

Estimating the reduction in US mortality if cigarettes were largely replaced by e-cigarettes

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ONLINE RESOURCE 7

Full output from PHIM

This gives the results from all the runs of PHIM as well as an explanation of it.

This file gives the full output from the Main Analysis, the Pessimistic Analysis and the four Sensitivity Analyses described in the paper.

Introduction

This file provides the full computer output for all the simulations. There are six sets of detailed output, the main analysis (MA), the pessimistic analysis (PA) and then four sets of sensitivity analyses. For the MA and PA there are two runs, one for males then one for females. The four sensitivity analyses start with the values for the MA and then vary one factor. In sensitivity analysis 1 the effective dose (F) is varied from the MA value of 0.05, using values 0.4 (as in the PA), 0, 0.1, 0.2 or 0.3. This produces 10 runs, with the results for females following those for males. In sensitivity analysis 2 the switching rates (X) are varied from the MA value of 5% to 0.01%, 2.5%, 10% (as in the PA), 7.5% or 15% giving 10 runs. In sensitivity analysis 3 the MA quitting rates (Q) are multiplied by 0.5 (as in the PA), 0.75, 1.25 or 1.5 giving 8 runs. In sensitivity analysis 4 the MA initialisation rates (I) are multiplied by 0.5, 0.75, 1.25 or 1.5 (as in the PA).

For each set of output, the first page (see pages numbered 8, 123, 214, 667, 1120 and 1483 for the six sets of output) starts by giving details of when the simulations were run, the person who ran them, the version of the PHIM software that was used, and the input and output files used, followed by a table of contents. Within each set, each run starts with a page giving the control file details, which is then followed by the transition probabilities, the tobacco history output generated from the P-component, and the results for the E-component, firstly for drop in deaths and then for years of life saved. Full details of the NULL smoking prevalences are only given for the MA results, for which each run has 47 pages with a final 20 pages at the end giving details of years of life saved. For all other analyses each run has 35 pages. For the MA, the total output consists of 115 pages.

Further explanation of the output is given below, followed by the full computer output. Before that, it should be noted that the terminology on the output varies somewhat from that in the main paper. Thus:

<u>Terminology in paper</u>	<u>Terminology on output</u>
Null Scenario	Reference Scenario or NULL Scenario
Alternative Scenario	Test Scenario or MRTP Scenario
TP	TTP
CC	Product 1, PR1 or CC
ECig	Product 2, PR2 or Ecig
Dual	Product 4, PR4 or Dual

Below we use the terminology on the output.

Control File Details

When running the software, there are 52 variable parameters, not all relevant to all runs. Explanation of some parameters which may not be self-evident is given below.

- 12-13 Age limits for risk estimation. These are the limits for the baseline population. As individuals exceed 79 years of age they drop out of the analysis. The results concerning deaths or years of life lost only relate to those aged 30-79 years.
- 14-17 Effective doses in the Reference scenario. Only product 1 is relevant here. Current CC smokers have a dose of 1 unit.

- 18-21 Effective doses in the Test scenario. Current CC smokers have a dose of 1 unit, current ECig users have a dose of F units, and dual users have the dose “FROMF2” which implies the average of the doses for products 1 and 2, i.e. $(1+F)/2$.
- 23 Number of MC simulations. MC stands for Monte Carlo. Here we only have one simulation for each sex.
- 25-32 Files used. Parameter 26 is not used.
- 33-37 Assumption sets used. See section 3 below. Parameter 37 is not used.
- 38 Output choice file. The file determining which outputs are to be produced.
- 39-46 Further details of output. The user has the option to include or not include various parts of the output.
- 47-48 Run number for P-component and Results file for E-component. This is only relevant if results are only to be output for one of the components, so is not relevant here.
- 49 Components required. PE implies that both P-component and E-component results are to be produced.
- 50 Results folder for P to be used in E-component. This is not relevant here.
- 51 Fixed age of starting product use. This is the assumed age of starting for individuals whose product use history starts as a current or former user.
- 52 Output absolute risk file? This is an option for additional output, which is not used here.

Transition probabilities (TPs)

For the MA, pages 10 and 11 show the monthly TPs for the NULL Scenario and pages 13 to 16 show the monthly TTPs for the Alternative (ECig) Scenario. On pages 12 and 17 the values of special factors are shown. These factors are applied in special cases, such as Factor 1a which doubles the probability of the transition from current ECigs (PR2) to current cigarette smokers (PR1) when the individual has smoked current cigarettes in the past. The same factors have been applied through the analysis, but have only been shown for the MA.

For the NULL Scenario there are three TPs (initiation, cessation and re-initiation), while for the ECig Scenario there are 15 TPs, three relating each to initiation, cessation and re-initiation and six to switching. The TPs may vary by grouped age and by time period since baseline. Note that, in order to match the Levy results, TPs relating to re-initiation and dual usage have been set to zero in these simulations.

Tobacco history output from the P-Component

For the MA, the tobacco history output from the P-Component is then shown by time of follow-up from baseline in 1990 by five year period (0, 5, 10 ... 50), and by age group (18-19, 20-24, 25-29 ... 75-79, and for all ages combined).

The output on pages 18 to 29 for the first run for the NULL scenario gives results for three smoking groups: Never Any, CC (i.e. current conventional cigarettes) and former (i.e. former conventional cigarettes). The output on pages 30 to 45 for the first run for the ECig Scenario gives results for five smoking groups: never any, three current use groups (cigarettes [CC], ECig, Dual) and former (i.e. not a current user, but formerly used one or both products).

For each group, the output shows the total numbers and percentages in each group. For current CC smokers it also shows the number and percentage who have previously quit, while for former smokers it also shows the mean years quit, and the number and percentage of short term quitters.

Note that for scenarios other than the MA, when showing the prevalences for the NULL scenario only the results for the final year are shown. This is because the prevalence for the NULL scenario varies only by sex, but not by set or sensitivity analysis.

Results for drops in death from the E-Component

The results for drops in death from the E-Component are shown for all four diseases combined and then for the four diseases separately, with estimates unadjusted for differential mortality in the ECig Scenario shown on the first five pages and adjusted estimates shown on the next five pages. Each of the 10 pages for a given run (pages 46-55 and 93-102 for females in the MA) is laid out similarly, with results for all years combined shown first and then results for individual years. The results relate to the age groups 30-79 combined. The output shows the total number of deaths from the disease (or four diseases combined), followed by the number attributed to tobacco in the NULL and ECig Scenarios. The output also shows the drop in deaths associated with the ECig Scenario (compared to the NULL Scenario), expressed as a number, and as a percentage, both of the total deaths and of the attributable deaths in the NULL Scenario. Finally, the output shows the total death rate from the disease (or four diseases combined), the rate of attributable deaths in each scenario and the drop in rates. Rates are expressed per million of population.

Results for years of life lost from the E-Component

The final 20 pages (pages 103 to 122 for the MA) provide the full computer output for years of life lost for males and females. Each page gives data on the estimated cumulative years of life lost in the Reference (Null) Scenario and in the particular ECig Scenario of interest, as well as the difference, the cumulative years of life saved. The results are shown for the four diseases separately and combined, separately for males and females. Tables 1, 3 and 5 relate to results unadjusted for deaths in the Test Scenario, while Tables 2, 4 and 6 give the corresponding adjusted results. Tables 1 and 2 give overall results for the whole follow-up period and for ages 30-79 combined. Tables 3 and 4 give results by year of follow-up for ages 30-79 years combined. Tables 5 and 6 give results for the whole follow-up period by 5 year age group.

These 20 pages of output are repeated for every separate pair of runs (male and female). Thus for sensitivity analyses 1 and 2 there are five sets for results taking up 100 pages, while for sensitivity analyses 3 and 4 there are four sets of results taking up 80 pages of output.

Results for PHIM for Run 1 (Main_Analysis.RTF)

System Date and Time: 20210223T100622
User: JohnS
SAS Version: 9.4
Project: Population Health Impact Model 7.3

The System is running in Test Mode

Maximum Upper Age for P Component = 79
Upper Age for ELL Calculations = 75
Report in E-component: Social Classes A and B combined
Description: Main Analysis for VeneBio on US
Assumption Files:
Options Control File: C:\VeneBio\OG_Test\US_Control_V_MA.CSV
TTP Test File: C:\VeneBio\OG_Test\TTP_Test_MA.csv
TTP Reference File: C:\VeneBio\OG_Test\TTP_Reference_V.csv
TTP Factor Test File: C:\VeneBio\OG_Test\TTP_FACTOR_Test.csv
TTP Factor Reference File: C:\VeneBio\OG_Test\TTP_FACTOR_Test.csv
TP Socioeconomic Groups: Not Used
Output Choices:C:\VeneBio\OG_Test\OUTC_MA.csv

Main Results will be sent to the folder C:\VeneBio\Main_Results\
Plots will be sent to the folder C:\VeneBio\Plot_Results\Plots_20210223T100622
Saved P, E and/or A Component results will be sent to the folder C:\VeneBio\SAVED\Saved_20210223T100622\

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Results for PHIM for Run 1 (Main_Analysis.RTF)

Control File Details for Run: 1

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Main_Analysis
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 1 (Main_Analysis.RTF)

TTP values for Run: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 1 (Main_Analysis.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 1 (Main_Analysis.RTF)

TTP Factors

Factor	TTP Affected	Relates to	Value	< or >	Years
1a	Current PR2 to Current PR1	Previous PR1 use	2	-	-
1b	Current PR3 to Current PR1	Previous PR1 use	2	-	-
1c	Current PR4 to Current PR1	Previous PR1 use	2	-	-
2a	Current PR1 to Former	Previously quit	2	-	-
2b	Current PR2 to Former	Previously quit	2	-	-
2c	Current PR3 to Former	Previously quit	2	-	-
2d	Current PR4 to Former	Previously quit	2	-	-
3a	Former to Current PR1	Time quit	2	<	2
3b	Former to Current PR2	Time quit	2	<	2
3c	Former to Current PR3	Time quit	2	<	2
3d	Former to Current PR4	Time quit	2	<	2
4a	Current PR2 to Current PR1	Time PR2 use	0	>	2
4b	Current PR2 to Current PR3	Time PR2 use	0	>	2
4c	Current PR2 to Current PR4	Time PR2 use	0	>	2
5a	Current PR3 to Current PR1	Time PR3 use	0	>	2
5b	Current PR3 to Current PR2	Time PR3 use	0	>	2
5c	Current PR3 to Current PR4	Time PR3 use	0	>	2
6a	Current PR4 to Current PR1	Time PR4 use	-	-	-
6b	Current PR4 to Current PR2	Time PR4 use	-	-	-
6c	Current PR4 to Current PR3	Time PR4 use	-	-	-
7a	Current PR1 to Current PR2	Time PR1 use	-	-	-
7b	Current PR1 to Current PR3	Time PR1 use	-	-	-
7c	Current PR1 to Current PR4	Time PR1 use	-	-	-

Results for PHIM for Run 1 (Main_Analysis.RTF)

TTP values for Run: 1, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.001921	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.002360	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000188	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000093	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000047	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.002944	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.004193	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000412	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000578	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000218	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.003449	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.004264	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.001965	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000671	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000332	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.003294	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.004442	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000059	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.001351	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000661	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.002198	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.003788	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000304	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000239	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000119	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Main_Analysis.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Main_Analysis.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Main_Analysis.RTF)

TTP Factors

Factor	TTP Affected	Relates to	Value	< or >	Years
1a	Current PR2 to Current PR1	Previous PR1 use	2	-	-
1b	Current PR3 to Current PR1	Previous PR1 use	2	-	-
1c	Current PR4 to Current PR1	Previous PR1 use	2	-	-
2a	Current PR1 to Former	Previously quit	2	-	-
2b	Current PR2 to Former	Previously quit	2	-	-
2c	Current PR3 to Former	Previously quit	2	-	-
2d	Current PR4 to Former	Previously quit	2	-	-
3a	Former to Current PR1	Time quit	2	<	2
3b	Former to Current PR2	Time quit	2	<	2
3c	Former to Current PR3	Time quit	2	<	2
3d	Former to Current PR4	Time quit	2	<	2
4a	Current PR2 to Current PR1	Time PR2 use	0	>	2
4b	Current PR2 to Current PR3	Time PR2 use	0	>	2
4c	Current PR2 to Current PR4	Time PR2 use	0	>	2
5a	Current PR3 to Current PR1	Time PR3 use	0	>	2
5b	Current PR3 to Current PR2	Time PR3 use	0	>	2
5c	Current PR3 to Current PR4	Time PR3 use	0	>	2
6a	Current PR4 to Current PR1	Time PR4 use	-	-	-
6b	Current PR4 to Current PR2	Time PR4 use	-	-	-
6c	Current PR4 to Current PR3	Time PR4 use	-	-	-
7a	Current PR1 to Current PR2	Time PR1 use	-	-	-
7b	Current PR1 to Current PR3	Time PR1 use	-	-	-
7c	Current PR1 to Current PR4	Time PR1 use	-	-	-

Results for PHIM for Run 1 (Main_Analysis.RTF)

Main Output for the Tobacco History for Run: 1, Simulation: 1, Scenario: NULL

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			M (Males)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Main_Analysis.RTF)

0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38379	41.59					
5	All Ages	CC	26792	29.03	0	0.00			
5	All Ages	Former	27119	29.38			15.09	1786	6.59
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2456	69.30					
5	18-19	CC	989	27.91	0	0.00			
5	18-19	Former	99	2.79			0.96	70	70.71
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5811	64.28					
5	20-24	CC	2706	29.93	0	0.00			
5	20-24	Former	523	5.79			2.70	162	30.98
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5473	55.76					
5	25-29	CC	3144	32.03	0	0.00			
5	25-29	Former	1199	12.21			5.30	123	10.26
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	5055	47.40					
5	30-34	CC	3816	35.78	0	0.00			
5	30-34	Former	1793	16.81			6.95	112	6.25
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4711	43.16					
5	35-39	CC	3760	34.44	0	0.00			
5	35-39	Former	2445	22.40			8.12	150	6.13
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	3197	32.33	0	0.00			
5	40-44	Former	2751	27.82			12.14	128	4.65
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	2701	31.21	0	0.00			
5	45-49	Former	3042	35.15			13.81	165	5.42
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	1968	30.21	0	0.00			
5	50-54	Former	2628	40.34			16.08	147	5.59
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	1466	26.77	0	0.00			
5	55-59	Former	2400	43.82			16.98	153	6.38
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Main_Analysis.RTF)

5	60-64	Never Any	1337	26.83					
5	60-64	CC	1155	23.18	0	0.00			
5	60-64	Former	2491	49.99			17.18	144	5.78
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	832	16.96	0	0.00			
5	65-69	Former	2904	59.20			20.40	208	7.16
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	610	13.90	0	0.00			
5	70-74	Former	2754	62.78			21.83	137	4.97
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	448	12.80	0	0.00			
5	75-79	Former	2090	59.73			23.12	87	4.16
Year of Follow-up: 2000, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39029	41.48					
10	All Ages	CC	25505	27.11	0	0.00			
10	All Ages	Former	29558	31.41			16.78	1706	5.77
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.		0	.
10	18-19	Former	0	.					
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4845	54.78					
10	20-24	CC	3091	34.95	0	0.00			
10	20-24	Former	909	10.28			3.29	273	30.03
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5316	58.81					
10	25-29	CC	2773	30.67	0	0.00			
10	25-29	Former	951	10.52			5.07	174	18.30
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5256	53.55					
10	30-34	CC	3060	31.17	0	0.00			
10	30-34	Former	1500	15.28			8.63	125	8.33
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4989	46.78					
10	35-39	CC	3629	34.03	0	0.00			
10	35-39	Former	2046	19.19			10.71	110	5.38
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4711	43.16					
10	40-44	CC	3416	31.29	0	0.00			
10	40-44	Former	2789	25.55			11.76	131	4.70
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	2816	28.48	0	0.00			
10	45-49	Former	3132	31.67			15.29	160	5.11
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	2237	25.85	0	0.00			
10	50-54	Former	3506	40.51			16.59	184	5.25
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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10	55-59	Never Any	1919	29.46					
10	55-59	CC	1538	23.61	0	0.00			
10	55-59	Former	3058	46.94			18.41	158	5.17
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	1611	29.41					
10	60-64	CC	1140	20.81	0	0.00			
10	60-64	Former	2726	49.77			19.59	122	4.48
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	1337	26.83					
10	65-69	CC	809	16.24	0	0.00			
10	65-69	Former	2837	56.93			19.73	124	4.37
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	1169	23.83					
10	70-74	CC	570	11.62	0	0.00			
10	70-74	Former	3166	64.55			23.50	80	2.53
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	1023	23.32					
10	75-79	CC	426	9.71	0	0.00			
10	75-79	Former	2938	66.97			25.29	65	2.21
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	37254	41.53					
15	All Ages	CC	21889	24.40	0	0.00			
15	All Ages	Former	30562	34.07			18.41	1493	4.89
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0	.					
15	18-19	CC	0	.	0	.			
15	18-19	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0	.					
15	20-24	CC	0	.	0	.			
15	20-24	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	4521	51.11					
15	25-29	CC	2890	32.67	0	0.00			
15	25-29	Former	1434	16.21			6.06	189	13.18
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	4999	55.30					
15	30-34	CC	2700	29.87	0	0.00			
15	30-34	Former	1341	14.83			7.70	161	12.01
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	5145	52.41					
15	35-39	CC	2789	28.41	0	0.00			
15	35-39	Former	1882	19.17			11.26	146	7.76
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4989	46.78					
15	40-44	CC	3202	30.03	0	0.00			
15	40-44	Former	2473	23.19			13.31	182	7.36
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4711	43.16					
15	45-49	CC	3012	27.59	0	0.00			
15	45-49	Former	3193	29.25			14.88	167	5.23
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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15	50-54	Never Any	3941	39.85					
15	50-54	CC	2432	24.59	0	0.00			
15	50-54	Former	3516	35.55			18.30	155	4.41
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	1928	22.28	0	0.00			
15	55-59	Former	3815	44.08			20.03	78	2.04
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	1202	18.45	0	0.00			
15	60-64	Former	3394	52.10			21.28	142	4.18
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	813	14.84	0	0.00			
15	65-69	Former	3053	55.74			22.18	121	3.96
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	543	10.90	0	0.00			
15	70-74	Former	3103	62.27			22.80	96	3.09
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	378	7.71	0	0.00			
15	75-79	Former	3358	68.46			27.00	56	1.67
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	35903	42.34					
20	All Ages	CC	17853	21.05	0	0.00			
20	All Ages	Former	31044	36.61			19.83	1550	4.99
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Former	0	.			.	0	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Former	0	.			.	0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Former	0	.			.	0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4390	49.63					
20	30-34	CC	2501	28.28	0	0.00			
20	30-34	Former	1954	22.09			8.61	240	12.28
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4948	54.73					
20	35-39	CC	2261	25.01	0	0.00			
20	35-39	Former	1831	20.25			9.87	174	9.50
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5145	52.41					
20	40-44	CC	2437	24.83	0	0.00			
20	40-44	Former	2234	22.76			13.99	167	7.48
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	45-49	Never Any	4989	46.78					
20	45-49	CC	2794	26.20	0	0.00			
20	45-49	Former	2881	27.02			16.01	148	5.14
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4711	43.16					
20	50-54	CC	2568	23.53	0	0.00			
20	50-54	Former	3637	33.32			17.69	169	4.65
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	2005	20.28	0	0.00			
20	55-59	Former	3943	39.87			20.98	188	4.77
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	1438	16.61	0	0.00			
20	60-64	Former	4305	49.74			22.38	221	5.13
Year of Follow-up: 2010, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	844	12.95	0	0.00			
20	65-69	Former	3752	57.59			23.99	116	3.09
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	602	10.99	0	0.00			
20	70-74	Former	3264	59.59			25.56	74	2.27
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	403	8.09	0	0.00			
20	75-79	Former	3243	65.08			26.69	53	1.63
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34539	43.27					
25	All Ages	CC	14583	18.27	0	0.00			
25	All Ages	Former	30695	38.46			21.97	1073	3.50
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4363	49.33					
25	35-39	CC	2079	23.50	0	0.00			
25	35-39	Former	2403	27.17			11.50	140	5.83
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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25	40-44	Never Any	4948	54.73					
25	40-44	CC	1988	21.99	0	0.00			
25	40-44	Former	2104	23.27			13.19	101	4.80
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5145	52.41					
25	45-49	CC	2186	22.27	0	0.00			
25	45-49	Former	2485	25.32			17.30	81	3.26
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4989	46.78					
25	50-54	CC	2518	23.61	0	0.00			
25	50-54	Former	3157	29.60			19.36	117	3.71
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4711	43.16					
25	55-59	CC	2129	19.50	0	0.00			
25	55-59	Former	4076	37.34			20.47	180	4.42
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	1565	15.83	0	0.00			
25	60-64	Former	4383	44.32			23.56	197	4.49
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	1017	11.75	0	0.00			
25	65-69	Former	4726	54.60			25.14	136	2.88
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	638	9.79	0	0.00			
25	70-74	Former	3958	60.75			27.59	75	1.89
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	463	8.45	0	0.00			
25	75-79	Former	3403	62.13			29.40	46	1.35
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	32928	44.29					
30	All Ages	CC	11664	15.69	0	0.00			
30	All Ages	Former	29748	40.02			24.06	964	3.24
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.		0	.
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			
30	20-24	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4363	49.33					
30	40-44	CC	1810	20.46	0	0.00			
30	40-44	Former	2672	30.21			15.03	113	4.23
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4948	54.73					
30	45-49	CC	1753	19.39	0	0.00			
30	45-49	Former	2339	25.87			16.60	68	2.91
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5145	52.41					
30	50-54	CC	1976	20.13	0	0.00			
30	50-54	Former	2695	27.46			20.69	108	4.01
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4989	46.78					
30	55-59	CC	2119	19.87	0	0.00			
30	55-59	Former	3556	33.35			21.84	166	4.67
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4711	43.16					
30	60-64	CC	1618	14.82	0	0.00			
30	60-64	Former	4587	42.02			22.85	203	4.43
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	1133	11.46	0	0.00			
30	65-69	Former	4815	48.69			26.19	150	3.12
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	70-74	Never Any	2912	33.65					
30	70-74	CC	769	8.89	0	0.00			
30	70-74	Former	4974	57.47			28.74	95	1.91
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	486	7.46	0	0.00			
30	75-79	Former	4110	63.09			31.46	61	1.48
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31009	45.72					
35	All Ages	CC	9033	13.32	0	0.00			
35	All Ages	Former	27783	40.96			25.88	811	2.92
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Main_Analysis.RTF)

35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Former	0	.			0	.	
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Former	0	.			0	.	
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Former	0	.			0	.	
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4363	49.33					
35	45-49	CC	1611	18.21	0	0.00			
35	45-49	Former	2871	32.46			18.79	66	2.30
Year of Follow-up: 2025, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4948	54.73					
35	50-54	CC	1590	17.59	0	0.00			
35	50-54	Former	2502	27.68			20.31	78	3.12
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5145	52.41					
35	55-59	CC	1654	16.85	0	0.00			
35	55-59	Former	3017	30.74			23.14	143	4.74
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4989	46.78					
35	60-64	CC	1665	15.61	0	0.00			
35	60-64	Former	4010	37.60			24.03	181	4.51
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4711	43.16					
35	65-69	CC	1116	10.22	0	0.00			
35	65-69	Former	5089	46.62			25.33	163	3.20
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	838	8.47	0	0.00			
35	70-74	Former	5110	51.67			29.52	105	2.05
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	559	6.46	0	0.00			
35	75-79	Former	5184	59.90			32.46	75	1.45
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28097	47.49					
40	All Ages	CC	6677	11.28	0	0.00			
40	All Ages	Former	24396	41.23			27.35	754	3.09
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	30-34	Never Any	0	.					
40	30-34	CC	0	.	0	.			
40	30-34	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any	0	.					
40	35-39	CC	0	.	0	.			
40	35-39	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any	0	.					
40	40-44	CC	0	.	0	.			
40	40-44	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any	0	.					
40	45-49	CC	0	.	0	.			
40	45-49	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any	4363	49.33					
40	50-54	CC	1474	16.66	0	0.00			
40	50-54	Former	3008	34.01			22.78	73	2.43
Year of Follow-up: 2030, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any	4948	54.73					
40	55-59	CC	1338	14.80	0	0.00			
40	55-59	Former	2754	30.46			23.16	111	4.03
Year of Follow-up: 2030, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any	5145	52.41					
40	60-64	CC	1258	12.82	0	0.00			
40	60-64	Former	3413	34.77			25.09	185	5.42
Year of Follow-up: 2030, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any	4989	46.78					
40	65-69	CC	1177	11.04	0	0.00			
40	65-69	Former	4498	42.18			26.11	178	3.96
Year of Follow-up: 2030, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any	4711	43.16					
40	70-74	CC	835	7.65	0	0.00			
40	70-74	Former	5370	49.19			28.84	113	2.10
Year of Follow-up: 2030, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any	3941	39.85					
40	75-79	CC	595	6.02	0	0.00			
40	75-79	Former	5353	54.13			33.05	94	1.76
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24156	49.02					
45	All Ages	CC	4673	9.48	0	0.00			
45	All Ages	Former	20452	41.50			28.77	524	2.56
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	55-59	Never Any	4363	49.33					
45	55-59	CC	1233	13.94	0	0.00			
45	55-59	Former	3249	36.73			25.87	94	2.89
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4948	54.73					
45	60-64	CC	1020	11.28	0	0.00			
45	60-64	Former	3072	33.98			25.45	128	4.17
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5145	52.41					
45	65-69	CC	923	9.40	0	0.00			
45	65-69	Former	3748	38.18			27.59	116	3.09
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4989	46.78					
45	70-74	CC	865	8.11	0	0.00			
45	70-74	Former	4810	45.11			29.23	111	2.31
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4711	43.16					
45	75-79	CC	632	5.79	0	0.00			
45	75-79	Former	5573	51.05			32.69	75	1.35
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19445	50.68					
50	All Ages	CC	3024	7.88	0	0.00			
50	All Ages	Former	15896	41.43			30.37	356	2.24
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Main_Analysis.RTF)

50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4363	49.33					
50	60-64	CC	934	10.56	0	0.00			
50	60-64	Former	3548	40.11			28.44	109	3.07
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4948	54.73					
50	65-69	CC	734	8.12	0	0.00			
50	65-69	Former	3358	37.15			28.04	94	2.80
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5145	52.41					
50	70-74	CC	688	7.01	0	0.00			
50	70-74	Former	3983	40.58			30.80	81	2.03
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4989	46.78					
50	75-79	CC	668	6.26	0	0.00			
50	75-79	Former	5007	46.95			32.97	72	1.44

Results for PHIM for Run 1 (Main_Analysis.RTF)

Main Output for the Tobacco History for Run: 1, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

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0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	11508	12.47	0	0.00			
5	All Ages	Ecig	15517	16.81					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26897	29.14			15.19	1705	6.34
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	320	9.03	0	0.00			
5	18-19	Ecig	659	18.59					
5	18-19	Dual	0	0.00					
5	18-19	Former	117	3.30			1.11	80	68.38
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	946	10.46	0	0.00			
5	20-24	Ecig	1826	20.20					
5	20-24	Dual	0	0.00					
5	20-24	Former	481	5.32			2.81	142	29.52
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	1942	19.78					
5	25-29	Dual	0	0.00					
5	25-29	Former	1148	11.70			5.43	115	10.02
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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5	30-34	Never Any	5065	47.50					
5	30-34	CC	1480	13.88	0	0.00			
5	30-34	Ecig	2319	21.75					
5	30-34	Dual	0	0.00					
5	30-34	Former	1800	16.88			6.94	106	5.89
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2275	20.84					
5	35-39	Dual	0	0.00					
5	35-39	Former	2421	22.18			8.20	114	4.71
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1894	19.15					
5	40-44	Dual	0	0.00					
5	40-44	Former	2774	28.05			12.06	130	4.69
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1562	18.05					
5	45-49	Dual	0	0.00					
5	45-49	Former	2945	34.03			14.20	148	5.03
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	1015	15.58					
5	50-54	Dual	0	0.00					
5	50-54	Former	2641	40.54			15.98	175	6.63
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	762	13.91					
5	55-59	Dual	0	0.00					
5	55-59	Former	2364	43.16			17.21	122	5.16
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	572	11.48					
5	60-64	Dual	0	0.00					
5	60-64	Former	2477	49.71			17.27	143	5.77
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	360	7.34					
5	65-69	Dual	0	0.00					
5	65-69	Former	2899	59.10			20.44	196	6.76
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	196	4.47					
5	70-74	Dual	0	0.00					
5	70-74	Former	2730	62.23			22.00	137	5.02
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	135	3.86					
5	75-79	Dual	0	0.00					
5	75-79	Former	2100	60.02			23.02	97	4.62
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	4843	5.15	0	0.00			
10	All Ages	Ecig	20724	22.03					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29348	31.19			16.84	1724	5.87
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	462	5.22	0	0.00			
10	20-24	Ecig	2544	28.76					
10	20-24	Dual	0	0.00					
10	20-24	Former	912	10.31			3.41	258	28.29
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	404	4.47	0	0.00			
10	25-29	Ecig	2359	26.10					
10	25-29	Dual	0	0.00					
10	25-29	Former	936	10.35			4.91	195	20.83
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	481	4.90	0	0.00			
10	30-34	Ecig	2608	26.57					
10	30-34	Dual	0	0.00					
10	30-34	Former	1451	14.78			8.66	118	8.13
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	2980	27.94					
10	35-39	Dual	0	0.00					
10	35-39	Former	2078	19.49			10.61	109	5.25
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	2857	26.17					
10	40-44	Dual	0	0.00					
10	40-44	Former	2768	25.36			11.82	124	4.48
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2312	23.38					
10	45-49	Dual	0	0.00					
10	45-49	Former	3152	31.87			15.25	163	5.17
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	1859	21.48					
10	50-54	Dual	0	0.00					
10	50-54	Former	3411	39.41			16.85	186	5.45
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1194	18.33					
10	55-59	Dual	0	0.00					

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10	55-59	Former	3039	46.65			18.50	146	4.80
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	1611	29.41					
10	60-64	CC	306	5.59	0	0.00			
10	60-64	Ecig	852	15.56					
10	60-64	Dual	0	0.00					
10	60-64	Former	2708	49.44			19.63	144	5.32
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	1337	26.83					
10	65-69	CC	244	4.90	0	0.00			
10	65-69	Ecig	603	12.10					
10	65-69	Dual	0	0.00					
10	65-69	Former	2799	56.17			19.95	120	4.29
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	1169	23.83					
10	70-74	CC	236	4.81	0	0.00			
10	70-74	Ecig	327	6.67					
10	70-74	Dual	0	0.00					
10	70-74	Former	3173	64.69			23.44	94	2.96
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	1023	23.32					
10	75-79	CC	214	4.88	0	0.00			
10	75-79	Ecig	229	5.22					
10	75-79	Dual	0	0.00					
10	75-79	Former	2921	66.58			25.38	67	2.29
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	37449	41.75					
15	All Ages	CC	1911	2.13	0	0.00			
15	All Ages	Ecig	20003	22.30					
15	All Ages	Dual	0	0.00					
15	All Ages	Former	30342	33.82			18.46	1574	5.19
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0	.					
15	18-19	CC	0	.	0	.			
15	18-19	Ecig	0	.					
15	18-19	Dual	0	.					
15	18-19	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0	.					
15	20-24	CC	0	.	0	.			
15	20-24	Ecig	0	.					
15	20-24	Dual	0	.					
15	20-24	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	4634	52.39					
15	25-29	CC	179	2.02	0	0.00			
15	25-29	Ecig	2661	30.08					
15	25-29	Dual	0	0.00					
15	25-29	Former	1371	15.50			6.32	174	12.69
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	5042	55.77					
15	30-34	CC	153	1.69	0	0.00			
15	30-34	Ecig	2479	27.42					
15	30-34	Dual	0	0.00					
15	30-34	Former	1366	15.11			7.38	171	12.52
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	5163	52.60					
15	35-39	CC	188	1.92	0	0.00			

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15	35-39	Ecig	2654	27.04					
15	35-39	Dual	0	0.00					
15	35-39	Former	1811	18.45			11.33	147	8.12
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	2948	27.64					
15	40-44	Dual	0	0.00					
15	40-44	Former	2488	23.33			13.32	199	8.00
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	2793	25.59					
15	45-49	Dual	0	0.00					
15	45-49	Former	3183	29.16			14.88	160	5.03
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	2180	22.04					
15	50-54	Dual	0	0.00					
15	50-54	Former	3555	35.95			18.19	154	4.33
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	1781	20.58					
15	55-59	Dual	0	0.00					
15	55-59	Former	3747	43.29			20.09	117	3.12
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	1100	16.88					
15	60-64	Dual	0	0.00					
15	60-64	Former	3353	51.47			21.47	156	4.65
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	705	12.87					
15	65-69	Dual	0	0.00					
15	65-69	Former	3037	55.45			22.19	118	3.89
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	441	8.85					
15	70-74	Dual	0	0.00					
15	70-74	Former	3076	61.73			22.89	112	3.64
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	261	5.32					
15	75-79	Dual	0	0.00					
15	75-79	Former	3355	68.40			27.01	66	1.97
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	738	0.87	0	0.00			
20	All Ages	Ecig	17076	20.14					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	30883	36.42			19.82	1518	4.92
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Main_Analysis.RTF)

20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	71	0.80	0	0.00			
20	30-34	Ecig	2376	26.86					
20	30-34	Dual	0	0.00					
20	30-34	Former	1890	21.37			8.72	230	12.17
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	59	0.65	0	0.00			
20	35-39	Ecig	2154	23.83					
20	35-39	Dual	0	0.00					
20	35-39	Former	1836	20.31			9.77	141	7.68
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2416	24.61					
20	40-44	Dual	0	0.00					
20	40-44	Former	2169	22.10			13.96	143	6.59
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	2619	24.56					
20	45-49	Dual	0	0.00					
20	45-49	Former	2959	27.75			15.74	171	5.78
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2490	22.81					
20	50-54	Dual	0	0.00					
20	50-54	Former	3615	33.12			17.75	174	4.81
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	1859	18.80					
20	55-59	Dual	0	0.00					
20	55-59	Former	4004	40.49			20.81	181	4.52
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1428	16.50					
20	60-64	Dual	0	0.00					
20	60-64	Former	4228	48.85			22.41	241	5.70
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	809	12.42					
20	65-69	Dual	0	0.00					
20	65-69	Former	3727	57.21			24.03	133	3.57
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	574	10.48					
20	70-74	Dual	0	0.00					
20	70-74	Former	3223	58.85			25.75	61	1.89
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	351	7.04					
20	75-79	Dual	0	0.00					
20	75-79	Former	3232	64.86			26.66	43	1.33
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	289	0.36	0	0.00			
25	All Ages	Ecig	14107	17.67					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	30674	38.43			21.87	1088	3.55
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	28	0.32	0	0.00			
25	35-39	Ecig	1990	22.50					
25	35-39	Dual	0	0.00					
25	35-39	Former	2338	26.43			11.53	142	6.07
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	20	0.22	0	0.00			
25	40-44	Ecig	1897	20.98					
25	40-44	Dual	0	0.00					

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25	40-44	Former	2132	23.58			13.01	112	5.25
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5163	52.60					
25	45-49	CC	29	0.30	0	0.00			
25	45-49	Ecig	2195	22.36					
25	45-49	Dual	0	0.00					
25	45-49	Former	2429	24.75			17.18	81	3.33
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4997	46.86					
25	50-54	CC	37	0.35	0	0.00			
25	50-54	Ecig	2387	22.38					
25	50-54	Dual	0	0.00					
25	50-54	Former	3243	30.41			19.10	130	4.01
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4724	43.28					
25	55-59	CC	33	0.30	0	0.00			
25	55-59	Ecig	2103	19.27					
25	55-59	Dual	0	0.00					
25	55-59	Former	4056	37.16			20.50	162	3.99
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	28	0.28	0	0.00			
25	60-64	Ecig	1443	14.59					
25	60-64	Dual	0	0.00					
25	60-64	Former	4477	45.27			23.28	205	4.58
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	43	0.50	0	0.00			
25	65-69	Ecig	1019	11.77					
25	65-69	Dual	0	0.00					
25	65-69	Former	4681	54.08			24.99	134	2.86
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	35	0.54	0	0.00			
25	70-74	Ecig	616	9.46					
25	70-74	Dual	0	0.00					
25	70-74	Former	3945	60.55			27.55	70	1.77
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	36	0.66	0	0.00			
25	75-79	Ecig	457	8.34					
25	75-79	Dual	0	0.00					
25	75-79	Former	3373	61.58			29.48	52	1.54
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	33136	44.57					
30	All Ages	CC	100	0.13	0	0.00			
30	All Ages	Ecig	11358	15.28					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	29746	40.01			23.97	918	3.09
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	12	0.14	0	0.00			
30	40-44	Ecig	1743	19.71					
30	40-44	Dual	0	0.00					
30	40-44	Former	2601	29.41			15.05	107	4.11
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	5	0.06	0	0.00			
30	45-49	Ecig	1690	18.69					
30	45-49	Dual	0	0.00					
30	45-49	Former	2354	26.04			16.54	63	2.68
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	2021	20.59					
30	50-54	Dual	0	0.00					
30	50-54	Former	2623	26.72			20.66	99	3.77
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	2002	18.77					
30	55-59	Dual	0	0.00					
30	55-59	Former	3647	34.20			21.65	157	4.30
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	1614	14.79					
30	60-64	Dual	0	0.00					
30	60-64	Former	4568	41.85			22.87	203	4.44
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	1039	10.51					
30	65-69	Dual	0	0.00					
30	65-69	Former	4896	49.51			26.05	145	2.96
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	770	8.90					
30	70-74	Dual	0	0.00					
30	70-74	Former	4955	57.25			28.45	93	1.88
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	479	7.35					
30	75-79	Dual	0	0.00					
30	75-79	Former	4102	62.96			31.39	51	1.24
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	38	0.06	0	0.00			
35	All Ages	Ecig	8864	13.07					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	27706	40.85			25.87	785	2.83
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	7	0.08	0	0.00			
35	45-49	Ecig	1541	17.42					
35	45-49	Dual	0	0.00					
35	45-49	Former	2808	31.75			18.76	60	2.14
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	3	0.03	0	0.00			
35	50-54	Ecig	1554	17.19					
35	50-54	Dual	0	0.00					
35	50-54	Former	2492	27.57			20.44	75	3.01
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1664	16.95					
35	55-59	Dual	0	0.00					
35	55-59	Former	2989	30.45			22.76	155	5.19
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	1532	14.37					
35	60-64	Dual	0	0.00					
35	60-64	Former	4126	38.69			23.79	186	4.51
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	1169	10.71					
35	65-69	Dual	0	0.00					
35	65-69	Former	5018	45.97			25.57	158	3.15
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	811	8.20					
35	70-74	Dual	0	0.00					
35	70-74	Former	5132	51.90			29.73	79	1.54
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	593	6.85					
35	75-79	Dual	0	0.00					
35	75-79	Former	5141	59.40			32.31	72	1.40
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	15	0.03	0	0.00			
40	All Ages	Ecig	6535	11.04					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	24315	41.09			27.43	691	2.84
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 1 (Main_Analysis.RTF)

40	25-29	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	30-34	Never Any	0	.					
40	30-34	CC	0	.	0	.			
40	30-34	Ecig	0	.					
40	30-34	Dual	0	.					
40	30-34	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any	0	.					
40	35-39	CC	0	.	0	.			
40	35-39	Ecig	0	.					
40	35-39	Dual	0	.					
40	35-39	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any	0	.					
40	40-44	CC	0	.	0	.			
40	40-44	Ecig	0	.					
40	40-44	Dual	0	.					
40	40-44	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any	0	.					
40	45-49	CC	0	.	0	.			
40	45-49	Ecig	0	.					
40	45-49	Dual	0	.					
40	45-49	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any	4489	50.75					
40	50-54	CC	3	0.03	0	0.00			
40	50-54	Ecig	1392	15.74					
40	50-54	Dual	0	0.00					
40	50-54	Former	2961	33.48			22.61	80	2.70
Year of Follow-up: 2030, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any	4991	55.21					
40	55-59	CC	2	0.02	0	0.00			
40	55-59	Ecig	1291	14.28					
40	55-59	Dual	0	0.00					
40	55-59	Former	2756	30.49			23.19	114	4.14
Year of Follow-up: 2030, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any	5163	52.60					
40	60-64	CC	0	0.00	0	0.00			
40	60-64	Ecig	1238	12.61					
40	60-64	Dual	0	0.00					
40	60-64	Former	3415	34.79			24.53	183	5.36
Year of Follow-up: 2030, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any	4997	46.86					
40	65-69	CC	4	0.04	0	0.00			
40	65-69	Ecig	1119	10.49					
40	65-69	Dual	0	0.00					
40	65-69	Former	4544	42.61			26.35	136	2.99
Year of Follow-up: 2030, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any	4724	43.28					
40	70-74	CC	3	0.03	0	0.00			
40	70-74	Ecig	880	8.06					
40	70-74	Dual	0	0.00					
40	70-74	Former	5309	48.64			29.01	95	1.79
Year of Follow-up: 2030, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any	3941	39.85					
40	75-79	CC	3	0.03	0	0.00			

Results for PHIM for Run 1 (Main_Analysis.RTF)

40	75-79	Ecig	615	6.22					
40	75-79	Dual	0	0.00					
40	75-79	Former	5330	53.90			33.51	83	1.56
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	6	0.01	0	0.00			
45	All Ages	Ecig	4578	9.29					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	20333	41.26			28.82	538	2.65
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Main_Analysis.RTF)

45	55-59	Never Any	4489	50.75					
45	55-59	CC	2	0.02	0	0.00			
45	55-59	Ecig	1171	13.24					
45	55-59	Dual	0	0.00					
45	55-59	Former	3183	35.99			25.82	100	3.14
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	1020	11.28					
45	60-64	Dual	0	0.00					
45	60-64	Former	3029	33.51			25.81	129	4.26
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	902	9.19					
45	65-69	Dual	0	0.00					
45	65-69	Former	3751	38.21			27.09	106	2.83
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	850	7.97					
45	70-74	Dual	0	0.00					
45	70-74	Former	4816	45.16			29.70	104	2.16
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	635	5.82					
45	75-79	Dual	0	0.00					
45	75-79	Former	5554	50.88			32.60	99	1.78
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	2868	7.48					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	15856	41.33			30.34	408	2.57
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 1 (Main_Analysis.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	865	9.78					
50	60-64	Dual	0	0.00					
50	60-64	Former	3491	39.47			28.27	129	3.70
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	705	7.80					
50	65-69	Dual	0	0.00					
50	65-69	Former	3344	36.99			28.11	120	3.59
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	665	6.77					
50	70-74	Dual	0	0.00					
50	70-74	Former	3988	40.63			30.31	80	2.01
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	633	5.94					
50	75-79	Dual	0	0.00					
50	75-79	Former	5033	47.20			33.29	79	1.57

Results for PHIM for Run 1 (Main_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	2984679.112	1524711	11.596	33.812	3806.31	1305.37	864.000	441.371

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308577	122014.015	120877.258	1136.757	0.368	0.932	4729.73	1870.18	1852.75	17.424
1993	311713	122810.618	120675.272	2135.346	0.685	1.739	4692.62	1848.83	1816.68	32.146
1994	305700	119925.592	116642.213	3283.379	1.074	2.738	4516.19	1771.69	1723.19	48.506
1995	303225	117896.496	113270.222	4626.275	1.526	3.924	4393.80	1708.35	1641.31	67.036
1996	299559	115698.645	109592.838	6105.807	2.038	5.277	4273.16	1650.42	1563.32	87.098
1997	294226	113359.847	105764.237	7595.609	2.582	6.700	4128.67	1590.70	1484.12	106.584
1998	289258	111444.212	102354.614	9089.598	3.142	8.156	3992.19	1538.10	1412.65	125.450
1999	311002	114877.722	102717.729	12159.99	3.910	10.585	4224.60	1560.48	1395.30	165.179
2000	303786	112379.704	98503.172	13876.53	4.568	12.348	4066.21	1504.22	1318.48	185.739
2001	296294	110024.943	94313.120	15711.82	5.303	14.280	3914.28	1453.52	1245.95	207.566
2002	291898	108289.173	90517.550	17771.62	6.088	16.411	3813.00	1414.56	1182.41	232.147
2003	285865	106539.023	86946.352	19592.67	6.854	18.390	3695.36	1377.22	1123.95	253.273
2004	274177	103037.251	82110.840	20926.41	7.632	20.310	3506.10	1317.61	1050.01	267.601
2005	272379	103044.562	80197.351	22847.21	8.388	22.172	3442.69	1302.41	1013.64	288.773
2006	264118	99672.555	75189.882	24482.67	9.270	24.563	3307.76	1248.28	941.663	306.616
2007	258419	97839.152	71981.795	25857.36	10.006	26.428	3203.20	1212.75	892.240	320.511
2008	259461	98075.852	70477.901	27597.95	10.637	28.139	3180.09	1202.07	863.815	338.255
2009	253907	95617.338	66805.356	28811.98	11.347	30.133	3075.31	1158.11	809.144	348.970
2010	251878	94607.988	64431.426	30176.56	11.981	31.896	3013.72	1131.98	770.922	361.062
2011	251779	93633.119	61788.680	31844.44	12.648	34.010	2982.76	1109.25	731.996	377.253
2012	252643	92775.175	59296.371	33478.80	13.251	36.086	2960.61	1087.19	694.867	392.323
2013	256175	92345.780	57192.739	35153.04	13.722	38.067	2967.76	1069.82	662.572	407.244
2014	257393	91379.215	54826.416	36552.80	14.201	40.001	2947.05	1046.26	627.741	418.515
2015	259782	90750.242	52936.177	37814.07	14.556	41.668	3346.10	1168.90	681.840	487.061
2016	261453	88811.996	49699.461	39112.53	14.960	44.040	3336.15	1133.24	634.167	499.078
2017	263685	87325.126	47066.158	40258.97	15.268	46.102	3333.85	1104.08	595.072	509.007
2018	258714	87612.144	46315.614	41296.53	15.962	47.136	3240.73	1097.46	580.163	517.293
2019	261438	87797.760	44988.643	42809.12	16.374	48.759	3242.99	1089.08	558.059	531.023
2020	262288	87221.042	43536.345	43684.70	16.655	50.085	3715.29	1235.48	616.689	618.790
2021	255079	82001.292	38768.306	43232.99	16.949	52.722	3587.82	1153.39	545.296	608.094
2022	257097	81915.977	37292.841	44623.14	17.357	54.474	3588.53	1143.37	520.530	622.845
2023	259080	81810.810	35853.657	45957.15	17.739	56.175	3586.88	1132.64	496.383	636.262
2024	260719	81528.303	34430.663	47097.64	18.065	57.768	3579.65	1119.38	472.731	646.647
2025	257308	79599.213	32763.035	46836.18	18.202	58.840	4112.08	1272.09	523.591	748.496
2026	251528	75082.462	29110.480	45971.98	18.277	61.229	4003.24	1194.99	463.313	731.675
2027	250988	74444.425	27620.624	46823.80	18.656	62.898	3976.53	1179.46	437.608	741.853
2028	250285	73699.585	26060.257	47639.33	19.034	64.640	3945.35	1161.76	410.800	750.960
2029	249525	72819.703	24567.072	48252.63	19.338	66.263	3910.99	1141.36	385.058	756.299
2030	240528	69309.277	22886.854	46422.42	19.300	66.979	4504.36	1297.95	428.600	869.349
2031	235442	65433.368	20269.324	45164.04	19.183	69.023	4397.65	1222.18	378.596	843.586
2032	234017	64643.552	19038.140	45605.41	19.488	70.549	4356.12	1203.31	354.386	848.923
2033	232559	63793.514	17876.751	45916.76	19.744	71.977	4310.93	1182.54	331.380	851.156
2034	230963	63032.151	16784.296	46247.86	20.024	73.372	4260.75	1162.80	309.632	853.168
2035	215822	57653.301	15283.522	42369.78	19.632	73.491	4924.38	1315.47	348.723	966.748
2036	208183	52988.733	12794.436	40194.30	19.307	75.854	4748.94	1208.75	291.859	916.887
2037	205491	52026.921	11850.994	40175.93	19.551	77.221	4682.40	1185.50	270.041	915.462
2038	202834	50943.211	10923.876	40019.34	19.730	78.557	4612.18	1158.38	248.395	909.988
2039	200251	50085.991	10139.935	39946.06	19.948	79.755	4538.65	1135.19	229.820	905.371

Results for PHIM for Run 1 (Main_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	3065988	2244988.113	1722967.276	522020.8	17.026	23.253	887.537	649.875	498.762	151.114

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	0.000	
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77987	62366.766	62237.572	129.194	0.166	0.207	1195.35	955.930	953.949	1.980
1993	78542	62652.888	62398.514	254.374	0.324	0.406	1182.39	943.195	939.365	3.829
1994	77437	61565.227	61163.821	401.406	0.518	0.652	1144.00	909.520	903.590	5.930
1995	76904	60851.961	60267.833	584.128	0.760	0.960	1114.36	881.759	873.295	8.464
1996	76232	60122.922	59308.518	814.404	1.068	1.355	1087.44	857.643	846.026	11.617
1997	75473	59237.155	58175.080	1062.074	1.407	1.793	1059.06	831.234	816.331	14.903
1998	75381	58906.696	57537.293	1369.403	1.817	2.325	1040.37	813.001	794.101	18.900
1999	73159	56930.073	55258.820	1671.253	2.284	2.936	993.781	773.329	750.627	22.702
2000	73784	57137.121	55072.463	2064.658	2.798	3.614	987.608	764.787	737.152	27.636
2001	73294	56481.726	53973.185	2508.541	3.423	4.441	968.273	746.169	713.030	33.140
2002	72442	55588.365	52613.222	2975.143	4.107	5.352	946.293	726.138	687.274	38.864
2003	71942	54945.856	51454.115	3491.742	4.854	6.355	929.989	710.281	665.143	45.137
2004	71301	54203.126	50142.148	4060.977	5.696	7.492	911.778	693.135	641.204	51.931
2005	70964	53744.603	49094.615	4649.988	6.553	8.652	896.937	679.296	620.523	58.773
2006	69658	52535.572	47267.564	5268.008	7.563	10.028	872.383	657.945	591.969	65.975
2007	68565	51492.124	45613.004	5879.120	8.575	11.418	849.888	638.264	565.390	72.874
2008	68226	51030.736	44410.892	6619.843	9.703	12.972	836.215	625.460	544.324	81.136
2009	67509	50276.199	42915.597	7360.602	10.903	14.640	817.667	608.943	519.792	89.151
2010	67196	49840.933	41737.184	8103.749	12.060	16.259	804.000	596.347	499.385	96.961
2011	66506	49072.841	40150.989	8921.852	13.415	18.181	787.880	581.354	475.659	105.695
2012	66155	48539.512	38739.555	9799.957	14.814	20.190	775.240	568.812	453.971	114.841
2013	65333	47675.741	37094.574	10581.17	16.196	22.194	756.876	552.318	429.737	122.582
2014	65033	47194.534	35798.099	11396.44	17.524	24.148	744.602	540.359	409.874	130.485
2015	64145	46305.842	34200.531	12105.31	18.872	26.142	826.215	596.439	440.517	155.922
2016	61618	44208.867	31690.376	12518.49	20.316	28.317	786.248	564.107	404.371	159.736
2017	59897	42702.624	29702.634	12999.99	21.704	30.443	757.297	539.903	375.540	164.363
2018	62468	44321.202	29714.738	14606.46	23.382	32.956	782.490	555.181	372.216	182.965
2019	63045	44493.088	28815.278	15677.81	24.868	35.237	782.035	551.912	357.437	194.474
2020	63466	44529.551	27852.542	16677.01	26.277	37.452	898.991	630.757	394.529	236.228
2021	57113	39852.556	23958.784	15893.77	27.829	39.881	803.323	560.546	336.992	223.554
2022	57440	39853.685	22965.786	16887.90	29.401	42.375	801.745	556.274	320.554	235.720
2023	57738	39847.050	21980.631	17866.42	30.944	44.837	799.366	551.670	304.315	247.355
2024	57942	39726.010	20989.883	18736.13	32.336	47.163	795.539	545.435	288.190	257.246
2025	57521	39207.348	19886.366	19320.98	33.589	49.279	919.257	626.579	317.807	308.772
2026	51428	34803.960	16841.985	17961.97	34.927	51.609	818.510	553.929	268.052	285.877
2027	51172	34484.595	15859.227	18625.37	36.398	54.011	810.740	546.357	251.266	295.091
2028	50870	34100.638	14849.719	19250.92	37.843	56.453	801.884	537.544	234.083	303.461
2029	50540	33669.838	13893.199	19776.64	39.131	58.737	792.146	527.732	217.758	309.974
2030	49109	32557.688	12861.081	19696.61	40.108	60.498	919.662	609.705	240.848	368.857
2031	43585	28646.393	10735.554	17910.84	41.094	62.524	814.096	535.065	200.521	334.543
2032	43163	28227.160	9993.007	18234.15	42.245	64.598	803.454	525.435	186.015	339.420
2033	42725	27786.623	9298.038	18488.58	43.273	66.538	791.996	515.079	172.357	342.722
2034	42256	27348.299	8653.437	18694.86	44.242	68.358	779.523	504.514	159.636	344.878
2035	39748	25570.077	7820.113	17749.96	44.656	69.417	906.933	583.430	178.431	404.999
2036	34030	21717.319	6135.387	15581.93	45.789	71.749	776.269	495.402	139.957	355.445
2037	33454	21256.024	5642.911	15613.11	46.671	73.453	762.289	484.347	128.581	355.766
2038	32883	20747.175	5168.957	15578.22	47.374	75.086	747.720	471.764	117.535	354.229
2039	32325	20327.688	4776.433	15551.25	48.109	76.503	732.644	460.724	108.257	352.467

Results for PHIM for Run 1 (Main_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	6360041	1098877.421	515692.894	583184.5	9.170	53.071	1841.09	318.101	149.282	168.819

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164548	36137.488	35292.956	844.532	0.513	2.337	2522.12	553.899	540.955	12.945
1993	164362	35599.588	34035.919	1563.668	0.951	4.392	2474.35	535.926	512.387	23.540
1994	159866	34336.757	31950.205	2386.552	1.493	6.950	2361.75	507.267	472.009	35.257
1995	158083	33455.759	30119.059	3336.700	2.111	9.973	2290.66	484.782	436.432	48.350
1996	154875	32193.824	27848.795	4345.029	2.806	13.496	2209.26	459.239	397.258	61.981
1997	149970	30665.509	25343.155	5322.354	3.549	17.356	2104.43	430.308	355.623	74.685
1998	145407	29188.430	22951.010	6237.421	4.290	21.369	2006.83	402.844	316.758	86.086
1999	165952	33375.386	24696.433	8678.953	5.230	26.004	2254.27	453.366	335.473	117.894
2000	160260	32024.754	22305.964	9718.790	6.064	30.348	2145.10	428.655	298.568	130.087
2001	154444	30682.393	19884.180	10798.21	6.992	35.194	2040.33	405.339	262.686	142.653
2002	151887	30218.370	18154.596	12063.77	7.943	39.922	1984.06	394.736	237.149	157.586
2003	146733	29175.202	16178.320	12996.88	8.858	44.548	1896.81	377.146	209.136	168.010
2004	138381	27488.687	14008.217	13480.47	9.742	49.040	1769.58	351.518	179.133	172.385
2005	135881	27017.439	12666.767	14350.67	10.561	53.116	1717.44	341.482	160.099	181.383
2006	131922	26231.435	11140.901	15090.53	11.439	57.528	1652.16	328.517	139.526	188.991
2007	126502	25103.049	9701.108	15401.94	12.175	61.355	1568.04	311.161	120.249	190.913
2008	125859	24621.740	8736.544	15885.20	12.621	64.517	1542.60	301.777	107.080	194.698
2009	122428	23741.177	7701.208	16039.97	13.102	67.562	1482.84	287.552	93.277	194.276
2010	120537	23189.160	6895.061	16294.10	13.518	70.266	1442.22	277.458	82.499	194.959
2011	120221	22786.927	6145.166	16641.76	13.843	73.032	1424.23	269.951	72.800	197.151
2012	120927	22485.295	5535.829	16949.47	14.016	75.380	1417.09	263.495	64.872	198.623
2013	122648	22251.884	5023.153	17228.73	14.047	77.426	1420.86	257.786	58.193	199.593
2014	123229	21894.593	4537.468	17357.12	14.085	79.276	1410.92	250.685	51.952	198.732
2015	123774	21471.109	4115.852	17355.26	14.022	80.831	1594.26	276.557	53.014	223.543
2016	126218	21411.568	3741.021	17670.55	14.000	82.528	1610.55	273.213	47.736	225.477
2017	128265	21169.399	3404.678	17764.72	13.850	83.917	1621.69	267.651	43.046	224.605
2018	121429	19830.576	2905.328	16925.25	13.938	85.349	1521.05	248.404	36.393	212.011
2019	121832	19431.014	2647.024	16783.99	13.776	86.377	1511.26	241.031	32.835	208.196
2020	120811	18532.612	2364.275	16168.34	13.383	87.243	1711.27	262.513	33.490	229.023
2021	119407	18234.128	2129.607	16104.52	13.487	88.321	1679.51	256.472	29.954	226.518
2022	119438	17812.559	1932.519	15880.04	13.296	89.151	1667.10	248.626	26.974	221.652
2023	119445	17361.668	1753.701	15607.97	13.067	89.899	1653.68	240.367	24.279	216.087
2024	119305	16929.676	1612.037	15317.64	12.839	90.478	1638.05	232.443	22.133	210.310
2025	115685	15501.666	1409.242	14092.42	12.182	90.909	1848.78	247.735	22.521	225.213
2026	115073	15523.814	1323.705	14200.11	12.340	91.473	1831.46	247.072	21.068	226.004
2027	113989	15073.070	1226.503	13846.57	12.147	91.863	1805.98	238.810	19.432	219.378
2028	112855	14636.710	1129.785	13506.92	11.968	92.281	1778.98	230.725	17.809	212.916
2029	111718	14180.166	1049.525	13130.64	11.753	92.599	1751.04	222.256	16.450	205.806
2030	104851	12111.772	874.312	11237.46	10.718	92.781	1963.54	226.816	16.373	210.443
2031	105289	12417.367	868.428	11548.94	10.969	93.006	1966.62	231.935	16.221	215.714
2032	103879	12054.064	816.882	11237.18	10.818	93.223	1933.67	224.381	15.206	209.175
2033	102485	11672.389	761.751	10910.64	10.646	93.474	1899.76	216.370	14.121	202.250
2034	101070	11365.762	724.458	10641.30	10.529	93.626	1864.51	209.673	13.365	196.308
2035	90820	8580.360	535.436	8044.924	8.858	93.760	2072.23	195.777	12.217	183.560
2036	92117	8948.841	542.755	8406.086	9.125	93.935	2101.31	204.135	12.381	191.754
2037	90327	8624.570	517.892	8106.678	8.975	93.995	2058.21	196.522	11.801	184.721
2038	88590	8315.017	486.985	7828.032	8.836	94.143	2014.42	189.073	11.073	177.999
2039	86921	8001.132	459.442	7541.690	8.676	94.258	1970.05	181.344	10.413	170.931

Results for PHIM for Run 1 (Main_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1489699	149918.462	69563.177	80355.29	5.394	53.599	431.236	43.398	20.137	23.261

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.504	105.068	0.327	2.359	492.014	68.262	66.652	1.610
1993	32896	4462.473	4263.946	198.527	0.603	4.449	495.226	67.179	64.191	2.989
1994	33323	4499.513	4186.127	313.387	0.940	6.965	492.290	66.473	61.843	4.630
1995	33569	4472.774	4028.406	444.368	1.324	9.935	486.422	64.812	58.373	6.439
1996	33870	4406.878	3817.675	589.204	1.740	13.370	483.150	62.863	54.458	8.405
1997	33516	4288.158	3551.996	736.162	2.196	17.167	470.307	60.173	49.843	10.330
1998	32795	4120.148	3249.742	870.406	2.654	21.126	452.620	56.864	44.851	12.013
1999	33375	3982.443	2978.317	1004.125	3.009	25.214	453.361	54.097	40.457	13.640
2000	33459	4021.411	2841.047	1180.365	3.528	29.352	447.853	53.827	38.028	15.799
2001	32275	3848.092	2549.160	1298.932	4.025	33.755	426.379	50.836	33.676	17.160
2002	31586	3783.081	2345.597	1437.484	4.551	37.998	412.601	49.418	30.640	18.778
2003	30985	3754.415	2163.500	1590.915	5.134	42.375	400.541	48.533	27.967	20.566
2004	29884	3666.274	1959.474	1706.801	5.711	46.554	382.149	46.883	25.057	21.826
2005	28708	3589.688	1772.555	1817.134	6.330	50.621	362.850	45.371	22.404	22.967
2006	28188	3596.985	1628.628	1968.356	6.983	54.722	353.021	45.048	20.397	24.651
2007	28026	3560.798	1480.452	2080.346	7.423	58.424	347.392	44.137	18.351	25.787
2008	27128	3417.001	1304.470	2112.532	7.787	61.824	332.495	41.881	15.988	25.892
2009	27068	3394.390	1189.173	2205.216	8.147	64.967	327.847	41.113	14.403	26.709
2010	26911	3340.137	1078.162	2261.975	8.405	67.721	321.990	39.965	12.900	27.065
2011	26959	3285.435	973.719	2311.716	8.575	70.363	319.377	38.922	11.535	27.386
2012	27057	3259.209	880.447	2378.763	8.792	72.986	317.068	38.193	10.318	27.876
2013	27904	3274.703	810.288	2464.414	8.832	75.256	323.265	37.937	9.387	28.550
2014	28792	3298.083	745.491	2552.592	8.866	77.396	329.657	37.762	8.536	29.226
2015	29560	3244.406	677.792	2566.614	8.683	79.109	380.745	41.789	8.730	33.059
2016	30513	3314.836	634.348	2680.489	8.785	80.863	389.347	42.297	8.094	34.203
2017	31416	3333.314	585.609	2747.705	8.746	82.432	397.202	42.144	7.404	34.740
2018	29348	2925.242	476.835	2448.407	8.343	83.699	367.626	36.642	5.973	30.669
2019	29598	2864.628	433.082	2431.546	8.215	84.882	367.149	35.534	5.372	30.162
2020	29592	2730.366	384.634	2345.732	7.927	85.913	419.174	38.675	5.448	33.227
2021	30097	2647.911	346.581	2301.329	7.646	86.911	423.328	37.244	4.875	32.369
2022	30304	2586.165	313.384	2272.780	7.500	87.882	422.974	36.097	4.374	31.723
2023	30505	2517.960	283.847	2234.113	7.324	88.727	422.337	34.860	3.930	30.931
2024	30661	2454.161	259.791	2194.370	7.157	89.414	420.968	33.695	3.567	30.129
2025	30254	2275.364	227.321	2048.043	6.770	90.009	483.488	36.363	3.633	32.730
2026	30685	2183.166	205.664	1977.502	6.444	90.580	488.380	34.747	3.273	31.473
2027	30561	2112.345	188.826	1923.519	6.294	91.061	484.196	33.467	2.992	30.475
2028	30412	2046.677	173.460	1873.217	6.160	91.525	479.392	32.263	2.734	29.528
2029	30254	1977.671	159.798	1817.874	6.009	91.920	474.195	30.997	2.505	28.493
2030	29330	1744.457	135.628	1608.829	5.485	92.225	549.260	32.668	2.540	30.128
2031	28976	1653.738	123.967	1529.770	5.279	92.504	541.223	30.889	2.315	28.573
2032	28724	1603.120	114.929	1488.191	5.181	92.831	534.690	29.841	2.139	27.702
2033	28464	1548.245	106.814	1441.431	5.064	93.101	527.627	28.700	1.980	26.720
2034	28178	1511.985	101.001	1410.983	5.007	93.320	519.826	27.893	1.863	26.029
2035	26737	1239.866	80.697	1159.168	4.335	93.491	610.065	28.290	1.841	26.449
2036	25591	1182.522	74.571	1107.951	4.329	93.694	583.762	26.975	1.701	25.274
2037	25143	1134.483	70.737	1063.746	4.231	93.765	572.916	25.851	1.612	24.239
2038	24693	1093.537	66.302	1027.235	4.160	93.937	561.491	24.866	1.508	23.358
2039	24247	1047.905	62.007	985.898	4.066	94.083	549.553	23.751	1.405	22.345

Results for PHIM for Run 1 (Main_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL		Ecig		%Drop		NULL		Ecig	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	676455.765	339150.8	15.187	33.394	646.447	293.996	195.819	98.177

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL		Ecig		%Drop		NULL		Ecig	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.226	57.963	0.171	0.304	520.248	292.085	291.196	0.888
1993	35913	20095.670	19976.893	118.777	0.331	0.591	540.645	302.526	300.738	1.788
1994	35074	19524.095	19342.060	182.034	0.519	0.932	518.158	288.435	285.746	2.689
1995	34669	19116.002	18854.923	261.079	0.753	1.366	502.362	276.995	273.212	3.783
1996	34582	18975.021	18617.851	357.170	1.033	1.882	493.306	270.675	265.580	5.095
1997	35267	19169.025	18694.006	475.019	1.347	2.478	494.878	268.986	262.320	6.666
1998	35675	19228.937	18616.569	612.368	1.717	3.185	492.368	265.388	256.937	8.452
1999	38516	20589.820	19784.158	805.662	2.092	3.913	523.195	279.689	268.745	10.944
2000	36283	19196.417	18283.698	912.719	2.516	4.755	485.652	256.946	244.730	12.217
2001	36281	19012.731	17906.595	1106.137	3.049	5.818	479.301	251.174	236.561	14.613
2002	35983	18699.357	17404.135	1295.222	3.600	6.927	470.038	244.265	227.346	16.919
2003	36205	18663.550	17150.417	1513.133	4.179	8.107	468.019	241.262	221.702	19.560
2004	34611	17679.164	16001.001	1678.162	4.849	9.492	442.596	226.076	204.616	21.460
2005	36826	18692.832	16663.414	2029.418	5.511	10.857	465.456	236.265	210.614	25.650
2006	34350	17308.564	15152.789	2155.774	6.276	12.455	430.192	216.769	189.770	26.998
2007	35326	17683.181	15187.232	2495.949	7.065	14.115	437.879	219.189	188.251	30.938
2008	38248	19006.374	16025.995	2980.379	7.792	15.681	468.788	232.952	196.423	36.529
2009	36902	18205.573	14999.378	3206.194	8.688	17.611	446.956	220.505	181.672	38.833
2010	37234	18237.758	14721.018	3516.740	9.445	19.283	445.505	218.215	176.137	42.078
2011	38093	18487.916	14518.806	3969.111	10.420	21.469	451.279	219.022	172.001	47.021
2012	38504	18491.158	14140.540	4350.618	11.299	23.528	451.211	216.689	165.706	50.983
2013	40290	19143.452	14264.724	4878.728	12.109	25.485	466.755	221.775	165.255	56.520
2014	40339	18992.005	13745.357	5246.647	13.006	27.626	461.866	217.451	157.379	60.072
2015	42303	19728.885	13942.001	5786.884	13.680	29.332	544.880	254.116	179.579	74.538
2016	43104	19876.724	13633.716	6243.008	14.484	31.409	550.009	253.628	173.967	79.661
2017	44107	20119.790	13373.237	6746.553	15.296	33.532	557.659	254.381	169.082	85.299
2018	45469	20535.123	13218.713	7316.410	16.091	35.629	569.564	257.229	165.582	91.648
2019	46963	21009.029	13093.260	7915.769	16.855	37.678	582.552	260.605	162.415	98.191
2020	48419	21428.512	12934.893	8493.619	17.542	39.637	685.853	303.533	183.222	120.311
2021	48463	21266.697	12333.333	8933.364	18.433	42.006	681.652	299.127	173.474	125.652
2022	49915	21663.568	12081.152	9582.416	19.197	44.233	696.712	302.378	168.628	133.750
2023	51391	22084.131	11835.478	10248.65	19.943	46.407	711.491	305.748	163.858	141.889
2024	52811	22418.456	11568.951	10849.50	20.544	48.395	725.093	307.804	158.841	148.963
2025	53848	22614.834	11240.107	11374.73	21.124	50.298	860.553	361.411	179.630	181.781
2026	54342	22571.522	10739.126	11832.40	21.774	52.422	864.886	359.241	170.921	188.321
2027	55267	22774.416	10346.068	12428.35	22.488	54.572	875.619	360.827	163.918	196.909
2028	56149	22915.561	9907.294	13008.27	23.167	56.766	885.102	361.228	156.173	205.055
2029	57014	22992.027	9464.550	13527.48	23.727	58.836	893.616	360.371	148.345	212.026
2030	57238	22895.360	9015.833	13879.53	24.249	60.622	1071.90	428.760	168.839	259.921
2031	57592	22715.871	8541.375	14174.50	24.612	62.399	1075.71	424.293	159.538	264.755
2032	58251	22759.207	8113.322	14645.89	25.143	64.351	1084.31	423.652	151.026	272.626
2033	58885	22786.258	7710.147	15076.11	25.603	66.163	1091.54	422.387	142.923	279.465
2034	59460	22806.106	7305.399	15500.71	26.069	67.967	1096.89	420.721	134.768	285.953
2035	58516	22262.998	6847.275	15415.72	26.344	69.244	1335.15	507.973	156.234	351.739
2036	56446	21140.051	6041.723	15098.33	26.748	71.420	1287.60	482.234	137.820	344.414
2037	56568	21011.845	5619.454	15392.39	27.210	73.256	1288.98	478.783	128.047	350.736
2038	56668	20787.483	5201.632	15585.85	27.504	74.977	1288.55	472.681	118.278	354.402
2039	56758	20709.267	4842.053	15867.21	27.956	76.619	1286.40	469.372	109.744	359.628

Results for PHIM for Run 1 (Main_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13291564	4509390.583	3002576.182	1506814	11.337	33.415	3815.59	1305.37	861.944	443.427

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308580	122014.015	120878.376	1135.639	0.368	0.931	4729.74	1870.18	1852.76	17.419
1993	311723	122810.618	120679.258	2131.360	0.684	1.735	4692.65	1848.83	1816.70	32.131
1994	305723	119925.592	116651.381	3274.211	1.071	2.730	4516.28	1771.69	1723.23	48.469
1995	303268	117896.496	113286.850	4609.647	1.520	3.910	4393.95	1708.35	1641.38	66.970
1996	299629	115698.645	109619.386	6079.259	2.029	5.254	4273.40	1650.42	1563.43	86.994
1997	294330	113359.847	105803.241	7556.606	2.567	6.666	4129.04	1590.70	1484.27	106.431
1998	289405	111444.212	102408.577	9035.635	3.122	8.108	3992.71	1538.10	1412.86	125.237
1999	311218	114877.722	102791.891	12085.83	3.883	10.521	4225.40	1560.48	1395.60	164.880
2000	304071	112379.704	98599.233	13780.47	4.532	12.262	4067.26	1504.22	1318.86	185.351
2001	296654	110024.943	94431.956	15592.99	5.256	14.172	3915.60	1453.52	1246.43	207.089
2002	292345	108289.173	90661.379	17627.79	6.030	16.278	3814.65	1414.56	1182.99	231.566
2003	286406	106539.023	87116.574	19422.45	6.781	18.230	3697.37	1377.22	1124.64	252.586
2004	274805	103037.251	82305.225	20732.03	7.544	20.121	3508.45	1317.61	1050.80	266.817
2005	273120	103044.562	80422.573	22621.99	8.283	21.954	3445.47	1302.41	1014.55	287.865
2006	264961	99672.555	75437.151	24235.40	9.147	24.315	3310.95	1248.28	942.662	305.617
2007	259376	97839.152	72255.840	25583.31	9.863	26.148	3206.84	1212.75	893.348	319.403
2008	260562	98075.852	70785.159	27290.69	10.474	27.826	3184.31	1202.07	865.058	337.012
2009	255134	95617.338	67136.888	28480.45	11.163	29.786	3080.04	1158.11	810.492	347.621
2010	253248	94607.988	64791.819	29816.17	11.774	31.515	3019.01	1131.98	772.394	359.591
2011	253310	93633.119	62175.287	31457.83	12.419	33.597	2988.73	1109.25	733.589	375.660
2012	254350	92775.175	59708.597	33066.58	13.000	35.642	2967.32	1087.19	696.576	390.613
2013	258091	92345.780	57632.987	34712.79	13.450	37.590	2975.36	1069.82	664.412	405.404
2014	259513	91379.215	55292.072	36087.14	13.906	39.492	2955.52	1046.26	629.706	416.551
2015	262135	90750.242	53429.343	37320.90	14.237	41.125	3354.48	1168.90	683.724	485.178
2016	264033	88811.996	50204.850	38607.15	14.622	43.471	3345.44	1133.24	636.123	497.121
2017	266514	87325.126	47586.473	39738.65	14.911	45.507	3344.20	1104.08	597.112	506.967
2018	261706	87612.144	46869.666	40742.48	15.568	46.503	3251.71	1097.46	582.358	515.098
2019	264699	87797.760	45569.732	42228.03	15.953	48.097	3255.11	1089.08	560.390	528.692
2020	265832	87221.042	44143.179	43077.86	16.205	49.389	3726.42	1235.48	618.798	616.681
2021	258761	82001.292	39348.726	42652.57	16.483	52.015	3599.51	1153.39	547.362	606.027
2022	261054	81915.977	37888.836	44027.14	16.865	53.747	3601.33	1143.37	522.691	620.684
2023	263324	81810.810	36464.063	45346.75	17.221	55.429	3600.87	1132.64	498.634	634.011
2024	265258	81528.303	35054.186	46474.12	17.520	57.004	3594.91	1119.38	475.071	644.307
2025	262127	79599.213	33395.942	46203.27	17.626	58.045	4125.11	1272.09	525.553	746.534
2026	256490	75082.462	29707.887	45374.57	17.691	60.433	4016.80	1194.99	465.244	729.745
2027	256211	74444.425	28219.439	46224.99	18.042	62.093	3991.28	1179.46	439.605	739.856
2028	255771	73699.585	26656.824	47042.76	18.393	63.830	3961.35	1161.76	412.858	748.902
2029	255278	72819.703	25159.430	47660.27	18.670	65.450	3928.29	1141.36	387.161	754.196
2030	246482	69309.277	23472.738	45836.54	18.596	66.133	4518.49	1297.95	430.300	867.649
2031	241507	65433.368	20812.640	44620.73	18.476	68.193	4411.95	1222.18	380.215	841.967
2032	240318	64643.552	19572.221	45071.33	18.755	69.723	4371.61	1203.31	356.037	847.271
2033	239095	63793.514	18401.504	45392.01	18.985	71.155	4327.66	1182.54	333.070	849.466
2034	237730	63032.151	17299.174	45732.98	19.237	72.555	4278.74	1162.80	311.356	851.445
2035	222602	57653.301	15780.529	41872.77	18.811	72.629	4939.41	1315.47	350.161	965.309
2036	214890	52988.733	13223.027	39765.71	18.505	75.046	4762.71	1208.75	293.068	915.677
2037	212343	52026.921	12262.379	39764.54	18.727	76.431	4697.04	1185.50	271.245	914.258
2038	209826	50943.211	11316.701	39626.51	18.885	77.786	4627.73	1158.38	249.591	908.792
2039	207379	50085.991	10516.675	39569.32	19.081	79.003	4555.10	1135.19	231.000	904.191

Results for PHIM for Run 1 (Main_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3095731	2244988.113	1733526.139	511462.0	16.522	22.782	888.686	649.875	497.640	152.235

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77988	62366.766	62238.154	128.612	0.165	0.206	1195.35	955.930	953.952	1.978
1993	78545	62652.888	62400.588	252.300	0.321	0.403	1182.40	943.195	939.373	3.821
1994	77443	61565.227	61168.659	396.567	0.512	0.644	1144.02	909.520	903.610	5.910
1995	76915	60851.961	60276.730	575.231	0.748	0.945	1114.40	881.759	873.330	8.428
1996	76251	60122.922	59322.964	799.958	1.049	1.331	1087.51	857.643	846.083	11.560
1997	75501	59237.155	58196.647	1040.508	1.378	1.757	1059.17	831.234	816.417	14.817
1998	75421	58906.696	57567.804	1338.892	1.775	2.273	1040.53	813.001	794.223	18.778
1999	73212	56930.073	55298.971	1631.102	2.228	2.865	993.996	773.329	750.792	22.538
2000	73856	57137.121	55126.429	2010.692	2.722	3.519	987.900	764.787	737.372	27.415
2001	73387	56481.726	54041.555	2440.172	3.325	4.320	968.647	746.169	713.307	32.862
2002	72557	55588.365	52697.356	2891.010	3.984	5.201	946.763	726.138	687.619	38.519
2003	72083	54945.856	51555.378	3390.478	4.704	6.171	930.560	710.281	665.557	44.724
2004	71470	54203.126	50261.518	3941.607	5.515	7.272	912.463	693.135	641.692	51.443
2005	71164	53744.603	49233.335	4511.269	6.339	8.394	897.747	679.296	621.090	58.206
2006	69888	52535.572	47424.012	5111.560	7.314	9.730	873.316	657.945	592.610	65.335
2007	68827	51492.124	45787.823	5704.301	8.288	11.078	850.955	638.264	566.106	72.157
2008	68524	51030.736	44605.800	6424.936	9.376	12.590	837.430	625.460	545.123	80.337
2009	67845	50276.199	43129.834	7146.365	10.533	14.214	819.037	608.943	520.673	88.270
2010	67572	49840.933	41972.027	7868.906	11.645	15.788	805.542	596.347	500.355	95.991
2011	66923	49072.841	40403.735	8669.106	12.954	17.666	789.601	581.354	476.712	104.642
2012	66614	48539.512	39010.320	9529.191	14.305	19.632	777.141	568.812	455.104	113.708
2013	65835	47675.741	37381.462	10294.28	15.637	21.592	758.963	552.318	430.946	121.373
2014	65583	47194.534	36103.670	11090.86	16.911	23.500	746.911	540.359	411.174	129.185
2015	64740	46305.842	34520.386	11785.46	18.204	25.451	828.462	596.439	441.750	154.689
2016	62241	44208.867	32013.927	12194.94	19.593	27.585	788.628	564.107	405.634	158.473
2017	60555	42702.624	30032.201	12670.42	20.924	29.671	759.838	539.903	376.842	163.061
2018	63208	44321.202	30071.572	14249.63	22.544	32.151	785.367	555.181	373.641	181.540
2019	63850	44493.088	29188.786	15304.30	23.969	34.397	785.194	551.912	358.947	192.965
2020	64340	44529.551	28241.670	16287.88	25.315	36.578	901.914	630.757	395.891	234.867
2021	57957	39852.556	24318.688	15533.87	26.803	38.978	806.210	560.546	338.286	222.260
2022	58345	39853.685	23334.004	16519.68	28.314	41.451	804.886	556.274	321.901	234.372
2023	58705	39847.050	22355.999	17491.05	29.795	43.895	802.776	551.670	305.711	245.959
2024	58973	39726.010	21371.112	18354.90	31.124	46.204	799.232	545.435	289.632	255.804
2025	58614	39207.348	20271.094	18936.25	32.307	48.298	922.414	626.579	319.007	307.572
2026	52463	34803.960	17188.478	17615.48	33.577	50.613	821.595	553.929	269.182	284.747
2027	52257	34484.595	16203.865	18280.73	34.982	53.011	814.070	546.357	252.425	293.932
2028	52006	34100.638	15190.338	18910.30	36.361	55.454	805.470	537.544	235.266	302.278
2029	51727	33669.838	14228.762	19441.08	37.584	57.740	795.994	527.732	218.956	308.776
2030	50338	32557.688	13190.340	19367.35	38.474	59.486	922.797	609.705	241.804	367.901
2031	44723	28646.393	11023.526	17622.87	39.404	61.519	817.022	535.065	201.383	333.682
2032	44340	28227.160	10273.450	17953.71	40.491	63.604	806.596	525.435	186.884	338.551
2033	43942	27786.623	9570.950	18215.67	41.454	65.556	795.361	515.079	173.236	341.843
2034	43510	27348.299	8918.752	18429.55	42.357	67.388	783.111	504.514	160.522	343.992
2035	41007	25570.077	8073.938	17496.14	42.666	68.424	909.922	583.430	179.156	404.274
2036	35129	21717.319	6339.777	15377.54	43.774	70.808	778.589	495.402	140.512	354.890
2037	34572	21256.024	5837.586	15418.44	44.598	72.537	764.741	484.347	129.128	355.219
2038	34020	20747.175	5353.592	15393.58	45.249	74.196	750.307	471.764	118.074	353.690
2039	33479	20327.688	4952.557	15375.13	45.925	75.636	735.362	460.724	108.783	351.940

Results for PHIM for Run 1 (Main_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6423083	1098877.421	516869.102	582008.3	9.061	52.964	1843.86	318.101	148.377	169.725

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164549	36137.488	35293.287	844.201	0.513	2.336	2522.12	553.899	540.956	12.943
1993	164367	35599.588	34037.071	1562.516	0.951	4.389	2474.37	535.926	512.391	23.535
1994	159878	34336.757	31952.773	2383.985	1.491	6.943	2361.79	507.267	472.020	35.246
1995	158105	33455.759	30123.602	3332.157	2.108	9.960	2290.74	484.782	436.451	48.330
1996	154911	32193.824	27855.739	4338.085	2.800	13.475	2209.39	459.239	397.287	61.952
1997	150023	30665.509	25352.796	5312.713	3.541	17.325	2104.61	430.308	355.664	74.644
1998	145480	29188.430	22963.494	6224.936	4.279	21.327	2007.09	402.844	316.811	86.033
1999	166067	33375.386	24714.776	8660.610	5.215	25.949	2254.68	453.366	335.551	117.815
2000	160410	32024.754	22328.379	9696.376	6.045	30.278	2145.65	428.655	298.665	129.991
2001	154631	30682.393	19910.004	10772.39	6.967	35.109	2041.01	405.339	262.797	142.542
2002	152119	30218.370	18184.244	12034.13	7.911	39.824	1984.91	394.736	237.276	157.459
2003	147009	29175.202	16210.799	12964.40	8.819	44.436	1897.82	377.146	209.274	167.872
2004	138696	27488.687	14042.122	13446.57	9.695	48.917	1770.73	351.518	179.277	172.241
2005	136248	27017.439	12703.002	14314.44	10.506	52.982	1718.80	341.482	160.251	181.231
2006	132339	26231.435	11177.999	15053.44	11.375	57.387	1653.71	328.517	139.680	188.837
2007	126966	25103.049	9738.335	15364.71	12.101	61.207	1569.76	311.161	120.402	190.760
2008	126388	24621.740	8774.835	15846.91	12.538	64.361	1544.57	301.777	107.236	194.541
2009	123013	23741.177	7739.451	16001.73	13.008	67.401	1485.04	287.552	93.432	194.120
2010	121184	23189.160	6933.395	16255.77	13.414	70.101	1444.65	277.458	82.654	194.804
2011	120941	22786.927	6183.129	16603.80	13.729	72.865	1426.95	269.951	72.953	196.998
2012	121732	22485.295	5573.671	16911.62	13.892	75.212	1420.16	263.495	65.024	198.471
2013	123551	22251.884	5060.925	17190.96	13.914	77.256	1424.34	257.786	58.344	199.442
2014	124228	21894.593	4574.847	17319.75	13.942	79.105	1414.79	250.685	52.102	198.583
2015	124877	21471.109	4152.948	17318.16	13.868	80.658	1598.02	276.557	53.144	223.413
2016	127443	21411.568	3777.592	17633.98	13.837	82.357	1614.78	273.213	47.864	225.348
2017	129619	21169.399	3440.644	17728.76	13.678	83.747	1626.45	267.651	43.173	224.478
2018	122801	19830.576	2937.931	16892.64	13.756	85.185	1525.81	248.404	36.504	211.900
2019	123315	19431.014	2678.804	16752.21	13.585	86.214	1516.46	241.031	32.942	208.088
2020	122409	18532.612	2395.078	16137.53	13.183	87.076	1715.92	262.513	33.574	228.939
2021	121084	18234.128	2158.705	16075.42	13.276	88.161	1684.35	256.472	30.029	226.443
2022	121226	17812.559	1960.341	15852.22	13.077	88.995	1672.35	248.626	27.044	221.582
2023	121347	17361.668	1780.294	15581.37	12.840	89.746	1659.38	240.367	24.345	216.022
2024	121322	16929.676	1637.739	15291.94	12.604	90.326	1644.21	232.443	22.195	210.248
2025	117804	15501.666	1433.770	14067.90	11.942	90.751	1853.89	247.735	22.563	225.171
2026	117276	15523.814	1347.314	14176.50	12.088	91.321	1836.61	247.072	21.100	225.972
2027	116287	15073.070	1249.289	13823.78	11.888	91.712	1811.53	238.810	19.462	219.349
2028	115248	14636.710	1151.707	13485.00	11.701	92.131	1784.95	230.725	17.837	212.888
2029	114207	14180.166	1070.677	13109.49	11.479	92.449	1757.45	222.256	16.476	205.780
2030	107387	12111.772	893.945	11217.83	10.446	92.619	1968.62	226.816	16.388	210.428
2031	107921	12417.367	888.138	11529.23	10.683	92.848	1971.56	231.935	16.225	215.710
2032	106590	12054.064	835.991	11218.07	10.525	93.065	1938.98	224.381	15.207	209.173
2033	105273	11672.389	780.250	10892.14	10.347	93.315	1905.45	216.370	14.123	202.248
2034	103931	11365.762	742.678	10623.08	10.221	93.466	1870.57	209.673	13.367	196.306
2035	93612	8580.360	550.937	8029.423	8.577	93.579	2077.21	195.777	12.225	183.552
2036	95007	8948.841	558.540	8390.301	8.831	93.759	2105.69	204.135	12.379	191.756
2037	93256	8624.570	533.388	8091.181	8.676	93.815	2062.83	196.522	11.799	184.724
2038	91556	8315.017	501.997	7813.019	8.534	93.963	2019.28	189.073	11.072	178.001
2039	89922	8001.132	473.991	7527.141	8.371	94.076	1975.16	181.344	10.411	170.933

Results for PHIM for Run 1 (Main_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1506815	149918.462	69737.075	80181.39	5.321	53.483	432.559	43.398	20.019	23.379

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.544	105.028	0.327	2.358	492.015	68.262	66.652	1.610
1993	32897	4462.473	4264.090	198.384	0.603	4.446	495.229	67.179	64.191	2.988
1994	33325	4499.513	4186.460	313.053	0.939	6.957	492.297	66.473	61.844	4.628
1995	33574	4472.774	4029.008	443.766	1.322	9.921	486.436	64.812	58.375	6.436
1996	33877	4406.878	3818.620	588.258	1.736	13.349	483.172	62.863	54.462	8.401
1997	33527	4288.158	3553.336	734.822	2.192	17.136	470.341	60.173	49.848	10.324
1998	32811	4120.148	3251.495	868.653	2.647	21.083	452.668	56.864	44.859	12.006
1999	33397	3982.443	2980.498	1001.944	3.000	25.159	453.430	54.097	40.466	13.631
2000	33489	4021.411	2843.864	1177.548	3.516	29.282	447.949	53.827	38.040	15.788
2001	32312	3848.092	2552.413	1295.680	4.010	33.671	426.499	50.836	33.690	17.147
2002	31632	3783.081	2349.366	1433.715	4.532	37.898	412.754	49.418	30.656	18.762
2003	31041	3754.415	2167.726	1586.689	5.112	42.262	400.725	48.533	27.984	20.549
2004	29950	3666.274	1964.083	1702.192	5.683	46.428	382.370	46.883	25.076	21.808
2005	28783	3589.688	1777.469	1812.219	6.296	50.484	363.108	45.371	22.423	22.948
2006	28275	3596.985	1633.871	1963.113	6.943	54.577	353.323	45.048	20.417	24.631
2007	28126	3560.798	1485.921	2074.876	7.377	58.270	347.744	44.137	18.371	25.766
2008	27239	3417.001	1309.951	2107.051	7.735	61.664	332.889	41.881	16.009	25.872
2009	27195	3394.390	1194.810	2199.580	8.088	64.800	328.299	41.113	14.424	26.689
2010	27053	3340.137	1083.882	2256.255	8.340	67.550	322.502	39.965	12.921	27.044
2011	27118	3285.435	979.483	2305.952	8.503	70.187	319.963	38.922	11.557	27.365
2012	27235	3259.209	886.159	2373.051	8.713	72.811	317.728	38.193	10.338	27.855
2013	28108	3274.703	816.076	2458.627	8.747	75.079	324.034	37.937	9.408	28.529
2014	29023	3298.083	751.279	2546.804	8.775	77.221	330.534	37.762	8.556	29.206
2015	29822	3244.406	683.589	2560.817	8.587	78.930	381.630	41.789	8.748	33.042
2016	30808	3314.836	640.200	2674.637	8.682	80.687	390.350	42.297	8.112	34.186
2017	31746	3333.314	591.436	2741.878	8.637	82.257	398.346	42.144	7.421	34.723
2018	29685	2925.242	482.021	2443.221	8.230	83.522	368.842	36.642	5.989	30.653
2019	29965	2864.628	438.117	2426.511	8.098	84.706	368.493	35.534	5.388	30.146
2020	29991	2730.366	389.496	2340.870	7.805	85.735	420.408	38.675	5.460	33.215
2021	30533	2647.911	351.250	2296.661	7.522	86.735	424.730	37.244	4.886	32.358
2022	30772	2586.165	317.840	2268.325	7.371	87.710	424.511	36.097	4.385	31.713
2023	31008	2517.960	288.107	2229.854	7.191	88.558	424.018	34.860	3.940	30.921
2024	31197	2454.161	263.895	2190.266	7.021	89.247	422.802	33.695	3.576	30.119
2025	30823	2275.364	231.230	2044.134	6.632	89.838	485.065	36.363	3.639	32.724
2026	31298	2183.166	209.373	1973.793	6.306	90.410	490.151	34.747	3.279	31.468
2027	31205	2112.345	192.381	1919.964	6.153	90.893	486.121	33.467	2.997	30.470
2028	31087	2046.677	176.876	1869.801	6.015	91.358	481.478	32.263	2.739	29.523
2029	30962	1977.671	163.065	1814.607	5.861	91.755	476.450	30.997	2.509	28.488
2030	30063	1744.457	138.669	1605.788	5.341	92.051	551.120	32.668	2.542	30.126
2031	29736	1653.738	126.840	1526.898	5.135	92.330	543.231	30.889	2.317	28.572
2032	29513	1603.120	117.676	1485.445	5.033	92.660	536.862	29.841	2.141	27.701
2033	29280	1548.245	109.458	1438.786	4.914	92.930	529.967	28.700	1.981	26.719
2034	29021	1511.985	103.589	1408.396	4.853	93.149	522.336	27.893	1.864	26.028
2035	27588	1239.866	82.992	1156.874	4.193	93.306	612.170	28.290	1.842	26.448
2036	26436	1182.522	76.741	1105.781	4.183	93.510	585.916	26.975	1.701	25.274
2037	26003	1134.483	72.854	1061.629	4.083	93.578	575.193	25.851	1.612	24.239
2038	25568	1093.537	68.342	1025.195	4.010	93.750	563.894	24.866	1.507	23.358
2039	25134	1047.905	63.961	983.944	3.915	93.896	552.079	23.751	1.405	22.346

Results for PHIM for Run 1 (Main_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2265935	1015606.587	682443.867	333162.7	14.703	32.804	650.478	293.996	195.908	98.088

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.391	57.798	0.170	0.303	520.249	292.085	291.197	0.888
1993	35914	20095.670	19977.509	118.160	0.329	0.588	540.648	302.526	300.740	1.786
1994	35077	19524.095	19343.489	180.605	0.515	0.925	518.166	288.435	285.750	2.684
1995	34674	19116.002	18857.509	258.493	0.746	1.352	502.376	276.995	273.220	3.775
1996	34590	18975.021	18622.063	352.959	1.020	1.860	493.330	270.675	265.594	5.082
1997	35279	19169.025	18700.462	468.563	1.328	2.444	494.916	268.986	262.341	6.645
1998	35693	19228.937	18625.784	603.154	1.690	3.137	492.425	265.388	256.967	8.421
1999	38542	20589.820	19797.645	792.175	2.055	3.847	523.284	279.689	268.792	10.897
2000	36316	19196.417	18300.562	895.856	2.467	4.667	485.767	256.946	244.789	12.158
2001	36324	19012.731	17927.985	1084.746	2.986	5.705	479.449	251.174	236.636	14.538
2002	36037	18699.357	17430.413	1268.944	3.521	6.786	470.226	244.265	227.440	16.826
2003	36273	18663.550	17182.671	1480.879	4.083	7.935	468.262	241.262	221.821	19.442
2004	34689	17679.164	16037.502	1641.662	4.732	9.286	442.880	226.076	204.752	21.325
2005	36925	18692.832	16708.767	1984.065	5.373	10.614	465.823	236.265	210.785	25.480
2006	34459	17308.564	15201.269	2107.294	6.115	12.175	430.602	216.769	189.955	26.814
2007	35457	17683.181	15243.761	2439.421	6.880	13.795	438.377	219.189	188.469	30.720
2008	38411	19006.374	16094.573	2911.801	7.581	15.320	469.416	232.952	196.690	36.262
2009	37082	18205.573	15072.793	3132.780	8.448	17.208	447.660	220.505	181.962	38.543
2010	37439	18237.758	14802.515	3435.243	9.176	18.836	446.317	218.215	176.463	41.752
2011	38328	18487.916	14608.940	3878.976	10.120	20.981	452.222	219.022	172.367	46.655
2012	38769	18491.158	14238.447	4252.711	10.969	22.999	452.285	216.689	166.109	50.580
2013	40598	19143.452	14374.525	4768.928	11.747	24.912	468.022	221.775	165.714	56.061
2014	40679	18992.005	13862.276	5129.729	12.610	27.010	463.279	217.451	157.874	59.578
2015	42696	19728.885	14072.420	5656.465	13.248	28.671	546.368	254.116	180.082	74.035
2016	43541	19876.724	13773.132	6103.592	14.018	30.707	551.685	253.628	174.513	79.115
2017	44594	20119.790	13522.192	6597.598	14.795	32.792	559.561	254.381	169.676	84.705
2018	46012	20535.123	13378.141	7156.982	15.555	34.852	571.699	257.229	166.224	91.005
2019	47568	21009.029	13264.025	7745.004	16.282	36.865	584.967	260.605	163.113	97.492
2020	49093	21428.512	13116.934	8311.578	16.930	38.787	688.181	303.533	183.873	119.660
2021	49187	21266.697	12520.083	8746.614	17.782	41.128	684.220	299.127	174.161	124.966
2022	50712	21663.568	12276.650	9386.918	18.510	43.330	699.584	302.378	169.361	133.017
2023	52264	22084.131	12039.664	10044.47	19.219	45.483	714.697	305.748	164.638	141.109
2024	53766	22418.456	11781.441	10637.01	19.784	47.448	728.661	307.804	159.668	148.136
2025	54886	22614.834	11459.849	11154.99	20.324	49.326	863.742	361.411	180.344	181.067
2026	55454	22571.522	10962.722	11608.80	20.934	51.431	868.444	359.241	171.683	187.558
2027	56461	22774.416	10573.905	12200.51	21.609	53.571	879.556	360.827	164.721	196.106
2028	57429	22915.561	10137.904	12777.66	22.250	55.760	889.447	361.228	157.015	204.214
2029	58382	22992.027	9696.925	13295.10	22.773	57.825	898.397	360.371	149.219	211.152
2030	58693	22895.360	9249.784	13645.58	23.249	59.600	1075.96	428.760	169.566	259.193
2031	59126	22715.871	8774.137	13941.73	23.580	61.374	1080.14	424.293	160.290	264.003
2032	59875	22759.207	8345.104	14414.10	24.074	63.333	1089.18	423.652	151.805	271.846
2033	60600	22786.258	7940.846	14845.41	24.497	65.151	1096.88	422.387	143.730	278.657
2034	61268	22806.106	7534.156	15271.95	24.926	66.964	1102.72	420.721	135.602	285.119
2035	60394	22262.998	7072.662	15190.34	25.152	68.231	1340.11	507.973	156.938	351.035
2036	58318	21140.051	6247.969	14892.08	25.536	70.445	1292.52	482.234	138.477	343.757
2037	58511	21011.845	5818.550	15193.29	25.966	72.308	1294.28	478.783	128.707	350.076
2038	58682	20787.483	5392.771	15394.71	26.234	74.058	1294.25	472.681	118.938	353.743
2039	58844	20709.267	5026.167	15683.10	26.652	75.730	1292.50	469.372	110.400	358.972

Results for PHIM for Run 2 (Main_Analysis.RTF)

Control File Details for Run: 2

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Main_Analysis
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 2 (Main_Analysis.RTF)

TTP values for Run: 2, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 2 (Main_Analysis.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 2 (Main_Analysis.RTF)

TTP Factors

Factor	TTP Affected	Relates to	Value	< or >	Years
1a	Current PR2 to Current PR1	Previous PR1 use	2	-	-
1b	Current PR3 to Current PR1	Previous PR1 use	2	-	-
1c	Current PR4 to Current PR1	Previous PR1 use	2	-	-
2a	Current PR1 to Former	Previously quit	2	-	-
2b	Current PR2 to Former	Previously quit	2	-	-
2c	Current PR3 to Former	Previously quit	2	-	-
2d	Current PR4 to Former	Previously quit	2	-	-
3a	Former to Current PR1	Time quit	2	<	2
3b	Former to Current PR2	Time quit	2	<	2
3c	Former to Current PR3	Time quit	2	<	2
3d	Former to Current PR4	Time quit	2	<	2
4a	Current PR2 to Current PR1	Time PR2 use	0	>	2
4b	Current PR2 to Current PR3	Time PR2 use	0	>	2
4c	Current PR2 to Current PR4	Time PR2 use	0	>	2
5a	Current PR3 to Current PR1	Time PR3 use	0	>	2
5b	Current PR3 to Current PR2	Time PR3 use	0	>	2
5c	Current PR3 to Current PR4	Time PR3 use	0	>	2
6a	Current PR4 to Current PR1	Time PR4 use	-	-	-
6b	Current PR4 to Current PR2	Time PR4 use	-	-	-
6c	Current PR4 to Current PR3	Time PR4 use	-	-	-
7a	Current PR1 to Current PR2	Time PR1 use	-	-	-
7b	Current PR1 to Current PR3	Time PR1 use	-	-	-
7c	Current PR1 to Current PR4	Time PR1 use	-	-	-

Results for PHIM for Run 2 (Main_Analysis.RTF)

TTP values for Run: 2, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Main_Analysis.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Main_Analysis.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Main_Analysis.RTF)

TTP Factors

Factor	TTP Affected	Relates to	Value	< or >	Years
1a	Current PR2 to Current PR1	Previous PR1 use	2	-	-
1b	Current PR3 to Current PR1	Previous PR1 use	2	-	-
1c	Current PR4 to Current PR1	Previous PR1 use	2	-	-
2a	Current PR1 to Former	Previously quit	2	-	-
2b	Current PR2 to Former	Previously quit	2	-	-
2c	Current PR3 to Former	Previously quit	2	-	-
2d	Current PR4 to Former	Previously quit	2	-	-
3a	Former to Current PR1	Time quit	2	<	2
3b	Former to Current PR2	Time quit	2	<	2
3c	Former to Current PR3	Time quit	2	<	2
3d	Former to Current PR4	Time quit	2	<	2
4a	Current PR2 to Current PR1	Time PR2 use	0	>	2
4b	Current PR2 to Current PR3	Time PR2 use	0	>	2
4c	Current PR2 to Current PR4	Time PR2 use	0	>	2
5a	Current PR3 to Current PR1	Time PR3 use	0	>	2
5b	Current PR3 to Current PR2	Time PR3 use	0	>	2
5c	Current PR3 to Current PR4	Time PR3 use	0	>	2
6a	Current PR4 to Current PR1	Time PR4 use	-	-	-
6b	Current PR4 to Current PR2	Time PR4 use	-	-	-
6c	Current PR4 to Current PR3	Time PR4 use	-	-	-
7a	Current PR1 to Current PR2	Time PR1 use	-	-	-
7b	Current PR1 to Current PR3	Time PR1 use	-	-	-
7c	Current PR1 to Current PR4	Time PR1 use	-	-	-

Results for PHIM for Run 2 (Main_Analysis.RTF)

Main Output for the Tobacco History for Run: 2, Simulation: 1, Scenario: NULL

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			F (Females)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Main_Analysis.RTF)

0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50981	55.63					
5	All Ages	CC	22244	24.27	0	0.00			
5	All Ages	Former	18414	20.09			14.18	1112	6.04
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2456	77.33					
5	18-19	CC	655	20.62	0	0.00			
5	18-19	Former	65	2.05			1.03	44	67.69
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5863	70.22					
5	20-24	CC	2044	24.48	0	0.00			
5	20-24	Former	443	5.31			3.18	111	25.06
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5317	60.47					
5	25-29	CC	2445	27.81	0	0.00			
5	25-29	Former	1031	11.73			5.90	56	5.43
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	5299	52.58					
5	30-34	CC	3133	31.09	0	0.00			
5	30-34	Former	1646	16.33			8.04	60	3.65
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5282	50.31					
5	35-39	CC	3194	30.42	0	0.00			
5	35-39	Former	2023	19.27			8.86	56	2.77
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	2469	25.72	0	0.00			
5	40-44	Former	2113	22.01			11.98	88	4.16
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	2119	24.94	0	0.00			
5	45-49	Former	2022	23.80			10.86	131	6.48
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	1609	24.62	0	0.00			
5	50-54	Former	1811	27.71			15.25	103	5.69
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	1332	24.07	0	0.00			
5	55-59	Former	1518	27.43			15.70	98	6.46
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Main_Analysis.RTF)

5	60-64	Never Any	2732	51.90					
5	60-64	CC	1075	20.42	0	0.00			
5	60-64	Former	1457	27.68			19.19	91	6.25
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	973	17.61	0	0.00			
5	65-69	Former	1473	26.67			19.32	103	6.99
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	743	14.01	0	0.00			
5	70-74	Former	1518	28.63			22.00	101	6.65
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	453	10.10	0	0.00			
5	75-79	Former	1294	28.85			26.12	70	5.41
Year of Follow-up: 2000, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50547	55.00					
10	All Ages	CC	20170	21.95	0	0.00			
10	All Ages	Former	21191	23.06			15.16	1629	7.69
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5202	65.60					
10	20-24	CC	2090	26.36	0	0.00			
10	20-24	Former	638	8.05			3.29	203	31.82
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5551	66.48					
10	25-29	CC	2028	24.29	0	0.00			
10	25-29	Former	771	9.23			5.52	121	15.69
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5207	59.22					
10	30-34	CC	2340	26.61	0	0.00			
10	30-34	Former	1246	14.17			9.37	75	6.02
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5279	52.38					
10	35-39	CC	2932	29.09	0	0.00			
10	35-39	Former	1867	18.53			11.71	99	5.30
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5282	50.31					
10	40-44	CC	2909	27.71	0	0.00			
10	40-44	Former	2308	21.98			12.36	121	5.24
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	2119	22.07	0	0.00			
10	45-49	Former	2463	25.66			14.83	164	6.66
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	1637	19.27	0	0.00			
10	50-54	Former	2504	29.47			13.17	199	7.95
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Main_Analysis.RTF)

10	55-59	Never Any	3116	47.67					
10	55-59	CC	1238	18.94	0	0.00			
10	55-59	Former	2182	33.38			17.12	160	7.33
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	2684	48.50					
10	60-64	CC	986	17.82	0	0.00			
10	60-64	Former	1864	33.68			17.20	136	7.30
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	2732	51.90					
10	65-69	CC	745	14.15	0	0.00			
10	65-69	Former	1787	33.95			20.07	142	7.95
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	3078	55.72					
10	70-74	CC	669	12.11	0	0.00			
10	70-74	Former	1777	32.17			20.49	122	6.87
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	3042	57.36					
10	75-79	CC	477	8.99	0	0.00			
10	75-79	Former	1784	33.64			23.30	87	4.88
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	47103	54.39					
15	All Ages	CC	17388	20.08	0	0.00			
15	All Ages	Former	22114	25.53			17.31	946	4.28
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0	.					
15	18-19	CC	0	.	0	.			
15	18-19	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0	.					
15	20-24	CC	0	.	0	.			
15	20-24	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	4932	62.19					
15	25-29	CC	2046	25.80	0	0.00			
15	25-29	Former	952	12.01			6.37	91	9.56
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	5445	65.21					
15	30-34	CC	1941	23.25	0	0.00			
15	30-34	Former	964	11.54			8.81	80	8.30
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	5181	58.92					
15	35-39	CC	2182	24.82	0	0.00			
15	35-39	Former	1430	16.26			12.82	53	3.71
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5279	52.38					
15	40-44	CC	2692	26.71	0	0.00			
15	40-44	Former	2107	20.91			15.03	104	4.94
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5282	50.31					
15	45-49	CC	2582	24.59	0	0.00			
15	45-49	Former	2635	25.10			15.46	132	5.01
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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15	50-54	Never Any	5018	52.27					
15	50-54	CC	1831	19.07	0	0.00			
15	50-54	Former	2751	28.66			18.00	96	3.49
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	1398	16.45	0	0.00			
15	55-59	Former	2743	32.28			16.81	63	2.30
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	972	14.87	0	0.00			
15	60-64	Former	2448	37.45			19.94	116	4.74
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	725	13.10	0	0.00			
15	65-69	Former	2125	38.40			19.76	83	3.91
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	555	10.54	0	0.00			
15	70-74	Former	1977	37.56			22.86	71	3.59
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	464	8.40	0	0.00			
15	75-79	Former	1982	35.88			23.10	57	2.88
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43878	54.12					
20	All Ages	CC	14309	17.65	0	0.00			
20	All Ages	Former	22894	28.24			19.34	1178	5.15
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Former	0	.			.	0	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Former	0	.			.	0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Former	0	.			.	0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4823	60.82					
20	30-34	CC	1886	23.78	0	0.00			
20	30-34	Former	1221	15.40			9.25	131	10.73
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5407	64.75					
20	35-39	CC	1717	20.56	0	0.00			
20	35-39	Former	1226	14.68			11.27	97	7.91
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5181	58.92					
20	40-44	CC	1927	21.92	0	0.00			
20	40-44	Former	1685	19.16			15.41	106	6.29
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	45-49	Never Any	5279	52.38					
20	45-49	CC	2378	23.60	0	0.00			
20	45-49	Former	2421	24.02			17.69	128	5.29
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5282	50.31					
20	50-54	CC	2192	20.88	0	0.00			
20	50-54	Former	3025	28.81			18.05	181	5.98
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	1529	15.93	0	0.00			
20	55-59	Former	3053	31.80			20.92	129	4.23
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	1087	12.79	0	0.00			
20	60-64	Former	3054	35.94			19.75	163	5.34
Year of Follow-up: 2010, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	677	10.36	0	0.00			
20	65-69	Former	2743	41.97			22.49	97	3.54
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	527	9.52	0	0.00			
20	70-74	Former	2323	41.98			22.81	85	3.66
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	389	7.39	0	0.00			
20	75-79	Former	2143	40.71			25.87	61	2.85
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41126	54.24					
25	All Ages	CC	11487	15.15	0	0.00			
25	All Ages	Former	23204	30.61			21.38	942	4.06
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4803	60.57					
25	35-39	CC	1520	19.17	0	0.00			
25	35-39	Former	1607	20.26			11.32	140	8.71
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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25	40-44	Never Any	5407	64.75					
25	40-44	CC	1456	17.44	0	0.00			
25	40-44	Former	1487	17.81			13.77	95	6.39
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5181	58.92					
25	45-49	CC	1616	18.38	0	0.00			
25	45-49	Former	1996	22.70			17.55	115	5.76
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5279	52.38					
25	50-54	CC	2034	20.18	0	0.00			
25	50-54	Former	2765	27.44			20.11	143	5.17
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5282	50.31					
25	55-59	CC	1817	17.31	0	0.00			
25	55-59	Former	3400	32.38			20.73	148	4.35
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	1220	12.71	0	0.00			
25	60-64	Former	3362	35.02			23.69	151	4.49
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	840	9.89	0	0.00			
25	65-69	Former	3301	38.85			23.09	63	1.91
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	565	8.64	0	0.00			
25	70-74	Former	2855	43.68			26.49	43	1.51
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	419	7.57	0	0.00			
25	75-79	Former	2431	43.93			26.67	44	1.81
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38442	54.70					
30	All Ages	CC	9164	13.04	0	0.00			
30	All Ages	Former	22677	32.27			23.77	745	3.29
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.		0	.
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			
30	20-24	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4803	60.57					
30	40-44	CC	1279	16.13	0	0.00			
30	40-44	Former	1848	23.30			14.45	108	5.84
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5407	64.75					
30	45-49	CC	1247	14.93	0	0.00			
30	45-49	Former	1696	20.31			16.75	65	3.83
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5181	58.92					
30	50-54	CC	1363	15.50	0	0.00			
30	50-54	Former	2249	25.58			20.22	115	5.11
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5279	52.38					
30	55-59	CC	1698	16.85	0	0.00			
30	55-59	Former	3101	30.77			22.63	108	3.48
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5282	50.31					
30	60-64	CC	1451	13.82	0	0.00			
30	60-64	Former	3766	35.87			23.40	173	4.59
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	961	10.01	0	0.00			
30	65-69	Former	3621	37.72			26.81	78	2.15
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	70-74	Never Any	4356	51.27					
30	70-74	CC	720	8.47	0	0.00			
30	70-74	Former	3421	40.26			27.18	45	1.32
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	445	6.81	0	0.00			
30	75-79	Former	2975	45.52			30.30	53	1.78
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35326	55.42					
35	All Ages	CC	7117	11.16	0	0.00			
35	All Ages	Former	21304	33.42			25.85	631	2.96
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Former	0	.			0	.	
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Former	0	.			0	.	
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Former	0	.			0	.	
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4803	60.57					
35	45-49	CC	1077	13.58	0	0.00			
35	45-49	Former	2050	25.85			17.75	79	3.85
Year of Follow-up: 2025, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5407	64.75					
35	50-54	CC	1071	12.83	0	0.00			
35	50-54	Former	1872	22.42			19.88	75	4.01
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5181	58.92					
35	55-59	CC	1098	12.49	0	0.00			
35	55-59	Former	2514	28.59			22.77	110	4.38
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5279	52.38					
35	60-64	CC	1327	13.17	0	0.00			
35	60-64	Former	3472	34.45			24.88	166	4.78
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5282	50.31					
35	65-69	CC	1147	10.92	0	0.00			
35	65-69	Former	4070	38.77			26.47	82	2.01
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	817	8.51	0	0.00			
35	70-74	Former	3765	39.22			30.66	59	1.57
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	580	6.83	0	0.00			
35	75-79	Former	3561	41.91			30.99	60	1.68
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30970	56.05					
40	All Ages	CC	5318	9.63	0	0.00			
40	All Ages	Former	18962	34.32			28.04	458	2.42
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Main_Analysis.RTF)

40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	30-34	Never Any	0	.					
40	30-34	CC	0	.	0	.			
40	30-34	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any	0	.					
40	35-39	CC	0	.	0	.			
40	35-39	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any	0	.					
40	40-44	CC	0	.	0	.			
40	40-44	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any	0	.					
40	45-49	CC	0	.	0	.			
40	45-49	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any	4803	60.57					
40	50-54	CC	918	11.58	0	0.00			
40	50-54	Former	2209	27.86			21.26	61	2.76
Year of Follow-up: 2030, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any	5407	64.75					
40	55-59	CC	881	10.55	0	0.00			
40	55-59	Former	2062	24.69			22.78	70	3.39
Year of Follow-up: 2030, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any	5181	58.92					
40	60-64	CC	870	9.89	0	0.00			
40	60-64	Former	2742	31.18			25.61	111	4.05
Year of Follow-up: 2030, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any	5279	52.38					
40	65-69	CC	1041	10.33	0	0.00			
40	65-69	Former	3758	37.29			27.80	71	1.89
Year of Follow-up: 2030, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any	5282	50.31					
40	70-74	CC	965	9.19	0	0.00			
40	70-74	Former	4252	40.50			30.20	80	1.88
Year of Follow-up: 2030, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any	5018	52.27					
40	75-79	CC	643	6.70	0	0.00			
40	75-79	Former	3939	41.03			34.18	65	1.65
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25952	56.85					
45	All Ages	CC	3767	8.25	0	0.00			
45	All Ages	Former	15931	34.90			29.76	350	2.20
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Former	0	.			0	.	
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	55-59	Never Any	4803	60.57					
45	55-59	CC	763	9.62	0	0.00			
45	55-59	Former	2364	29.81			24.66	71	3.00
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5407	64.75					
45	60-64	CC	691	8.28	0	0.00			
45	60-64	Former	2252	26.97			25.59	91	4.04
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5181	58.92					
45	65-69	CC	702	7.98	0	0.00			
45	65-69	Former	2910	33.09			28.98	48	1.65
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5279	52.38					
45	70-74	CC	880	8.73	0	0.00			
45	70-74	Former	3919	38.89			31.53	68	1.74
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5282	50.31					
45	75-79	CC	731	6.96	0	0.00			
45	75-79	Former	4486	42.73			33.48	72	1.60
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20670	58.80					
50	All Ages	CC	2462	7.00	0	0.00			
50	All Ages	Former	12019	34.19			31.80	230	1.91
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Main_Analysis.RTF)

50	18-19	Never	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Former	0	.			0	.	
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never	4803	60.57					
50	60-64	CC	621	7.83	0	0.00			
50	60-64	Former	2506	31.60			28.08	64	2.55
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never	5407	64.75					
50	65-69	CC	538	6.44	0	0.00			
50	65-69	Former	2405	28.80			28.80	40	1.66
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never	5181	58.92					
50	70-74	CC	605	6.88	0	0.00			
50	70-74	Former	3007	34.20			32.94	48	1.60
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never	5279	52.38					
50	75-79	CC	698	6.93	0	0.00			
50	75-79	Former	4101	40.69			34.99	78	1.90

Results for PHIM for Run 2 (Main_Analysis.RTF)

Main Output for the Tobacco History for Run: 2, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		F (Females)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 2 (Main_Analysis.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	10659	11.63	0	0.00			
5	All Ages	Ecig	11697	12.76					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18396	20.07			14.19	1129	6.14
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	233	7.34	0	0.00			
5	18-19	Ecig	427	13.44					
5	18-19	Dual	0	0.00					
5	18-19	Former	82	2.58			1.15	52	63.41
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	862	10.32	0	0.00			
5	20-24	Ecig	1250	14.97					
5	20-24	Dual	0	0.00					
5	20-24	Former	444	5.32			3.23	106	23.87
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1395	15.86					
5	25-29	Dual	0	0.00					
5	25-29	Former	1023	11.63			5.94	54	5.28
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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5	30-34	Never Any	5304	52.63					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1802	17.88					
5	30-34	Dual	0	0.00					
5	30-34	Former	1599	15.87			8.16	67	4.19
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1746	16.63					
5	35-39	Dual	0	0.00					
5	35-39	Former	2065	19.67			8.75	62	3.00
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1356	14.13					
5	40-44	Dual	0	0.00					
5	40-44	Former	2091	21.78			12.09	81	3.87
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1161	13.66					
5	45-49	Dual	0	0.00					
5	45-49	Former	2006	23.61			10.93	133	6.63
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	826	12.64					
5	50-54	Dual	0	0.00					
5	50-54	Former	1855	28.38			14.92	140	7.55
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	627	11.33					
5	55-59	Dual	0	0.00					
5	55-59	Former	1501	27.12			15.84	93	6.20
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	444	8.43					
5	60-64	Dual	0	0.00					
5	60-64	Former	1455	27.64			19.22	87	5.98
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	374	6.77					
5	65-69	Dual	0	0.00					
5	65-69	Former	1470	26.61			19.34	107	7.28
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	188	3.55					
5	70-74	Dual	0	0.00					
5	70-74	Former	1496	28.21			22.32	77	5.15
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	101	2.25					
5	75-79	Dual	0	0.00					
5	75-79	Former	1309	29.19			25.87	70	5.35
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	4595	5.00	0	0.00			
10	All Ages	Ecig	15644	17.02					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21246	23.12			15.11	1717	8.08
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	370	4.67	0	0.00			
10	20-24	Ecig	1780	22.45					
10	20-24	Dual	0	0.00					
10	20-24	Former	652	8.22			3.55	169	25.92
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	400	4.79	0	0.00			
10	25-29	Ecig	1690	20.24					
10	25-29	Dual	0	0.00					
10	25-29	Former	767	9.19			5.59	126	16.43
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1908	21.70					
10	30-34	Dual	0	0.00					
10	30-34	Former	1254	14.26			9.28	91	7.26
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2413	23.94					
10	35-39	Dual	0	0.00					
10	35-39	Former	1820	18.06			11.77	105	5.77
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2292	21.83					
10	40-44	Dual	0	0.00					
10	40-44	Former	2345	22.34			12.30	143	6.10
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1673	17.43					
10	45-49	Dual	0	0.00					
10	45-49	Former	2463	25.66			14.76	181	7.35
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1299	15.29					
10	50-54	Dual	0	0.00					
10	50-54	Former	2464	29.00			13.32	188	7.63
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	912	13.95					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2225	34.04			16.92	157	7.06
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		663	11.98					
10	60-64	Dual		0	0.00					
10	60-64	Former		1853	33.48			17.23	149	8.04
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		443	8.42					
10	65-69	Dual		0	0.00					
10	65-69	Former		1809	34.37			19.85	146	8.07
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		368	6.66					
10	70-74	Dual		0	0.00					
10	70-74	Former		1804	32.66			20.18	154	8.54
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		203	3.83					
10	75-79	Dual		0	0.00					
10	75-79	Former		1790	33.75			23.17	108	6.03
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		1890	2.18	0	0.00			
15	All Ages	Ecig		15617	18.03					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		22096	25.51			17.32	941	4.26
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		166	2.09	0	0.00			
15	25-29	Ecig		1941	24.48					
15	25-29	Dual		0	0.00					
15	25-29	Former		963	12.14			6.57	96	9.97
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		149	1.78	0	0.00			
15	30-34	Ecig		1822	21.82					
15	30-34	Dual		0	0.00					
15	30-34	Former		972	11.64			8.77	80	8.23
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	2002	22.77					
15	35-39	Dual	0	0.00					
15	35-39	Former	1435	16.32			12.75	66	4.60
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2500	24.81					
15	40-44	Dual	0	0.00					
15	40-44	Former	2056	20.40			15.08	101	4.91
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2318	22.08					
15	45-49	Dual	0	0.00					
15	45-49	Former	2666	25.39			15.45	135	5.06
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1622	16.90					
15	50-54	Dual	0	0.00					
15	50-54	Former	2769	28.84			17.84	99	3.58
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1281	15.08					
15	55-59	Dual	0	0.00					
15	55-59	Former	2694	31.71			16.95	78	2.90
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	852	13.04					
15	60-64	Dual	0	0.00					
15	60-64	Former	2437	37.29			20.18	93	3.82
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	591	10.68					
15	65-69	Dual	0	0.00					
15	65-69	Former	2099	37.93			19.92	68	3.24
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	391	7.43					
15	70-74	Dual	0	0.00					
15	70-74	Former	2002	38.03			22.67	69	3.45
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	297	5.38					
15	75-79	Dual	0	0.00					
15	75-79	Former	2003	36.26			22.91	56	2.80
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	765	0.94	0	0.00			
20	All Ages	Ecig	13785	17.00					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22772	28.09			19.42	1117	4.91
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	65	0.82	0	0.00			
20	30-34	Ecig	1881	23.72					
20	30-34	Dual	0	0.00					
20	30-34	Former	1241	15.65			9.36	130	10.48
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	58	0.69	0	0.00			
20	35-39	Ecig	1717	20.56					
20	35-39	Dual	0	0.00					
20	35-39	Former	1216	14.56			11.38	98	8.06
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	1849	21.03					
20	40-44	Dual	0	0.00					
20	40-44	Former	1691	19.23			15.34	112	6.62
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2327	23.09					
20	45-49	Dual	0	0.00					
20	45-49	Former	2362	23.44			17.71	131	5.55
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	2101	20.01					
20	50-54	Dual	0	0.00					
20	50-54	Former	3019	28.76			18.27	163	5.40
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1433	14.93					
20	55-59	Dual	0	0.00					
20	55-59	Former	3058	31.85			20.88	103	3.37
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	1079	12.70					
20	60-64	Dual	0	0.00					
20	60-64	Former	2991	35.20			19.94	144	4.81
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	645	9.87					
20	65-69	Dual	0	0.00					
20	65-69	Former	2728	41.74			22.72	95	3.48
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	477	8.62					
20	70-74	Dual	0	0.00					
20	70-74	Former	2285	41.29			23.05	69	3.02
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	276	5.24					
20	75-79	Dual	0	0.00					
20	75-79	Former	2181	41.43			25.56	72	3.30
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	340	0.45	0	0.00			
25	All Ages	Ecig	11438	15.09					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	23029	30.37			21.48	914	3.97
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	20	0.25	0	0.00			
25	35-39	Ecig	1567	19.76					
25	35-39	Dual	0	0.00					
25	35-39	Former	1617	20.39			11.52	129	7.98
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	33	0.40	0	0.00			
25	40-44	Ecig	1502	17.99					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1456	17.44			14.00	103	7.07
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5189	59.01					
25	45-49	CC	32	0.36	0	0.00			
25	45-49	Ecig	1627	18.50					
25	45-49	Dual	0	0.00					
25	45-49	Former	1945	22.12			17.95	96	4.94
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5284	52.43					
25	50-54	CC	45	0.45	0	0.00			
25	50-54	Ecig	2059	20.43					
25	50-54	Dual	0	0.00					
25	50-54	Former	2690	26.69			20.17	150	5.58
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5278	50.27					
25	55-59	CC	37	0.35	0	0.00			
25	55-59	Ecig	1773	16.89					
25	55-59	Dual	0	0.00					
25	55-59	Former	3411	32.49			20.84	140	4.10
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	42	0.44	0	0.00			
25	60-64	Ecig	1154	12.02					
25	60-64	Dual	0	0.00					
25	60-64	Former	3386	35.27			23.56	144	4.25
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	41	0.48	0	0.00			
25	65-69	Ecig	844	9.93					
25	65-69	Dual	0	0.00					
25	65-69	Former	3256	38.32			23.12	70	2.15
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	31	0.47	0	0.00			
25	70-74	Ecig	527	8.06					
25	70-74	Dual	0	0.00					
25	70-74	Former	2862	43.79			26.54	42	1.47
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	59	1.07	0	0.00			
25	75-79	Ecig	385	6.96					
25	75-79	Dual	0	0.00					
25	75-79	Former	2406	43.48			26.76	40	1.66
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38326	54.53					
30	All Ages	CC	115	0.16	0	0.00			
30	All Ages	Ecig	9272	13.19					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	22570	32.11			23.81	756	3.35
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	1345	16.96					
30	40-44	Dual	0	0.00					
30	40-44	Former	1853	23.37			14.68	82	4.43
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	1317	15.77					
30	45-49	Dual	0	0.00					
30	45-49	Former	1661	19.89			16.93	71	4.27
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1395	15.86					
30	50-54	Dual	0	0.00					
30	50-54	Former	2200	25.02			20.50	121	5.50
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	1708	16.95					
30	55-59	Dual	0	0.00					
30	55-59	Former	3072	30.48			22.30	140	4.56
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	1428	13.60					
30	60-64	Dual	0	0.00					
30	60-64	Former	3778	35.98			23.52	153	4.05
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	917	9.55					
30	65-69	Dual	0	0.00					
30	65-69	Former	3647	37.99			26.68	75	2.06
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	727	8.56					
30	70-74	Dual	0	0.00					
30	70-74	Former	3392	39.92			27.06	66	1.95
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	435	6.66					
30	75-79	Dual	0	0.00					
30	75-79	Former	2967	45.39			30.49	48	1.62
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	7305	11.46					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	21185	33.23			25.87	616	2.91
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	1146	14.45					
35	45-49	Dual	0	0.00					
35	45-49	Former	2057	25.94			17.95	74	3.60
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	1112	13.32					
35	50-54	Dual	0	0.00					
35	50-54	Former	1876	22.47			19.62	104	5.54
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	1153	13.11					
35	55-59	Dual	0	0.00					
35	55-59	Former	2447	27.83			23.13	98	4.00
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	1378	13.67					
35	60-64	Dual	0	0.00					
35	60-64	Former	3409	33.83			24.79	139	4.08
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	1139	10.85					
35	65-69	Dual	0	0.00					
35	65-69	Former	4075	38.81			26.61	83	2.04
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	789	8.22					
35	70-74	Dual	0	0.00					
35	70-74	Former	3782	39.40			30.61	65	1.72
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	588	6.92					
35	75-79	Dual	0	0.00					
35	75-79	Former	3539	41.65			30.81	53	1.50
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	5391	9.76					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	18991	34.37			27.90	543	2.86
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4726	59.60					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		959	12.09					
40	50-54	Dual		0	0.00					
40	50-54	Former		2245	28.31			21.16	100	4.45
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		5359	64.18					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		897	10.74					
40	55-59	Dual		0	0.00					
40	55-59	Former		2094	25.08			22.27	80	3.82
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5189	59.01					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		886	10.08					
40	60-64	Dual		0	0.00					
40	60-64	Former		2715	30.88			25.52	128	4.71
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		5284	52.43					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		1080	10.72					
40	65-69	Dual		0	0.00					
40	65-69	Former		3711	36.82			27.57	73	1.97
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		5278	50.27					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		957	9.12					
40	70-74	Dual		0	0.00					
40	70-74	Former		4260	40.58			30.32	86	2.02
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

Results for PHIM for Run 2 (Main_Analysis.RTF)

40	75-79	Ecig	612	6.38					
40	75-79	Dual	0	0.00					
40	75-79	Former	3966	41.31			34.05	76	1.92
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	3886	8.51					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	15923	34.88			29.63	351	2.20
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Main_Analysis.RTF)

45	55-59	Never Any	4726	59.60					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	792	9.99					
45	55-59	Dual	0	0.00					
45	55-59	Former	2412	30.42			24.49	64	2.65
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	719	8.61					
45	60-64	Dual	0	0.00					
45	60-64	Former	2272	27.21			25.28	77	3.39
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	694	7.89					
45	65-69	Dual	0	0.00					
45	65-69	Former	2907	33.06			28.66	55	1.89
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	934	9.27					
45	70-74	Dual	0	0.00					
45	70-74	Former	3859	38.29			31.38	76	1.97
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	747	7.11					
45	75-79	Dual	0	0.00					
45	75-79	Former	4473	42.60			33.73	79	1.77
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	2497	7.10					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12092	34.40			31.39	238	1.97
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 2 (Main_Analysis.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	613	7.73					
50	60-64	Dual	0	0.00					
50	60-64	Former	2591	32.67			27.58	77	2.97
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	578	6.92					
50	65-69	Dual	0	0.00					
50	65-69	Former	2413	28.90			28.67	34	1.41
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	583	6.63					
50	70-74	Dual	0	0.00					
50	70-74	Former	3018	34.32			32.48	56	1.86
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	723	7.17					
50	75-79	Dual	0	0.00					
50	75-79	Former	4070	40.38			34.61	71	1.74

Results for PHIM for Run 2 (Main_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	1945986.460	1000264	11.014	33.950	2493.45	808.881	534.263	274.618

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198532	60494.150	60022.454	471.695	0.238	0.780	2829.84	862.271	855.548	6.723
1993	202512	62694.848	61776.738	918.109	0.453	1.464	2845.85	881.034	868.132	12.902
1994	200658	63202.598	61751.785	1450.813	0.723	2.295	2777.87	874.966	854.881	20.085
1995	201023	63766.862	61670.717	2096.145	1.043	3.287	2739.80	869.097	840.528	28.569
1996	201180	64591.163	61718.469	2872.693	1.428	4.448	2706.36	868.908	830.263	38.645
1997	198639	64686.912	61088.629	3598.283	1.811	5.563	2635.18	858.147	810.412	47.735
1998	197573	65295.961	60857.310	4438.651	2.247	6.798	2584.18	854.046	795.990	58.056
1999	211329	67327.521	61593.161	5734.360	2.713	8.517	2726.91	868.771	794.776	73.994
2000	208496	67596.897	60917.212	6679.684	3.204	9.882	2656.96	861.419	776.297	85.122
2001	203606	67008.811	59328.640	7680.170	3.772	11.461	2565.88	844.458	747.671	96.787
2002	200828	67067.744	58272.836	8794.908	4.379	13.113	2506.09	836.925	727.175	109.750
2003	196352	66756.217	56953.992	9802.225	4.992	14.684	2427.31	825.244	704.068	121.176
2004	188160	65058.725	54404.731	10653.99	5.662	16.376	2302.83	796.234	665.843	130.391
2005	186416	65214.724	53412.806	11801.92	6.331	18.097	2256.27	789.321	646.477	142.843
2006	180088	63771.146	51098.360	12672.79	7.037	19.872	2160.67	765.117	613.071	152.046
2007	175644	63110.718	49543.854	13566.86	7.724	21.497	2086.36	749.650	588.498	161.152
2008	177570	63718.624	48858.922	14859.70	8.368	23.321	2086.39	748.674	574.077	174.597
2009	172806	62794.698	47101.532	15693.17	9.081	24.991	2007.57	729.515	547.200	182.315
2010	170489	61917.074	45348.407	16568.67	9.718	26.759	1957.97	711.083	520.801	190.282
2011	170305	61680.114	43937.404	17742.71	10.418	28.766	1937.46	701.700	499.851	201.849
2012	171421	62023.127	42978.209	19044.92	11.110	30.706	1930.22	698.386	483.939	214.448
2013	172699	62037.765	41820.587	20217.18	11.707	32.589	1923.75	691.059	465.853	225.206
2014	174169	61921.017	40417.468	21503.55	12.346	34.727	1918.85	682.195	445.286	236.908
2015	177354	61856.204	39257.952	22598.25	12.742	36.534	2184.51	761.899	483.550	278.348
2016	176853	60464.119	36987.444	23476.67	13.275	38.827	2157.59	737.655	451.243	286.413
2017	179309	60243.839	35585.731	24658.11	13.752	40.931	2166.86	728.017	430.036	297.981
2018	177157	60713.327	34986.207	25727.12	14.522	42.375	2120.51	726.721	418.775	307.946
2019	179227	61148.172	34050.786	27097.39	15.119	44.314	2124.53	724.841	403.633	321.208
2020	180467	61149.317	33100.796	28048.52	15.542	45.869	2424.25	821.432	444.650	376.782
2021	178116	58727.786	30280.704	28447.08	15.971	48.439	2375.42	783.216	403.835	379.381
2022	179408	58848.802	29245.268	29603.53	16.501	50.304	2374.52	778.881	387.069	391.811
2023	180640	58816.149	28199.145	30617.00	16.949	52.055	2372.26	772.407	370.327	402.080
2024	181610	58955.232	27162.218	31793.01	17.506	53.927	2366.77	768.316	353.983	414.333
2025	180418	58297.744	26007.992	32289.75	17.897	55.388	2713.69	876.861	391.188	485.673
2026	180313	56469.971	23968.749	32501.22	18.025	57.555	2701.83	846.150	359.149	487.000
2027	179619	56209.427	22822.059	33387.37	18.588	59.398	2680.68	838.883	340.602	498.281
2028	178762	55733.105	21620.876	34112.23	19.082	61.206	2656.74	828.298	321.327	506.971
2029	177808	55145.838	20403.767	34742.07	19.539	63.000	2630.89	815.951	301.899	514.052
2030	173587	53615.097	19159.325	34455.77	19.849	64.265	3040.33	939.056	335.571	603.485
2031	174985	52046.561	17935.340	34111.22	19.494	65.540	3060.73	910.364	313.713	596.651
2032	173400	51582.636	16946.423	34636.21	19.975	67.147	3027.10	900.496	295.839	604.656
2033	171756	50839.758	15943.578	34896.18	20.317	68.640	2991.14	885.375	277.657	607.717
2034	169973	50215.451	14970.006	35245.45	20.736	70.188	2951.96	872.104	259.988	612.116
2035	162644	47773.075	13853.280	33919.79	20.855	71.002	3459.14	1016.05	294.634	721.412
2036	156254	43298.709	11869.439	31429.27	20.114	72.587	3328.25	922.274	252.822	669.452
2037	153593	42241.563	10908.835	31332.73	20.400	74.175	3274.10	900.450	232.540	667.910
2038	150947	41356.353	10137.398	31218.95	20.682	75.488	3217.50	881.531	216.084	665.447
2039	148373	40161.050	9274.074	30886.98	20.817	76.908	3159.42	855.178	197.479	657.698

Results for PHIM for Run 2 (Main_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1143412.495	437052.7	18.776	27.653	639.078	433.910	313.919	119.991

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.427	93.980	0.207	0.287	647.450	467.274	465.934	1.340
1993	46291	33491.183	33305.336	185.847	0.401	0.555	650.515	470.643	468.031	2.612
1994	47017	34074.347	33772.924	301.424	0.641	0.885	650.895	471.719	467.546	4.173
1995	47840	34694.454	34239.732	454.722	0.951	1.311	652.025	472.861	466.663	6.198
1996	48244	35027.269	34397.689	629.580	1.305	1.797	648.999	471.202	462.732	8.469
1997	49035	35590.763	34752.669	838.093	1.709	2.355	650.506	472.153	461.035	11.118
1998	49686	36100.785	35016.164	1084.620	2.183	3.004	649.874	472.184	457.998	14.186
1999	48883	35451.030	34143.611	1307.418	2.675	3.688	630.769	457.448	440.577	16.870
2000	50331	36447.986	34810.942	1637.044	3.253	4.491	641.392	464.474	443.612	20.862
2001	50389	36411.326	34439.844	1971.482	3.913	5.414	635.012	458.863	434.018	24.845
2002	51445	37078.545	34691.561	2386.984	4.640	6.438	641.972	462.696	432.909	29.787
2003	51408	36999.876	34215.919	2783.956	5.415	7.524	635.509	457.395	422.979	34.415
2004	51399	36861.555	33637.298	3224.257	6.273	8.747	629.057	451.138	411.677	39.461
2005	51421	36689.529	32999.409	3690.119	7.176	10.058	622.370	444.069	399.406	44.663
2006	51355	36504.774	32325.093	4179.681	8.139	11.450	616.150	437.979	387.832	50.147
2007	51839	36663.202	31900.792	4762.410	9.187	12.990	615.761	435.498	378.928	56.570
2008	50976	35898.803	30697.995	5200.808	10.202	14.487	598.952	421.800	360.692	61.108
2009	51193	35934.525	30107.924	5826.602	11.382	16.214	594.733	417.468	349.778	67.690
2010	50853	35502.829	29162.994	6339.836	12.467	17.857	584.018	407.730	334.921	72.809
2011	50509	35136.342	28199.604	6936.738	13.734	19.742	574.613	399.726	320.811	78.915
2012	51245	35450.201	27770.845	7679.356	14.986	21.662	577.023	399.173	312.702	86.470
2013	51069	35123.224	26792.547	8330.677	16.313	23.718	568.874	391.249	298.451	92.798
2014	51251	35079.370	26051.341	9028.029	17.615	25.736	564.641	386.476	287.012	99.463
2015	50443	34324.171	24840.755	9483.416	18.800	27.629	621.319	422.780	305.970	116.810
2016	48854	33054.753	23174.732	9880.021	20.224	29.890	596.013	403.264	282.729	120.535
2017	48325	32471.234	22019.651	10451.58	21.628	32.187	583.983	392.399	266.096	126.304
2018	50465	33657.595	21983.043	11674.55	23.134	34.686	604.052	402.871	262.131	139.741
2019	51036	33863.424	21320.199	12543.23	24.577	37.041	604.975	401.412	252.726	148.685
2020	51444	33910.830	20644.971	13265.86	25.787	39.120	691.053	455.532	277.329	178.203
2021	48037	31531.880	18418.652	13113.23	27.298	41.587	640.639	420.521	245.638	174.883
2022	48335	31560.212	17690.096	13870.12	28.696	43.948	639.727	417.708	234.133	183.575
2023	48599	31508.781	16951.480	14557.30	29.954	46.201	638.227	413.791	222.616	191.175
2024	48784	31517.293	16210.852	15306.44	31.376	48.565	635.757	410.740	211.263	199.477
2025	48477	31175.389	15408.304	15767.08	32.525	50.575	729.141	468.912	231.758	237.154
2026	45324	29044.598	13710.768	15333.83	33.832	52.794	679.138	435.206	205.443	229.763
2027	45107	28825.765	12948.464	15877.30	35.199	55.080	673.191	430.203	193.246	236.957
2028	44842	28513.846	12170.255	16343.59	36.447	57.318	666.430	423.769	180.873	242.896
2029	44539	28148.109	11387.707	16760.40	37.631	59.544	659.013	416.486	168.495	247.991
2030	43393	27314.475	10589.226	16725.25	38.544	61.232	760.018	478.407	185.468	292.939
2031	40748	25423.102	9508.069	15915.03	39.058	62.601	712.731	444.684	166.309	278.375
2032	40325	25085.902	8892.058	16193.84	40.158	64.554	703.969	437.933	155.232	282.701
2033	39882	24645.067	8289.126	16355.94	41.011	66.366	694.543	429.194	144.355	284.839
2034	39404	24239.126	7709.207	16529.92	41.949	68.195	684.347	420.967	133.888	287.079
2035	37454	22944.147	7036.732	15907.41	42.471	69.331	796.588	487.980	149.658	338.322
2036	32988	19950.581	5790.589	14159.99	42.924	70.975	702.663	424.953	123.341	301.612
2037	32403	19415.334	5282.513	14132.82	43.615	72.792	690.731	413.871	112.606	301.265
2038	31820	18939.317	4879.891	14059.43	44.184	74.234	678.257	403.701	104.017	299.684
2039	31251	18379.752	4440.611	13939.14	44.603	75.840	665.457	391.373	94.557	296.816

Results for PHIM for Run 2 (Main_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	3242167	398833.796	199495.584	199338.2	6.148	49.980	890.124	109.498	54.771	54.728

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.645	250.598	0.267	1.979	1335.88	180.485	176.913	3.572
1993	93679	12730.613	12252.269	478.344	0.511	3.757	1316.45	178.900	172.178	6.722
1994	90832	12495.323	11750.260	745.063	0.820	5.963	1257.46	172.983	162.669	10.315
1995	89698	12365.590	11312.560	1053.030	1.174	8.516	1222.52	168.534	154.182	14.352
1996	88286	12290.551	10854.600	1435.951	1.626	11.683	1187.66	165.338	146.021	19.317
1997	84777	11719.531	9989.885	1729.646	2.040	14.759	1124.67	155.473	132.527	22.946
1998	82517	11416.794	9346.031	2070.763	2.509	18.138	1079.29	149.327	122.243	27.085
1999	93939	13028.038	10177.102	2850.936	3.035	21.883	1212.16	168.109	131.322	36.787
2000	90039	12426.299	9243.118	3183.181	3.535	25.616	1147.41	158.354	117.789	40.565
2001	86119	11939.281	8351.446	3587.835	4.166	30.051	1085.29	150.461	105.247	45.215
2002	83014	11528.794	7547.387	3981.407	4.796	34.534	1035.91	143.865	94.182	49.683
2003	79302	11048.407	6769.312	4279.095	5.396	38.730	980.336	136.581	83.683	52.898
2004	73861	10375.132	5895.069	4480.063	6.066	43.181	903.963	126.978	72.148	54.830
2005	71649	10051.029	5297.510	4753.520	6.634	47.294	867.197	121.652	64.118	57.534
2006	67551	9542.523	4614.220	4928.303	7.296	51.646	810.467	114.490	55.361	59.129
2007	63503	8936.533	3972.675	4963.858	7.817	55.546	754.310	106.151	47.189	58.962
2008	63171	8944.180	3646.455	5297.726	8.386	59.231	742.239	105.091	42.845	62.247
2009	59747	8390.033	3157.331	5232.702	8.758	62.368	694.108	97.471	36.680	60.791
2010	58008	8157.570	2817.796	5339.773	9.205	65.458	666.189	93.685	32.361	61.324
2011	57368	8035.356	2526.732	5508.624	9.602	68.555	652.644	91.414	28.745	62.669
2012	57411	7970.766	2271.713	5699.053	9.927	71.499	646.453	89.752	25.580	64.172
2013	57067	7743.216	2027.909	5715.307	10.015	73.811	635.688	86.254	22.590	63.665
2014	57538	7774.935	1850.157	5924.778	10.297	76.204	633.906	85.658	20.384	65.274
2015	58395	7722.535	1705.608	6016.927	10.304	77.914	719.266	95.120	21.008	74.112
2016	58658	7600.353	1527.004	6073.349	10.354	79.909	715.621	92.723	18.629	74.094
2017	59004	7470.266	1373.755	6096.512	10.332	81.610	713.034	90.274	16.601	73.673
2018	56077	6907.050	1161.948	5745.102	10.245	83.177	671.224	82.675	13.908	68.767
2019	55886	6732.046	1043.761	5688.285	10.178	84.496	662.462	79.801	12.373	67.428
2020	55313	6429.836	931.733	5498.102	9.940	85.509	743.037	86.373	12.516	73.857
2021	56292	6562.016	859.600	5702.415	10.130	86.900	750.730	87.513	11.464	76.050
2022	55827	6352.366	772.433	5579.933	9.995	87.840	738.885	84.075	10.223	73.852
2023	55338	6134.123	698.988	5435.136	9.822	88.605	726.728	80.557	9.179	71.377
2024	54770	5922.193	630.685	5291.508	9.661	89.350	713.771	77.179	8.219	68.960
2025	53295	5504.188	558.358	4945.830	9.280	89.856	801.612	82.789	8.398	74.391
2026	55278	5641.075	536.622	5104.454	9.234	90.487	828.283	84.526	8.041	76.485
2027	54199	5426.216	489.706	4936.510	9.108	90.975	808.875	80.982	7.308	73.674
2028	53090	5197.830	445.214	4752.616	8.952	91.435	789.020	77.249	6.617	70.633
2029	51974	4973.547	406.751	4566.796	8.787	91.822	769.023	73.590	6.018	67.571
2030	49479	4450.618	350.673	4099.945	8.286	92.121	866.605	77.952	6.142	71.810
2031	51987	4555.052	347.120	4207.932	8.094	92.379	909.317	79.674	6.072	73.602
2032	50677	4349.999	318.996	4031.003	7.954	92.667	884.689	75.939	5.569	70.371
2033	49380	4147.948	296.451	3851.497	7.800	92.853	859.955	72.237	5.163	67.074
2034	48076	3966.133	275.159	3690.974	7.677	93.062	834.943	68.881	4.779	64.102
2035	44518	3289.064	222.276	3066.788	6.889	93.242	946.825	69.952	4.727	65.225
2036	46347	3313.192	216.323	3096.869	6.682	93.471	987.211	70.572	4.608	65.964
2037	44841	3117.951	198.215	2919.736	6.511	93.643	955.859	66.464	4.225	62.239
2038	43378	2949.775	184.628	2765.147	6.375	93.741	924.621	62.876	3.935	58.940
2039	41973	2766.312	171.425	2594.887	6.182	93.803	893.753	58.905	3.650	55.255

Results for PHIM for Run 2 (Main_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	51393.873	53505.88	3.957	51.007	371.243	28.800	14.110	14.690

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.225	76.899	0.236	2.390	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.071	145.609	0.444	4.513	460.480	45.344	43.297	2.046
1994	33005	3277.266	3045.067	232.199	0.704	7.085	456.915	45.370	42.155	3.215
1995	33730	3309.378	2976.639	332.739	0.986	10.054	459.716	45.104	40.569	4.535
1996	33750	3312.987	2863.115	449.871	1.333	13.579	454.019	44.568	38.516	6.052
1997	33699	3267.066	2703.734	563.332	1.672	17.243	447.056	43.341	35.868	7.473
1998	33274	3178.725	2507.134	671.591	2.018	21.128	435.211	41.577	32.792	8.784
1999	33891	3120.351	2338.538	781.813	2.307	25.055	437.317	40.264	30.176	10.088
2000	33827	3142.808	2228.404	914.404	2.703	29.095	431.074	40.050	28.398	11.653
2001	32506	2961.588	1979.726	981.862	3.021	33.153	409.647	37.323	24.949	12.374
2002	32078	2940.627	1836.883	1103.744	3.441	37.534	400.295	36.695	22.922	13.773
2003	30568	2819.545	1644.379	1175.166	3.844	41.679	377.883	34.855	20.328	14.527
2004	29388	2730.466	1479.270	1251.196	4.258	45.824	359.671	33.417	18.104	15.313
2005	27954	2670.510	1342.312	1328.198	4.751	49.736	338.339	32.322	16.247	16.076
2006	27201	2623.285	1220.899	1402.387	5.156	53.459	326.354	31.474	14.648	16.826
2007	26302	2536.599	1089.111	1447.488	5.503	57.064	312.424	30.131	12.937	17.194
2008	25998	2469.443	980.367	1489.077	5.728	60.300	305.468	29.015	11.519	17.496
2009	25040	2386.945	873.650	1513.295	6.044	63.399	290.901	27.730	10.150	17.581
2010	24840	2329.274	786.008	1543.267	6.213	66.255	285.273	26.750	9.027	17.724
2011	24792	2286.581	706.526	1580.055	6.373	69.101	282.045	26.013	8.038	17.975
2012	24500	2243.311	634.417	1608.894	6.567	71.720	275.872	25.260	7.144	18.116
2013	24451	2176.503	563.638	1612.866	6.596	74.104	272.368	24.245	6.279	17.966
2014	25296	2211.619	525.463	1686.156	6.666	76.241	278.691	24.366	5.789	18.577
2015	26316	2237.016	493.301	1743.715	6.626	77.948	324.141	27.554	6.076	21.478
2016	26735	2229.057	452.970	1776.087	6.643	79.679	326.164	27.194	5.526	21.668
2017	27616	2221.649	417.118	1804.531	6.534	81.225	333.726	26.848	5.041	21.807
2018	25256	1939.420	338.305	1601.115	6.340	82.556	302.304	23.214	4.049	19.165
2019	25429	1904.400	306.072	1598.328	6.285	83.928	301.434	22.574	3.628	18.946
2020	25379	1806.054	271.196	1534.859	6.048	84.984	340.922	24.261	3.643	20.618
2021	25448	1748.172	242.963	1505.209	5.915	86.102	339.386	23.314	3.240	20.074
2022	25539	1701.148	219.987	1481.161	5.800	87.068	338.015	22.515	2.912	19.604
2023	25620	1652.087	200.308	1451.779	5.667	87.875	336.461	21.696	2.631	19.066
2024	25659	1597.127	180.903	1416.224	5.519	88.673	334.391	20.814	2.358	18.457
2025	25260	1467.622	157.696	1309.926	5.186	89.255	379.931	22.075	2.372	19.703
2026	25480	1390.505	141.337	1249.169	4.903	89.836	381.790	20.835	2.118	18.718
2027	25264	1342.095	128.856	1213.239	4.802	90.399	377.042	20.030	1.923	18.107
2028	25022	1289.536	117.622	1171.914	4.684	90.879	371.879	19.165	1.748	17.417
2029	24767	1242.216	107.730	1134.486	4.581	91.328	366.459	18.380	1.594	16.786
2030	23959	1096.803	90.911	1005.892	4.198	91.711	419.641	19.210	1.592	17.618
2031	23963	1019.991	81.416	938.575	3.917	92.018	419.142	17.841	1.424	16.417
2032	23615	977.406	74.813	902.593	3.822	92.346	412.259	17.063	1.306	15.757
2033	23259	937.450	69.681	867.768	3.731	92.567	405.051	16.326	1.213	15.112
2034	22879	900.763	64.722	836.041	3.654	92.815	397.339	15.644	1.124	14.520
2035	21733	745.023	51.968	693.055	3.189	93.025	462.224	15.845	1.105	14.740
2036	20904	680.360	45.611	634.749	3.036	93.296	445.263	14.492	0.972	13.520
2037	20397	644.109	42.149	601.960	2.951	93.456	434.791	13.730	0.898	12.832
2038	19890	612.448	39.375	573.073	2.881	93.571	423.966	13.055	0.839	12.215
2039	19392	577.529	36.715	540.815	2.789	93.643	412.930	12.298	0.782	11.516

Results for PHIM for Run 2 (Main_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	551684.508	310366.7	14.369	36.003	593.003	236.673	151.463	85.210

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.157	50.218	0.187	0.424	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.062	108.309	0.364	0.818	418.406	186.148	184.626	1.522
1994	29804	13355.662	13183.534	172.127	0.578	1.289	412.601	184.893	182.511	2.383
1995	29755	13397.439	13141.785	255.654	0.859	1.908	405.540	182.598	179.113	3.484
1996	30900	13960.356	13603.065	357.291	1.156	2.559	415.680	187.801	182.994	4.806
1997	31128	14109.552	13642.341	467.211	1.501	3.311	412.949	187.180	180.981	6.198
1998	32096	14599.657	13987.980	611.677	1.906	4.190	419.803	190.958	182.957	8.000
1999	34616	15728.102	14933.909	794.193	2.294	5.050	446.673	202.950	192.702	10.248
2000	34299	15579.803	14634.748	945.056	2.755	6.066	437.088	198.541	186.498	12.043
2001	34592	15696.614	14557.623	1138.991	3.293	7.256	435.935	197.812	183.458	14.354
2002	34291	15519.777	14197.005	1322.773	3.857	8.523	427.910	193.668	177.162	16.507
2003	35074	15888.389	14324.381	1564.008	4.459	9.844	433.587	196.413	177.079	19.334
2004	33512	15091.573	13393.094	1698.478	5.068	11.254	410.143	184.701	163.914	20.787
2005	35392	15803.656	13773.575	2030.081	5.736	12.846	428.364	191.278	166.707	24.571
2006	33981	15100.563	12938.149	2162.415	6.364	14.320	407.699	181.174	155.230	25.944
2007	34000	14974.384	12581.276	2393.108	7.039	15.981	403.863	177.871	149.445	28.426
2008	37425	16406.197	13534.105	2872.092	7.674	17.506	439.732	192.768	159.021	33.746
2009	36826	16083.194	12962.627	3120.567	8.474	19.403	427.825	186.846	150.593	36.253
2010	36788	15927.400	12581.609	3345.791	9.095	21.007	422.489	182.917	144.493	38.425
2011	37636	16221.836	12504.543	3717.293	9.877	22.915	428.164	184.547	142.257	42.290
2012	38265	16358.849	12301.235	4057.615	10.604	24.804	430.867	184.202	138.513	45.689
2013	40112	16994.822	12436.493	4558.329	11.364	26.822	446.821	189.311	138.534	50.777
2014	40084	16855.093	11990.508	4864.585	12.136	28.861	441.613	185.696	132.102	53.594
2015	42200	17572.483	12218.289	5354.194	12.688	30.469	519.788	216.445	150.496	65.949
2016	42606	17579.955	11832.738	5747.218	13.489	32.692	519.788	214.473	144.358	70.115
2017	44364	18080.688	11775.207	6305.481	14.213	34.874	536.117	218.496	142.297	76.199
2018	45359	18209.262	11502.911	6706.351	14.785	36.829	542.932	217.960	137.686	80.273
2019	46876	18648.302	11380.754	7267.548	15.504	38.972	555.657	221.054	134.906	86.148
2020	48331	19002.597	11252.896	7749.701	16.035	40.782	649.239	255.266	151.163	104.103
2021	48338	18885.717	10759.489	8126.229	16.811	43.028	644.660	251.867	143.493	108.374
2022	49708	19235.076	10562.751	8672.325	17.447	45.086	657.895	254.582	139.801	114.781
2023	51083	19521.158	10348.370	9172.788	17.957	46.989	670.849	256.363	135.901	120.462
2024	52397	19918.620	10139.779	9778.841	18.663	49.094	682.854	259.583	132.144	127.440
2025	53387	20150.545	9883.634	10266.91	19.231	50.951	803.004	303.086	148.661	154.425
2026	54232	20393.792	9580.022	10813.77	19.940	53.025	812.615	305.582	143.548	162.034
2027	55049	20615.351	9255.033	11360.32	20.637	55.106	821.568	307.668	138.124	169.544
2028	55809	20731.894	8887.786	11844.11	21.223	57.130	829.419	308.115	132.089	176.026
2029	56527	20781.967	8501.578	12280.39	21.725	59.092	836.392	307.495	125.791	181.704
2030	56756	20753.201	8128.515	12624.69	22.244	60.832	994.067	363.487	142.369	221.118
2031	58288	21048.417	7998.735	13049.68	22.388	61.998	1019.54	368.165	139.909	228.256
2032	58782	21169.329	7660.556	13508.77	22.981	63.813	1026.18	369.560	133.733	235.827
2033	59236	21109.293	7288.320	13820.97	23.332	65.473	1031.59	367.618	126.926	240.692
2034	59614	21109.429	6920.918	14188.51	23.801	67.214	1035.33	366.613	120.197	246.415
2035	58938	20794.840	6542.303	14252.54	24.182	68.539	1253.51	442.268	139.143	303.125
2036	56014	19354.577	5816.916	13537.66	24.168	69.946	1193.11	412.258	123.902	288.356
2037	55953	19064.169	5385.959	13678.21	24.446	71.748	1192.72	406.385	114.811	291.574
2038	55859	18854.812	5033.504	13821.31	24.743	73.304	1190.66	401.900	107.292	294.608
2039	55757	18437.457	4625.323	13812.13	24.772	74.913	1187.28	392.602	98.490	294.111

Results for PHIM for Run 2 (Main_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9148407	2946250.006	1954823.387	991426.6	10.837	33.650	2499.62	808.881	534.116	274.766

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198533	60494.150	60022.679	471.471	0.237	0.779	2829.84	862.271	855.549	6.722
1993	202515	62694.848	61777.616	917.231	0.453	1.463	2845.86	881.034	868.136	12.898
1994	200665	63202.598	61753.940	1448.657	0.722	2.292	2777.91	874.966	854.892	20.074
1995	201036	63766.862	61674.857	2092.005	1.041	3.281	2739.86	869.097	840.549	28.548
1996	201202	64591.163	61725.514	2865.648	1.424	4.437	2706.47	868.908	830.299	38.609
1997	198673	64686.912	61099.550	3587.362	1.806	5.546	2635.34	858.147	810.467	47.680
1998	197623	65295.961	60873.258	4422.704	2.238	6.773	2584.42	854.046	796.072	57.975
1999	211404	67327.521	61615.666	5711.855	2.702	8.484	2727.28	868.771	794.892	73.878
2000	208596	67596.897	60947.459	6649.437	3.188	9.837	2657.45	861.419	776.453	84.967
2001	203735	67008.811	59367.234	7641.577	3.751	11.404	2566.52	844.458	747.870	96.588
2002	200990	67067.744	58321.004	8746.739	4.352	13.042	2506.90	836.925	727.423	109.501
2003	196550	66756.217	57012.856	9743.361	4.957	14.595	2428.31	825.244	704.374	120.870
2004	188394	65058.725	54473.689	10585.04	5.619	16.270	2304.02	796.234	666.202	130.032
2005	186694	65214.724	53493.802	11720.92	6.278	17.973	2257.67	789.321	646.897	142.424
2006	180406	63771.146	51190.155	12580.99	6.974	19.728	2162.28	765.117	613.547	151.571
2007	176006	63110.718	49647.768	13462.95	7.649	21.332	2088.19	749.650	589.036	160.615
2008	177993	63718.624	48977.494	14741.13	8.282	23.135	2088.52	748.674	574.689	173.984
2009	173277	62794.698	47232.424	15562.27	8.981	24.783	2009.93	729.515	547.872	181.643
2010	171016	61917.074	45491.241	16425.83	9.605	26.529	1960.59	711.083	521.529	189.554
2011	170895	61680.114	44092.757	17587.36	10.291	28.514	1940.38	701.700	500.638	201.062
2012	172084	62023.127	43148.010	18875.12	10.969	30.432	1933.47	698.386	484.794	213.593
2013	173443	62037.765	42004.473	20033.29	11.550	32.292	1927.38	691.059	466.773	224.285
2014	174998	61921.017	40614.209	21306.81	12.175	34.410	1922.86	682.195	446.264	235.931
2015	178288	61856.204	39469.169	22387.04	12.557	36.192	2188.82	761.899	484.560	277.338
2016	177872	60464.119	37205.628	23258.49	13.076	38.467	2162.26	737.655	452.279	285.376
2017	180440	60243.839	35815.740	24428.10	13.538	40.549	2172.04	728.017	431.129	296.887
2018	178377	60713.327	35233.084	25480.24	14.284	41.968	2126.10	726.721	419.948	306.772
2019	180571	61148.172	34312.773	26835.40	14.861	43.886	2130.69	724.841	404.883	319.959
2020	181943	61149.317	33378.065	27771.25	15.264	45.415	2430.54	821.432	445.892	375.541
2021	179686	58727.786	30554.645	28173.14	15.679	47.972	2382.11	783.216	405.065	378.151
2022	181110	58848.802	29530.122	29318.68	16.188	49.820	2381.81	778.881	388.355	390.525
2023	182478	58816.149	28494.241	30321.91	16.617	51.554	2380.17	772.407	371.667	400.740
2024	183588	58955.232	27466.918	31488.31	17.152	53.411	2375.32	768.316	355.376	412.940
2025	182536	58297.744	26321.127	31976.62	17.518	54.851	2721.85	876.861	392.483	484.378
2026	182579	56469.971	24279.267	32190.70	17.631	57.005	2710.80	846.150	360.480	485.669
2027	182020	56209.427	23137.418	33072.01	18.169	58.837	2690.34	838.883	341.983	496.900
2028	181299	55733.105	21938.573	33794.53	18.640	60.636	2667.13	828.298	322.744	505.555
2029	180482	55145.838	20722.296	34423.54	19.073	62.423	2642.03	815.951	303.348	512.602
2030	176388	53615.097	19478.584	34136.51	19.353	63.670	3050.43	939.056	336.860	602.196
2031	177997	52046.561	18256.129	33790.43	18.984	64.923	3072.27	910.364	315.105	595.258
2032	176549	51582.636	17267.357	34315.28	19.437	66.525	3039.56	900.496	297.283	603.213
2033	175044	50839.758	16262.688	34577.07	19.753	68.012	3004.54	885.375	279.141	606.234
2034	173393	50215.451	15286.085	34929.37	20.145	69.559	2966.30	872.104	261.504	610.600
2035	166157	47773.075	14165.206	33607.87	20.227	70.349	3471.86	1016.05	295.983	720.062
2036	159795	43298.709	12150.966	31147.74	19.492	71.937	3341.66	922.274	254.104	668.170
2037	157227	42241.563	11179.493	31062.07	19.756	73.534	3288.45	900.450	233.822	666.628
2038	154669	41356.353	10400.445	30955.91	20.014	74.852	3232.78	881.531	217.383	664.148
2039	152181	40161.050	9524.869	30636.18	20.131	76.283	3175.61	855.178	198.759	656.419

Results for PHIM for Run 2 (Main_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2343934	1580465.217	1148450.411	432014.8	18.431	27.335	640.432	433.910	313.791	120.120

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.550	93.857	0.207	0.286	647.451	467.274	465.935	1.339
1993	46292	33491.183	33305.813	185.370	0.400	0.553	650.518	470.643	468.033	2.609
1994	47019	34074.347	33774.114	300.233	0.639	0.881	650.904	471.719	467.553	4.167
1995	47843	34694.454	34242.053	452.401	0.946	1.304	652.042	472.861	466.675	6.186
1996	48250	35027.269	34401.657	625.612	1.297	1.786	649.027	471.202	462.753	8.449
1997	49044	35590.763	34758.927	831.836	1.696	2.337	650.551	472.153	461.066	11.086
1998	49699	36100.785	35025.397	1075.388	2.164	2.979	649.940	472.184	458.046	14.139
1999	48901	35451.030	34156.135	1294.894	2.648	3.653	630.861	457.448	440.642	16.806
2000	50356	36447.986	34828.291	1619.695	3.216	4.444	641.520	464.474	443.702	20.772
2001	50422	36411.326	34462.282	1949.045	3.865	5.353	635.180	458.863	434.134	24.729
2002	51487	37078.545	34720.291	2358.254	4.580	6.360	642.190	462.696	433.058	29.638
2003	51461	36999.876	34251.317	2748.559	5.341	7.429	635.782	457.395	423.163	34.232
2004	51464	36861.555	33679.922	3181.633	6.182	8.631	629.391	451.138	411.899	39.239
2005	51498	36689.529	33049.362	3640.167	7.069	9.922	622.765	444.069	399.664	44.405
2006	51446	36504.774	32382.996	4121.778	8.012	11.291	616.615	437.979	388.131	49.848
2007	51946	36663.202	31967.477	4695.725	9.040	12.808	616.306	435.498	379.272	56.226
2008	51098	35898.803	30772.110	5126.693	10.033	14.281	599.566	421.800	361.072	60.728
2009	51333	35934.525	30191.194	5743.331	11.188	15.983	595.432	417.468	350.202	67.266
2010	51010	35502.829	29254.342	6248.488	12.250	17.600	584.795	407.730	335.383	72.347
2011	50684	35136.342	28298.729	6837.613	13.491	19.460	575.471	399.726	321.309	78.417
2012	51443	35450.201	27879.940	7570.261	14.716	21.355	577.989	399.173	313.248	85.925
2013	51288	35123.224	26909.619	8213.605	16.015	23.385	569.935	391.249	299.032	92.217
2014	51494	35079.370	26177.440	8901.930	17.287	25.377	565.810	386.476	287.635	98.841
2015	50707	34324.171	24973.591	9350.579	18.440	27.242	622.527	422.780	306.599	116.180
2016	49134	33054.753	23310.695	9744.057	19.832	29.479	597.284	403.264	283.370	119.894
2017	48628	32471.234	22161.218	10310.02	21.202	31.751	585.360	392.399	266.674	125.635
2018	50809	33657.595	22136.895	11520.70	22.674	34.229	605.601	402.871	263.853	139.019
2019	51414	33863.424	21482.826	12380.60	24.080	36.560	606.676	401.412	253.492	147.920
2020	51858	33910.830	20816.314	13094.52	25.251	38.615	692.762	455.532	278.081	177.450
2021	48455	31531.880	18583.832	12948.05	26.722	41.063	642.374	420.521	246.367	174.154
2022	48787	31560.212	17860.891	13699.32	28.080	43.407	641.609	417.708	234.891	182.817
2023	49087	31508.781	17127.298	14381.48	29.298	45.643	640.264	413.791	223.401	190.390
2024	49307	31517.293	16391.065	15126.23	30.678	47.993	637.953	410.740	212.073	198.667
2025	49036	31175.389	15592.140	15583.25	31.779	49.986	731.193	468.912	232.499	236.412
2026	45887	29044.598	13886.873	15157.72	33.033	52.188	681.289	435.206	206.182	229.024
2027	45702	28825.765	13125.800	15699.96	34.353	54.465	675.504	430.203	194.006	236.197
2028	45469	28513.846	12347.422	16166.42	35.554	56.697	668.912	423.769	181.646	242.123
2029	45200	28148.109	11563.755	16584.35	36.691	58.918	661.667	416.486	169.279	247.207
2030	44083	27314.475	10764.030	16550.45	37.544	60.592	762.366	478.407	186.152	292.255
2031	41442	25423.102	9676.647	15746.45	37.996	61.938	715.304	444.684	167.021	277.662
2032	41050	25085.902	9058.840	16027.06	39.043	63.889	706.733	437.933	155.961	281.972
2033	40636	24645.067	8453.303	16191.76	39.845	65.700	697.504	429.194	145.097	284.097
2034	40188	24239.126	7870.133	16368.99	40.731	67.531	687.502	420.967	134.637	286.330
2035	38255	22944.147	7193.640	15750.51	41.172	68.647	799.343	487.980	150.312	337.668
2036	33726	19950.581	5926.294	14024.29	41.583	70.295	705.291	424.953	123.932	301.021
2037	33159	19415.334	5411.787	14003.55	42.232	72.126	693.530	413.871	113.189	300.682
2038	32593	18939.317	5004.607	13934.71	42.754	73.576	681.227	403.701	104.603	299.098
2039	32040	18379.752	4558.672	13821.08	43.137	75.197	668.593	391.373	95.127	296.246

Results for PHIM for Run 2 (Main_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	3261640	398833.796	199770.684	199063.1	6.103	49.911	891.176	109.498	54.583	54.915

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	0.000
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	1.306
1992	93721	12662.244	12411.692	250.552	0.267	1.979	1335.88	180.485	3.572
1993	93680	12730.613	12252.443	478.170	0.510	3.756	1316.45	178.900	6.721
1994	90835	12495.323	11750.669	744.654	0.820	5.959	1257.48	172.983	10.312
1995	89704	12365.590	11313.321	1052.269	1.173	8.510	1222.55	168.534	14.348
1996	88296	12290.551	10855.838	1434.714	1.625	11.673	1187.71	165.338	19.311
1997	84792	11719.531	9991.683	1727.848	2.038	14.743	1124.73	155.473	22.937
1998	82538	11416.794	9348.504	2068.291	2.506	18.116	1079.39	149.327	27.072
1999	93972	13028.038	10180.868	2847.170	3.030	21.854	1212.32	168.109	36.768
2000	90082	12426.299	9247.769	3178.530	3.528	25.579	1147.62	158.354	40.540
2001	86173	11939.281	8356.945	3582.336	4.157	30.005	1085.55	150.461	45.186
2002	83080	11528.794	7553.679	3975.115	4.785	34.480	1036.24	143.865	49.650
2003	79382	11048.407	6776.349	4272.058	5.382	38.667	980.731	136.581	52.862
2004	73952	10375.132	5902.554	4472.577	6.048	43.109	904.420	126.978	54.791
2005	71755	10051.029	5305.549	4745.481	6.613	47.214	867.730	121.652	57.492
2006	67670	9542.523	4622.475	4920.048	7.271	51.559	811.063	114.490	59.087
2007	63633	8936.533	3980.938	4955.595	7.788	55.453	754.960	106.151	58.920
2008	63320	8944.180	3655.167	5289.013	8.353	59.134	742.981	105.091	62.203
2009	59909	8390.033	3165.961	5224.073	8.720	62.265	694.908	97.471	60.747
2010	58185	8157.570	2826.488	5331.081	9.162	65.351	667.060	93.685	61.281
2011	57565	8035.356	2535.443	5499.912	9.554	68.446	653.604	91.414	62.626
2012	57630	7970.766	2280.366	5690.399	9.874	71.391	647.510	89.752	64.130
2013	57310	7743.216	2036.461	5706.755	9.958	73.700	636.855	86.254	63.624
2014	57808	7774.935	1858.730	5916.205	10.234	76.093	635.189	85.658	65.234
2015	58698	7722.535	1714.316	6008.219	10.236	77.801	720.628	95.120	74.074
2016	58991	7600.353	1535.501	6064.852	10.281	79.797	717.111	92.723	74.058
2017	59370	7470.266	1382.058	6088.208	10.255	81.499	714.666	90.274	73.638
2018	56456	6907.050	1169.537	5737.513	10.163	83.067	672.908	82.675	68.735
2019	56297	6732.046	1051.133	5680.914	10.091	84.386	664.292	79.801	67.398
2020	55758	6429.836	938.891	5490.944	9.848	85.398	744.863	86.373	73.831
2021	56777	6562.016	866.607	5695.408	10.031	86.794	752.699	87.513	76.025
2022	56344	6352.366	779.157	5573.209	9.891	87.734	740.994	84.075	73.829
2023	55888	6134.123	705.465	5428.658	9.713	88.499	728.982	80.557	71.355
2024	55353	5922.193	636.884	5285.309	9.548	89.246	716.170	77.179	68.939
2025	53908	5504.188	564.314	4939.873	9.163	89.748	803.846	82.789	74.374
2026	55953	5641.075	542.669	5098.406	9.112	90.380	830.754	84.526	76.469
2027	54903	5426.216	495.543	4930.673	8.981	90.868	811.493	80.982	73.658
2028	53822	5197.830	450.788	4747.042	8.820	91.327	791.789	77.249	70.618
2029	52733	4973.547	412.095	4561.452	8.650	91.714	771.943	73.590	67.557
2030	50258	4450.618	355.747	4094.871	8.148	92.007	869.160	77.952	71.799
2031	52852	4555.052	352.379	4202.674	7.952	92.264	912.245	79.674	73.592
2032	51566	4349.999	324.041	4025.959	7.807	92.551	887.792	75.939	70.361
2033	50292	4147.948	301.349	3846.599	7.649	92.735	863.234	72.237	67.064
2034	49008	3966.133	279.883	3686.250	7.522	92.943	838.389	68.881	64.093
2035	45453	3289.064	226.646	3062.418	6.738	93.109	949.745	69.952	65.217
2036	47364	3313.192	220.698	3092.494	6.529	93.339	990.481	70.572	65.957
2037	45866	3117.951	202.340	2915.612	6.357	93.510	959.290	66.464	62.232
2038	44409	2949.775	188.587	2761.187	6.218	93.607	928.206	62.876	58.934
2039	43009	2766.312	175.195	2591.118	6.025	93.667	897.481	58.905	55.249

Results for PHIM for Run 2 (Main_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1361482	104899.750	51457.219	53442.53	3.925	50.946	371.997	28.800	14.060	14.740

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.236	76.889	0.236	2.389	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.112	145.569	0.444	4.511	460.482	45.344	43.298	2.046
1994	33006	3277.266	3045.164	232.102	0.703	7.082	456.920	45.370	42.156	3.214
1995	33732	3309.378	2976.822	332.557	0.986	10.049	459.725	45.104	40.570	4.534
1996	33754	3312.987	2863.411	449.575	1.332	13.570	454.035	44.568	38.517	6.051
1997	33705	3267.066	2704.171	562.895	1.670	17.229	447.080	43.341	35.870	7.471
1998	33282	3178.725	2507.729	670.996	2.016	21.109	435.246	41.577	32.795	8.782
1999	33902	3120.351	2339.308	781.043	2.304	25.031	437.368	40.264	30.179	10.085
2000	33842	3142.808	2229.393	913.415	2.699	29.064	431.143	40.050	28.402	11.648
2001	32525	2961.588	1980.871	980.718	3.015	33.115	409.735	37.323	24.954	12.369
2002	32103	2940.627	1838.210	1102.418	3.434	37.489	400.409	36.695	22.928	13.768
2003	30598	2819.545	1645.842	1173.703	3.836	41.627	378.021	34.855	20.334	14.522
2004	29423	2730.466	1480.857	1249.609	4.247	45.765	359.838	33.417	18.111	15.307
2005	27994	2670.510	1344.000	1326.510	4.739	49.673	338.529	32.322	16.253	16.069
2006	27247	2623.285	1222.709	1400.576	5.140	53.390	326.577	31.474	14.655	16.819
2007	26354	2536.599	1090.972	1445.628	5.485	56.991	312.675	30.131	12.944	17.187
2008	26058	2469.443	982.288	1487.156	5.707	60.222	305.757	29.015	11.526	17.489
2009	25106	2386.945	875.597	1511.348	6.020	63.317	291.220	27.730	10.156	17.574
2010	24915	2329.274	787.985	1541.289	6.186	66.170	285.632	26.750	9.034	17.717
2011	24876	2286.581	708.512	1578.069	6.344	69.014	282.447	26.013	8.045	17.969
2012	24593	2243.311	636.382	1606.929	6.534	71.632	276.315	25.260	7.150	18.110
2013	24554	2176.503	565.569	1610.934	6.561	74.015	272.859	24.245	6.285	17.960
2014	25415	2211.619	527.451	1684.168	6.627	76.151	279.253	24.366	5.796	18.570
2015	26453	2237.016	495.368	1741.648	6.584	77.856	324.759	27.554	6.082	21.472
2016	26887	2229.057	455.049	1774.008	6.598	79.586	326.848	27.194	5.532	21.663
2017	27789	2221.649	419.226	1802.423	6.486	81.130	334.505	26.848	5.046	21.801
2018	25429	1939.420	340.180	1599.240	6.289	82.460	303.090	23.214	4.055	19.160
2019	25619	1904.400	307.909	1596.490	6.232	83.832	302.300	22.574	3.633	18.941
2020	25587	1806.054	272.988	1533.066	5.992	84.885	341.810	24.261	3.647	20.614
2021	25674	1748.172	244.707	1503.466	5.856	86.002	340.366	23.314	3.244	20.070
2022	25783	1701.148	221.681	1479.467	5.738	86.969	339.077	22.515	2.915	19.600
2023	25883	1652.087	201.955	1450.131	5.603	87.776	337.609	21.696	2.634	19.062
2024	25941	1597.127	182.484	1414.642	5.453	88.574	335.627	20.814	2.361	18.453
2025	25560	1467.622	159.217	1308.405	5.119	89.151	381.129	22.075	2.374	19.700
2026	25804	1390.505	142.800	1247.705	4.835	89.730	383.124	20.835	2.120	18.715
2027	25606	1342.095	130.268	1211.827	4.733	90.294	378.470	20.030	1.925	18.104
2028	25382	1289.536	118.979	1170.557	4.612	90.774	373.396	19.165	1.750	17.415
2029	25145	1242.216	109.037	1133.179	4.507	91.222	368.085	18.380	1.596	16.784
2030	24353	1096.803	92.145	1004.658	4.125	91.599	421.149	19.210	1.594	17.617
2031	24381	1019.991	82.579	937.411	3.845	91.904	420.823	17.841	1.425	16.416
2032	24050	977.406	75.928	901.478	3.748	92.232	414.064	17.063	1.307	15.756
2033	23711	937.450	70.767	866.682	3.655	92.451	406.982	16.326	1.215	15.111
2034	23346	900.763	65.771	834.992	3.577	92.698	399.394	15.644	1.125	14.519
2035	22211	745.023	52.933	692.090	3.116	92.895	464.092	15.845	1.106	14.739
2036	21387	680.360	46.480	633.880	2.964	93.168	447.244	14.492	0.972	13.520
2037	20889	644.109	42.974	601.136	2.878	93.328	436.896	13.730	0.899	12.831
2038	20391	612.448	40.165	572.283	2.807	93.442	426.194	13.055	0.840	12.215
2039	19901	577.529	37.467	540.062	2.714	93.512	415.275	12.298	0.782	11.516

Results for PHIM for Run 2 (Main_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2181351	862051.244	555145.073	306906.2	14.070	35.602	596.010	236.673	151.682	84.991

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.201	50.173	0.187	0.424	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.248	108.123	0.363	0.816	418.408	186.148	184.627	1.521
1994	29805	13355.662	13183.994	171.668	0.576	1.285	412.606	184.893	182.513	2.381
1995	29757	13397.439	13142.661	254.778	0.856	1.902	405.549	182.598	179.118	3.480
1996	30903	13960.356	13604.608	355.748	1.151	2.548	415.697	187.801	183.002	4.799
1997	31133	14109.552	13644.769	464.783	1.493	3.294	412.976	187.180	180.994	6.186
1998	32104	14599.657	13991.628	608.029	1.894	4.165	419.844	190.958	182.976	7.982
1999	34628	15728.102	14939.356	788.747	2.278	5.015	446.736	202.950	192.730	10.220
2000	34316	15579.803	14642.006	937.797	2.733	6.019	437.174	198.541	186.535	12.006
2001	34614	15696.614	14567.136	1129.478	3.263	7.196	436.050	197.812	183.507	14.304
2002	34319	15519.777	14208.824	1310.953	3.820	8.447	428.057	193.668	177.223	16.445
2003	35110	15888.389	14339.348	1549.041	4.412	9.750	433.777	196.413	177.158	19.256
2004	33555	15091.573	13410.356	1681.217	5.010	11.140	410.370	184.701	164.006	20.695
2005	35446	15803.656	13794.891	2008.765	5.667	12.711	428.650	191.278	166.821	24.458
2006	34043	15100.563	12961.975	2138.589	6.282	14.162	408.027	181.174	155.358	25.817
2007	34073	14974.384	12608.381	2366.003	6.944	15.800	404.246	177.871	149.590	28.281
2008	37518	16406.197	13567.928	2838.269	7.565	17.300	440.221	192.768	159.203	33.565
2009	36930	16083.194	12999.672	3083.522	8.350	19.172	428.368	186.846	150.790	36.056
2010	36906	15927.400	12622.425	3304.975	8.955	20.750	423.101	182.917	144.708	38.209
2011	37771	16221.836	12550.073	3671.762	9.721	22.635	428.860	184.547	142.496	42.051
2012	38419	16358.849	12351.321	4007.528	10.431	24.498	431.655	184.202	138.774	45.428
2013	40291	16994.822	12492.823	4501.999	11.174	26.490	447.732	189.311	138.826	50.485
2014	40282	16855.093	12050.588	4804.505	11.927	28.505	442.609	185.696	132.410	53.285
2015	42430	17572.483	12285.894	5286.589	12.460	30.084	520.910	216.445	150.833	65.612
2016	42860	17579.955	11904.383	5675.573	13.242	32.284	521.011	214.473	144.712	69.761
2017	44653	18080.688	11853.238	6227.451	13.946	34.443	537.504	218.496	142.682	75.814
2018	45683	18209.262	11586.472	6622.790	14.497	36.370	544.501	217.960	138.101	79.859
2019	47240	18648.302	11470.906	7177.396	15.193	38.488	557.422	221.054	135.354	85.700
2020	48740	19002.597	11349.872	7652.725	15.701	40.272	651.104	255.266	151.621	103.645
2021	48780	18885.717	10859.498	8026.219	16.454	42.499	646.673	251.867	143.965	107.902
2022	50195	19235.076	10668.394	8566.682	17.067	44.537	660.126	254.582	140.302	114.280
2023	51620	19521.158	10459.522	9061.636	17.554	46.420	673.315	256.363	136.430	119.933
2024	52987	19918.620	10256.485	9662.135	18.235	48.508	685.568	259.583	132.702	126.882
2025	54032	20150.545	10005.456	10145.09	18.776	50.346	805.685	303.086	149.195	153.891
2026	54935	20393.792	9706.924	10686.87	19.454	52.403	815.636	305.582	144.121	161.461
2027	55808	20615.351	9385.807	11229.54	20.122	54.472	824.877	307.668	138.727	168.941
2028	56626	20731.894	9021.384	11710.51	20.681	56.485	833.037	308.115	132.716	175.399
2029	57405	20781.967	8637.409	12144.56	21.156	58.438	840.335	307.495	126.441	181.054
2030	57694	20753.201	8266.662	12486.54	21.643	60.167	997.750	363.487	142.963	220.525
2031	59321	21048.417	8144.524	12903.89	21.753	61.306	1023.90	368.165	140.577	227.588
2032	59883	21169.329	7808.549	13360.78	22.312	63.114	1030.97	369.560	134.436	235.125
2033	60405	21109.293	7437.269	13672.02	22.634	64.768	1036.82	367.618	127.657	239.961
2034	60852	21109.429	7070.298	14039.13	23.071	66.506	1041.01	366.613	120.954	245.659
2035	60238	20794.840	6691.987	14102.85	23.412	67.819	1258.68	442.268	139.830	302.438
2036	57318	19354.577	5957.494	13397.08	23.373	69.219	1198.65	412.258	124.585	287.673
2037	57314	19064.169	5522.393	13541.78	23.627	71.033	1198.73	406.385	115.502	290.883
2038	57277	18854.812	5167.085	13687.73	23.898	72.595	1197.15	401.900	107.999	293.901
2039	57231	18437.457	4753.536	13683.92	23.910	74.218	1194.27	392.602	99.194	293.408

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

Estimated Loss of Life from the E Component for Run: 2, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	24844842.920	17248705.0
	Female	2039	23817891.273	14841321.981	8976569.29
Lung cancer	Males	2039	18222549.860	13673132.793	4549417.07
	Female	2039	12512468.845	8943697.068	3568771.78
IHD	Males	2039	15635992.616	6388971.725	9247020.89
	Female	2039	4798769.065	2031004.418	2767764.65
Stroke	Males	2039	2389546.238	1130931.546	1258614.69
	Female	2039	1665361.569	838551.181	826810.388
COPD	Males	2039	5845459.234	3651806.856	2193652.38
	Female	2039	4841291.793	3028069.314	1813222.48

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	24944049.345	17149498.6
	Female	2039	23817891.273	14878472.973	8939418.30
Lung cancer	Males	2039	18222549.860	13734071.508	4488478.35
	Female	2039	12512468.845	8966835.101	3545633.74
IHD	Males	2039	15635992.616	6400411.543	9235581.07
	Female	2039	4798769.065	2032897.444	2765871.62
Stroke	Males	2039	2389546.238	1133120.630	1256425.61
	Female	2039	1665361.569	839227.001	826134.569
COPD	Males	2039	5845459.234	3676445.664	2169013.57
	Female	2039	4841291.793	3039513.428	1801778.37

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798434.278	32249.553
		1993	5076567.803	5000945.334	75622.469
		1994	6292145.526	6149972.450	142173.076
		1995	7485537.010	7250147.137	235389.872
		1996	8655955.028	8299455.316	356499.712
		1997	9791729.713	9287416.800	504312.913
		1998	10899134.186	10221705.069	677429.116
		1999	12070409.674	11161557.359	908852.316
		2000	13231384.595	12060869.628	1170514.97
		2001	14371761.018	12909860.896	1461900.12
		2002	15508906.386	13721118.233	1787788.15
		2003	16638100.422	14494953.295	2143147.13
		2004	17736465.088	15221016.767	2515448.32
		2005	18834658.606	15920770.426	2913888.18
		2006	19909100.501	16574333.431	3334767.07
		2007	20958321.463	17189500.048	3768821.42
		2008	22000068.148	17780542.528	4219525.62
		2009	23018816.903	18338833.779	4679983.12
		2010	24018480.537	18865893.612	5152586.92
		2011	25003034.574	19365460.142	5637574.43
		2012	25969871.429	19836253.379	6133618.05
		2013	26920275.180	20280410.566	6639864.61
		2014	27849005.227	20696280.124	7152725.10
		2015	28749620.400	21087450.541	7662169.86
		2016	29622417.562	21445334.867	8177082.69
		2017	30462559.724	21772633.062	8689926.66
		2018	31293299.299	22086805.483	9206493.82
		2019	32109993.427	22383308.149	9726685.28
		2020	32883323.977	22658766.923	10224557.1
		2021	33610102.554	22897203.212	10712899.3
		2022	34322010.448	23120423.621	11201586.8
		2023	35018383.550	23328545.924	11689837.6
		2024	35700177.955	23522841.800	12177336.2
		2025	36315500.346	23697896.667	12617603.7
		2026	36896159.343	23846299.741	13049859.6
		2027	37462570.116	23983904.847	13478665.3
		2028	38015337.780	24110842.845	13904494.9
		2029	38554814.764	24228461.159	14326353.6
		2030	39003805.400	24328914.052	14674891.3
2031	39436509.703	24414150.996	15022358.7		
2032	39858470.458	24492813.925	15365656.5		
2033	40270147.082	24564731.518	15705415.6		
2034	40672665.743	24631241.939	16041423.8		
2035	40962732.664	24681878.285	16280854.4		
2036	41255021.653	24727475.101	16527546.6		
2037	41540573.023	24769779.637	16770793.4		
2038	41820158.066	24808653.227	17011504.8		
2039	42093547.949	24844842.920	17248705.0		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.280	2964.972
		1992	1777346.679	1766096.264	11250.415
		1993	2380261.899	2353262.976	26998.923
		1994	2983130.039	2931319.535	51810.504
		1995	3588982.584	3501953.135	87029.448
		1996	4195430.235	4060559.156	134871.078
		1997	4793866.694	4600669.542	193197.152
		1998	5389747.381	5126522.729	263224.652
		1999	6006722.467	5652709.202	354013.265
		2000	6625758.871	6168008.445	457750.425
		2001	7245135.411	6668469.982	576665.429
		2002	7867492.021	7156230.900	711261.121
		2003	8485051.793	7626509.909	858541.884
		2004	9092994.774	8075889.851	1017104.92
		2005	9706032.803	8515624.851	1190407.95
		2006	10311907.548	8936036.634	1375870.91
		2007	10909437.502	9339199.145	1570238.36
		2008	11506462.491	9726998.701	1779463.79
		2009	12098393.287	10101269.888	1997123.40
		2010	12681188.981	10457302.966	2223886.02

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

		2011	13260062.991	10798106.476	2461956.52
		2012	13839417.441	11126309.813	2713107.63
		2013	14409614.758	11438724.543	2970890.22
		2014	14976658.746	11735791.599	3240867.15
		2015	15529977.821	12016036.561	3513941.26
		2016	16066640.764	12275711.741	3790929.02
		2017	16590035.078	12518427.703	4071607.38
		2018	17098716.137	12747664.327	4351051.81
		2019	17599868.850	12964026.696	4635842.15
		2020	18081346.241	13166276.826	4915069.42
		2021	18537594.460	13348102.615	5189491.84
		2022	18985300.234	13518565.788	5466734.45
		2023	19423958.747	13678091.569	5745867.18
		2024	19853347.772	13826545.792	6026801.98
		2025	20252822.245	13961902.146	6290920.10
		2026	20619307.063	14078701.719	6540605.34
		2027	20976063.406	14186622.182	6789441.22
		2028	21323641.947	14286616.429	7037025.52
		2029	21662117.106	14378588.022	7283529.08
		2030	21960971.694	14459104.607	7501867.09
		2031	22224951.983	14524390.922	7700561.06
		2032	22480397.853	14583926.600	7896471.25
		2033	22728639.455	14638591.108	8090048.35
		2034	22970448.888	14688423.591	8282025.30
		2035	23164154.188	14728542.093	8435612.10
		2036	23334538.616	14760471.560	8574067.06
		2037	23499760.723	14789694.462	8710066.26
		2038	23660308.401	14816547.837	8843760.56
		2039	23817891.273	14841321.981	8976569.29
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747588.524	2446.368
		1993	2319752.308	2313793.474	5958.833
		1994	2872597.339	2861044.943	11552.396
		1995	3411494.825	3391837.345	19657.480
		1996	3945569.726	3914495.006	31074.720
		1997	4463316.362	4417529.473	45786.889
		1998	4975301.180	4910809.033	64492.147
		1999	5473691.125	5386270.379	87420.746
		2000	5977500.570	5861408.635	116091.935
		2001	6474795.516	6324339.217	150456.299
		2002	6968769.705	6777551.543	191218.162
		2003	7460282.140	7221078.886	239203.254
		2004	7947048.275	7652813.485	294234.791
		2005	8430571.669	8073726.972	356844.697
		2006	8903945.390	8477112.119	426833.271
		2007	9364177.982	8860731.444	503446.538
		2008	9822525.458	9233176.188	589349.271
		2009	10275228.886	9591550.883	683678.003
		2010	10720275.500	9934556.553	785718.947
		2011	11155356.373	10260302.038	895054.335
		2012	11582611.617	10569495.530	1013116.09
		2013	11998803.791	10860600.203	1138203.59
		2014	12402087.090	11133009.920	1269077.17
		2015	12793451.706	11388523.018	1404928.69
		2016	13160101.653	11618462.876	1541638.78
		2017	13503583.414	11825261.361	1678322.05
		2018	13859755.737	12028890.032	1830865.71
		2019	14211625.176	12220929.355	1990695.82
		2020	14553935.288	12400132.143	2153803.14
		2021	14851747.495	12548213.981	2303533.51
		2022	15144531.004	12686347.277	2458183.73
		2023	15431932.496	12814666.588	2617265.91
		2024	15713920.740	12933847.277	2780073.46
		2025	15979112.816	13041642.796	2937470.02
		2026	16206550.153	13127605.870	3078944.28
		2027	16428826.050	13206742.693	3222083.36
		2028	16645902.186	13279304.459	3366597.73
		2029	16858126.517	13346132.562	3511993.95
		2030	17045220.687	13403560.703	3641659.98
		2031	17208482.610	13449035.864	3759446.75
		2032	17367586.074	13490760.199	3876825.88
		2033	17522716.280	13528751.798	3993964.48
		2034	17674226.555	13563727.351	4110499.20
		2035	17792201.734	13590647.600	4201554.13
		2036	17903508.236	13613766.039	4289742.20
		2037	18012162.345	13635190.297	4376972.05
		2038	18118464.470	13654828.273	4463636.20

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

	Female	2039	18222549.860	13673132.793	4549417.07
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.924	416.494
		1992	931086.773	929437.087	1649.686
		1993	1246155.671	1242093.622	4062.049
		1994	1561212.934	1553213.610	7999.324
		1995	1879967.742	1866031.995	13935.747
		1996	2197488.109	2175330.941	22157.168
		1997	2515698.453	2482608.212	33090.240
		1998	2836249.556	2789166.728	47082.828
		1999	3150201.390	3086075.629	64125.761
		2000	3472722.342	3387451.783	85270.560
		2001	3796994.889	3686142.879	110852.010
		2002	4126619.935	3984994.427	141625.508
		2003	4454982.533	4277792.995	177189.538
		2004	4784343.030	4565968.922	218374.109
		2005	5113443.121	4848172.807	265270.314
		2006	5442543.963	5123799.513	318744.449
		2007	5772441.497	5393546.115	378895.382
		2008	6091911.943	5648112.112	443799.831
		2009	6413671.330	5897096.830	516574.500
		2010	6730763.530	6135774.383	594989.146
		2011	7043614.101	6363893.211	679720.890
		2012	7356270.780	6584383.784	771886.996
		2013	7662551.964	6793036.181	869515.782
		2014	7964551.465	6991439.356	973112.109
		2015	8254895.403	7176068.627	1078826.78
		2016	8530661.848	7344333.377	1186328.47
		2017	8795826.122	7499811.619	1296014.50
		2018	9067233.707	7651200.460	1416033.25
		2019	9335343.270	7793747.034	1541596.24
		2020	9596110.883	7926871.666	1669239.22
		2021	9833186.859	8043051.101	1790135.76
		2022	10066452.037	8151529.510	1914922.53
		2023	10295503.609	8252603.152	2042900.46
		2024	10520125.318	8346209.147	2173916.17
		2025	10731915.863	8431162.800	2300753.06
		2026	10917495.549	8501919.930	2415575.62
		2027	11098620.885	8566938.175	2531682.71
		2028	11275441.234	8626869.944	2648571.29
		2029	11447962.710	8681691.318	2766271.39
		2030	11601867.623	8729270.165	2872597.46
		2031	11731666.516	8766524.676	2965141.84
		2032	11857585.969	8800389.551	3057196.42
		2033	11980128.625	8831382.206	3148746.42
		2034	12099562.464	8859569.651	3239992.81
		2035	12195919.946	8881900.533	3314019.41
		2036	12278201.969	8899335.753	3378866.22
		2037	12358146.336	8915337.369	3442808.97
		2038	12435978.633	8930069.880	3505908.75
		2039	12512468.845	8943697.068	3568771.78
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483223.780	26374.834
		1993	1992735.299	1931293.560	61441.739
		1994	2462877.575	2348236.427	114641.147
		1995	2928249.390	2739587.604	188661.786
		1996	3377377.730	3093769.594	283608.136
		1997	3809062.472	3410983.614	398078.858
		1998	4222213.867	3691999.343	530214.525
		1999	4708317.743	3995842.935	712474.808
		2000	5182084.396	4267611.500	914472.896
		2001	5644097.705	4507654.531	1136443.17
		2002	6107232.129	4725171.439	1382060.69
		2003	6561785.704	4917367.588	1644418.12
		2004	6996156.348	5083038.074	1913118.27
		2005	7426261.361	5231275.656	2194985.71
		2006	7849012.694	5361233.683	2487779.01
		2007	8255300.530	5473563.830	2781736.70
		2008	8650662.040	5572263.316	3078398.72
		2009	9030818.513	5658314.697	3372503.82
		2010	9403026.327	5734767.765	3668258.56
		2011	9767535.506	5802661.524	3964873.98
		2012	10123044.281	5863226.883	4259817.40
		2013	10470104.786	5917213.307	4552891.48
		2014	10807756.112	5965604.967	4842151.15
		2015	11130681.425	6008570.192	5122111.23
		2016	11448966.506	6047704.281	5401262.22

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		2017	11758164.882	6083249.110	5674915.77
		2018	12054448.241	6114587.734	5939860.51
		2019	12341606.261	6143268.022	6198338.24
		2020	12600728.939	6167887.690	6432841.25
		2021	12861767.105	6191301.895	6670465.21
		2022	13114168.616	6212951.237	6901217.38
		2023	13357894.797	6232859.489	7125035.31
		2024	13593848.521	6251462.470	7342386.05
		2025	13789177.359	6266464.753	7522712.61
		2026	13993401.656	6281594.134	7711807.52
		2027	14190519.224	6295912.057	7894607.17
		2028	14381193.356	6309234.044	8071959.31
		2029	14565171.927	6321780.927	8243391.00
		2030	14697381.605	6330713.522	8366668.08
		2031	14842203.512	6340380.062	8501823.45
		2032	14982485.826	6349625.811	8632860.01
		2033	15118410.647	6358208.273	8760202.37
		2034	15250284.398	6366399.959	8883884.44
		2035	15322911.166	6370776.265	8952134.90
		2036	15405115.031	6375654.323	9029460.71
		2037	15484709.137	6380358.809	9104350.33
		2038	15561812.193	6384788.800	9177023.39
		2039	15635992.616	6388971.725	9247020.89
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.343	1865.120
		1992	439962.920	432980.418	6982.502
		1993	584735.615	568176.357	16559.258
		1994	727640.783	696325.065	31315.717
		1995	868486.937	816723.530	51763.407
		1996	1010321.847	930874.715	79447.132
		1997	1144230.930	1032428.216	111802.713
		1998	1274513.622	1124660.899	149852.722
		1999	1426725.938	1224827.253	201898.685
		2000	1573462.680	1314391.947	259070.733
		2001	1719132.015	1395197.136	323934.879
		2002	1863006.732	1467654.366	395352.366
		2003	2002943.227	1531544.847	471398.381
		2004	2137798.705	1587240.173	550558.532
		2005	2271071.245	1637284.865	633786.381
		2006	2400707.731	1680843.235	719864.496
		2007	2523634.512	1718179.358	805455.154
		2008	2648752.232	1752373.351	896378.881
		2009	2765973.961	1781570.120	984403.841
		2010	2881329.235	1807703.688	1073625.55
		2011	2994972.694	1831017.606	1163955.09
		2012	3108958.829	1852205.036	1256753.79
		2013	3218140.416	1870994.327	1347146.09
		2014	3328387.914	1888351.743	1440036.17
		2015	3435342.796	1904126.035	1531216.76
		2016	3539189.408	1918341.043	1620848.37
		2017	3640041.363	1931171.774	1708869.59
		2018	3732645.362	1942128.745	1790516.62
		2019	3821421.978	1951959.221	1869462.76
		2020	3902115.950	1960442.965	1941672.99
		2021	3984301.053	1968588.745	2015712.31
		2022	4062629.299	1975923.341	2086705.96
		2023	4137348.729	1982600.137	2154748.59
		2024	4208611.493	1988661.061	2219950.43
		2025	4269419.492	1993701.540	2275717.95
		2026	4330969.998	1998593.325	2332376.67
		2027	4389134.306	2003055.260	2386079.05
		2028	4444222.970	2007162.144	2437060.83
		2029	4496447.877	2010961.378	2485486.50
		2030	4536975.698	2013836.656	2523139.04
		2031	4578338.586	2016712.196	2561626.39
		2032	4617397.784	2019384.771	2598013.01
		2033	4654407.697	2021889.930	2632517.77
		2034	4689913.454	2024250.640	2665662.81
		2035	4712518.190	2025681.025	2686837.16
		2036	4735845.827	2027129.806	2708716.02
		2037	4757958.806	2028491.318	2729467.49
		2038	4778813.806	2029778.356	2749035.45
		2039	4798769.065	2031004.418	2767764.65
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220289.469	2676.810
		1993	296801.879	290425.407	6376.472
		1994	372453.706	360103.582	12350.124

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	1995	448401.338	427518.754	20882.584
	1996	523536.301	491400.873	32135.428
	1997	596763.211	550666.507	46096.704
	1998	667546.681	604952.842	62593.839
	1999	734925.407	653716.943	81208.464
	2000	803749.361	700561.059	103188.302
	2001	870081.588	742674.246	127407.343
	2002	935347.140	781277.487	154069.653
	2003	1001627.349	817465.778	184161.572
	2004	1066587.976	850306.480	216281.496
	2005	1130548.052	880061.563	250486.489
	2006	1195132.454	907588.589	287543.865
	2007	1258974.043	932518.398	326455.645
	2008	1320124.867	954280.138	365844.729
	2009	1380776.123	974032.396	406743.727
	2010	1440048.533	991731.884	448316.649
	2011	1497484.847	1007458.785	490026.062
	2012	1554496.526	1021639.478	532857.048
	2013	1610819.598	1034456.307	576363.291
	2014	1667484.890	1046195.419	621289.471
	2015	1720948.287	1056475.234	664473.053
	2016	1775699.228	1066095.981	709603.247
	2017	1830250.175	1074919.927	755330.248
	2018	1875958.950	1081771.422	794187.528
	2019	1920359.232	1087941.738	832417.493
	2020	1960605.297	1093193.599	867411.698
	2021	1998912.887	1097839.741	901073.147
	2022	2036003.696	1102030.521	933973.175
	2023	2071857.536	1105812.477	966045.060
	2024	2106636.468	1109277.008	997359.460
	2025	2136450.873	1112108.644	1024342.23
	2026	2164796.470	1114649.808	1050146.66
	2027	2192079.608	1116990.155	1075089.45
	2028	2218404.367	1119127.749	1099276.62
	2029	2243769.140	1121105.350	1122663.79
	2030	2263570.213	1122597.818	1140972.39
	2031	2282521.590	1123980.619	1158540.97
	2032	2300804.945	1125272.581	1175532.36
	2033	2318464.018	1126467.716	1191996.30
	2034	2335611.973	1127598.460	1208013.51
	2035	2347097.290	1128337.696	1218759.59
	2036	2358248.747	1129038.631	1229210.12
	2037	2369033.655	1129708.358	1239325.30
	2038	2379490.114	1130338.450	1249151.66
	2039	2389546.238	1130931.546	1258614.69
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.693	515.169
	1992	165654.454	163676.511	1977.943
	1993	220008.519	215283.502	4725.018
	1994	275706.807	266523.785	9183.022
	1995	331417.547	315917.897	15499.650
	1996	387580.161	363579.386	24000.774
	1997	442778.242	408222.520	34555.722
	1998	496117.305	449177.869	46939.435
	1999	548268.214	487022.220	61245.995
	2000	601693.202	523576.314	78116.888
	2001	652221.103	555966.299	96254.804
	2002	703022.600	586296.080	116726.520
	2003	752023.351	613473.084	138550.267
	2004	799826.733	637985.805	161840.927
	2005	847563.928	660622.448	186941.481
	2006	894205.027	680984.758	213220.269
	2007	939571.282	699160.730	240410.552
	2008	983437.578	715316.542	268121.036
	2009	1025803.786	729647.054	296156.732
	2010	1066964.934	742381.777	324583.157
	2011	1106954.044	753699.091	353254.953
	2012	1146108.461	763870.354	382238.107
	2013	1183544.689	772820.741	410723.948
	2014	1221220.945	781069.226	440151.720
	2015	1258289.311	788624.395	469664.916
	2016	1294830.207	795481.871	499348.336
	2017	1330332.626	801635.078	528697.548
	2018	1360571.987	806504.624	554067.363
	2019	1389848.723	810852.754	578995.968
	2020	1416046.192	814520.721	601525.472
	2021	1440588.850	817717.425	622871.425
	2022	1464157.934	820577.251	643580.683

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

		2023	1486810.237	823161.957	663648.280
		2024	1508591.729	825488.519	683103.211
		2025	1526875.621	827363.468	699512.153
		2026	1543659.810	828987.557	714672.252
		2027	1559623.774	830455.771	729168.003
		2028	1574852.850	831795.191	743057.659
		2029	1589437.452	833020.917	756416.535
		2030	1600568.199	833923.008	766645.191
		2031	1610776.297	834722.434	776053.862
		2032	1620483.563	835460.615	785022.948
		2033	1629745.442	836146.781	793598.661
		2034	1638721.425	836788.579	801932.846
		2035	1644649.404	837194.641	807454.763
		2036	1650181.590	837562.894	812618.695
		2037	1655476.066	837909.646	817566.420
		2038	1660507.914	838238.210	822269.704
		2039	1665361.569	838551.181	826810.388
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347332.506	751.541
		1993	467278.318	465432.893	1845.425
		1994	584216.907	580587.498	3629.409
		1995	697391.457	691203.434	6188.022
		1996	809471.271	799789.842	9681.428
		1997	922587.668	908237.206	14350.462
		1998	1034072.457	1013943.852	20128.605
		1999	1153475.399	1125727.102	27748.298
		2000	1268050.268	1231288.434	36761.834
		2001	1382786.209	1335192.903	47593.307
		2002	1497557.412	1437117.764	60439.648
		2003	1614405.229	1539041.044	75364.185
		2004	1726672.489	1634858.729	91813.760
		2005	1847277.524	1735706.236	111571.289
		2006	1961009.963	1828399.040	132610.923
		2007	2079868.908	1922686.375	157182.533
		2008	2206755.783	2020822.886	185932.896
		2009	2331993.380	2114935.803	217057.578
		2010	2455130.176	2204837.410	250292.766
		2011	2582657.849	2295037.795	287620.053
		2012	2709719.005	2381891.487	327827.518
		2013	2840547.005	2468140.749	372406.256
		2014	2971677.135	2551469.818	420207.317
		2015	3104538.983	2633882.097	470656.886
		2016	3237650.175	2713071.730	524578.446
		2017	3370561.253	2789202.664	581358.589
		2018	3503136.371	2861556.296	641580.076
		2019	3636402.758	2931169.034	705233.724
		2020	3768054.453	2997553.491	770500.962
		2021	3897675.067	3059847.595	837827.472
		2022	4027307.132	3119094.585	908212.547
		2023	4156698.720	3175207.371	981491.350
		2024	4285772.226	3228255.044	1057517.18
		2025	4410759.298	3277680.474	1133078.82
		2026	4531411.064	3322449.929	1208961.14
		2027	4651145.233	3364259.942	1286885.29
		2028	4769837.872	3403176.594	1366661.28
		2029	4887747.179	3439442.319	1448304.86
2030	4997632.895	3472042.009	1525590.89		
2031	5103301.991	3500754.451	1602547.54		
2032	5207593.613	3527155.334	1680438.28		
2033	5310556.138	3551303.731	1759252.41		
2034	5412542.816	3573516.169	1839026.65		
2035	5500522.473	3592116.723	1908405.75		
2036	5588149.640	3609016.108	1979133.53		
2037	5674667.886	3624522.174	2050145.71		
2038	5760391.289	3638697.704	2121693.58		
2039	5845459.234	3651806.856	2193652.38		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.321	168.190
		1992	240642.531	240002.248	640.284
		1993	329362.093	327709.495	1652.598
		1994	418569.515	415257.075	3312.440
		1995	509110.357	503279.713	5830.644
		1996	600040.117	590774.114	9266.004
		1997	691159.071	677410.594	13748.477
		1998	782866.899	763517.233	19349.666
		1999	881526.925	854784.101	26742.824
		2000	977880.647	942588.402	35292.245

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

2001	1076787.404	1031163.667	45623.737
2002	1174842.754	1117286.026	57556.727
2003	1275102.681	1203698.984	71403.697
2004	1371026.306	1284694.950	86331.355
2005	1473954.509	1369544.732	104409.777
2006	1574450.828	1450409.128	124041.700
2007	1673790.211	1528312.941	145477.270
2008	1782360.738	1611196.696	171164.042
2009	1892944.209	1692955.884	199988.325
2010	2002131.282	1771443.116	230688.166
2011	2114522.152	1849496.567	265025.585
2012	2228079.372	1925850.640	302228.732
2013	2345377.689	2001873.293	343504.396
2014	2462498.422	2074931.275	387567.147
2015	2581450.312	2147217.505	434232.807
2016	2701959.301	2217555.449	484403.852
2017	2823834.967	2285809.232	538025.736
2018	2938265.081	2347830.498	590434.582
2019	3053254.880	2407467.687	645787.193
2020	3167073.216	2464441.474	702631.742
2021	3279517.699	2518745.344	760772.356
2022	3392060.964	2570535.685	821525.278
2023	3504296.171	2619726.322	884569.850
2024	3616019.231	2666187.066	949832.165
2025	3724611.269	2709674.338	1014936.93
2026	3827181.707	2749200.906	1077980.80
2027	3928684.441	2786172.976	1142511.46
2028	4029124.892	2820789.149	1208335.74
2029	4128269.068	2852914.409	1275354.66
2030	4221560.174	2882074.778	1339485.40
2031	4304170.584	2906431.616	1397738.97
2032	4384930.537	2928691.664	1456238.87
2033	4464357.691	2949172.191	1515185.50
2034	4542251.545	2967814.721	1574436.82
2035	4611066.648	2983765.893	1627300.75
2036	4670309.230	2996443.107	1673866.12
2037	4728179.514	3007956.130	1720223.38
2038	4785008.048	3018461.391	1766546.66
2039	4841291.793	3028069.314	1813222.48

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798446.216	32237.615
		1993	5076567.803	5000999.590	75568.213
		1994	6292145.526	6150122.035	142023.492
		1995	7485537.010	7250468.764	235068.245
		1996	8655955.028	8300049.303	355905.725
		1997	9791729.713	9288401.804	503327.909
		1998	10899134.186	10223216.561	675917.625
		1999	12070409.674	11163784.337	906625.338
		2000	13231384.595	12064014.243	1167370.35
		2001	14371761.018	12914122.231	1457638.79
		2002	15508906.386	13726715.633	1782190.75
		2003	16638100.422	14502109.591	2135990.83
		2004	17736465.088	15229931.517	2506533.57
		2005	18834658.606	15931683.532	2902975.07
		2006	19909100.501	16587416.172	3321684.33
		2007	20958321.463	17204934.202	3753387.26
		2008	22000068.148	17798549.966	4201518.18
		2009	23018816.903	18359583.298	4659233.61
		2010	24018480.537	18889541.562	5128938.97
		2011	25003034.574	19392159.479	5610875.10
		2012	25969871.429	19866117.792	6103753.64
		2013	26920275.180	20313553.922	6606721.26
		2014	27849005.227	20732780.841	7116224.39
		2015	28749620.400	21127411.399	7622209.00
		2016	29622417.562	21488726.936	8133690.63
		2017	30462559.724	21819422.499	8643137.23
		2018	31293299.299	22137089.451	9156209.85
		2019	32109993.427	22437123.004	9672870.42
		2020	32883323.977	22716131.636	10167192.3
		2021	33610102.554	22957831.316	10652271.2
		2022	34322010.448	23184288.281	11137722.2
		2023	35018383.550	23395605.268	11622778.3
		2024	35700177.955	23593049.343	12107128.6
		2025	36315500.346	23771173.995	12544326.4
		2026	36896159.343	23922277.482	12973881.9
		2027	37462570.116	24062501.748	13400068.4
		2028	38015337.780	24191968.767	13823369.0
		2029	38554814.764	24312027.250	14242787.5
		2030	39003805.400	24414757.530	14589047.9
2031	39436509.703	24501954.120	14934555.6		
2032	39858470.458	24582481.566	15275988.9		
2033	40270147.082	24656159.192	15613987.9		
2034	40672665.743	24724344.026	15948321.7		
2035	40962732.664	24776397.561	16186335.1		
2036	41255021.653	24823265.382	16431756.3		
2037	41540573.023	24866775.507	16673797.5		
2038	41820158.066	24906784.462	16913373.6		
2039	42093547.949	24944049.345	17149498.6		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.280	2964.972
		1992	1777346.679	1766098.293	11248.386
		1993	2380261.899	2353272.844	26989.055
		1994	2983130.039	2931348.284	51781.755
		1995	3588982.584	3502017.856	86964.728
		1996	4195430.235	4060683.539	134746.695
		1997	4793866.694	4600883.769	192982.926
		1998	5389747.381	5126864.206	262883.175
		1999	6006722.467	5653225.387	353497.080
		2000	6625758.871	6168755.643	457003.228
		2001	7245135.411	6669506.678	575628.733
	2002	7867492.021	7157621.042	709870.979	
	2003	8485051.793	7628322.364	856729.429	
	2004	9092994.774	8078188.922	1014805.85	
	2005	9706032.803	8518486.010	1187546.79	
	2006	10311907.548	8939525.790	1372381.76	
	2007	10909437.502	9343386.471	1566051.03	
	2008	11506462.491	9731957.443	1774505.05	
	2009	12098393.287	10107071.964	1991321.32	
	2010	12681188.981	10464009.317	2217179.66	

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

		2011	13260062.991	10805779.853	2454283.14
		2012	13839417.441	11135018.447	2704398.99
		2013	14409614.758	11448525.204	2961089.55
		2014	14976658.746	11746736.502	3229922.24
		2015	15529977.821	12028176.575	3501801.25
		2016	16066640.764	12289066.766	3777574.00
		2017	16590035.078	12533029.998	4057005.08
		2018	17098716.137	12763548.255	4335167.88
		2019	17599868.850	12981221.513	4618647.34
		2020	18081346.241	13184807.328	4896538.91
		2021	18537594.460	13367946.050	5169648.41
		2022	18985300.234	13539731.862	5445568.37
		2023	19423958.747	13700583.577	5723375.17
		2024	19853347.772	13850356.373	6002991.40
		2025	20252822.245	13987019.698	6265802.55
		2026	20619307.063	14105036.806	6514270.26
		2027	20976063.406	14214150.226	6761913.18
		2028	21323641.947	14315313.849	7008328.10
		2029	21662117.106	14408420.330	7253696.78
		2030	21960971.694	14490025.520	7470946.17
		2031	22224951.983	14556239.544	7668712.44
		2032	22480397.853	14616655.459	7863742.39
		2033	22728639.455	14672161.209	8056478.25
		2034	22970448.888	14722787.650	8247661.24
		2035	23164154.188	14763621.031	8400533.16
		2036	23334538.616	14796122.902	8538415.71
		2037	23499760.723	14825879.278	8673881.44
		2038	23660308.401	14853231.741	8807076.66
		2039	23817891.273	14878472.973	8939418.30
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747594.305	2440.587
		1993	2319752.308	2313819.857	5932.450
		1994	2872597.339	2861118.286	11479.052
		1995	3411494.825	3391996.555	19498.271
		1996	3945569.726	3914793.909	30775.816
		1997	4463316.362	4418033.301	45283.061
		1998	4975301.180	4911598.470	63702.710
		1999	5473691.125	5387431.814	86259.311
		2000	5977500.570	5863066.309	114434.261
		2001	6474795.516	6326620.248	148175.268
		2002	6968769.705	6780596.847	188172.858
		2003	7460282.140	7225037.116	235245.024
		2004	7947048.275	7657839.350	289208.925
		2005	8430571.669	8079977.552	350594.117
		2006	8903945.390	8484728.563	419216.827
		2007	9364177.982	8869843.501	494334.480
		2008	9822525.458	9243937.015	578588.443
		2009	10275228.886	9604100.581	671128.305
		2010	10720275.500	9949023.521	771251.979
		2011	11155356.373	10276792.516	878563.857
		2012	11582611.617	10588098.479	994513.138
		2013	11998803.791	10881386.232	1117417.56
		2014	12402087.090	11156032.938	1246054.15
		2015	12793451.706	11413837.357	1379614.35
		2016	13160101.653	11646016.408	1514085.24
		2017	13503583.414	11854996.911	1648586.50
		2018	13859755.737	12060928.797	1798826.94
		2019	14211625.176	12255294.199	1956330.98
		2020	14553935.288	12436833.593	2117101.70
		2021	14851747.495	12586976.727	2264770.77
		2022	15144531.004	12727148.519	2417382.49
		2023	15431932.496	12857472.730	2574459.77
		2024	15713920.740	12978619.787	2735300.95
		2025	15979112.816	13088326.525	2890786.29
		2026	16206550.153	13175876.174	3030673.98
		2027	16428826.050	13256541.653	3172284.40
		2028	16645902.186	13330570.262	3315331.92
		2029	16858126.517	13398805.322	3459321.20
		2030	17045220.687	13457544.816	3587675.87
		2031	17208482.610	13504070.926	3704411.68
		2032	17367586.074	13546789.518	3820796.56
		2033	17522716.280	13585715.369	3937000.91
		2034	17674226.555	13621575.338	4052651.22
		2035	17792201.734	13649247.315	4142954.42
		2036	17903508.236	13673001.354	4230506.88
		2037	18012162.345	13695027.545	4317134.80
		2038	18118464.470	13715231.081	4403233.39

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

	Female	2039	18222549.860	13734071.508	4488478.35
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.924	416.494
		1992	931086.773	929438.203	1648.571
		1993	1246155.671	1242099.033	4056.638
		1994	1561212.934	1553229.491	7983.444
		1995	1879967.742	1866068.175	13899.567
		1996	2197488.109	2175401.079	22087.031
		1997	2515698.453	2482730.562	32967.891
		1998	2836249.556	2789364.617	46884.940
		1999	3150201.390	3086373.458	63827.932
		2000	3472722.342	3387886.446	84835.897
		2001	3796994.889	3686751.835	110243.054
		2002	4126619.935	3985821.974	140797.962
		2003	4454982.533	4278885.687	176096.847
		2004	4784343.030	4567375.615	216967.415
		2005	5113443.121	4849941.924	263501.197
		2006	5442543.963	5125982.138	316561.825
		2007	5772441.497	5396197.542	376243.954
		2008	6091911.943	5651271.110	440640.833
		2009	6413671.330	5900817.659	512853.671
		2010	6730763.530	6140102.704	590660.826
		2011	7043614.101	6368870.335	674743.766
		2012	7356270.780	6590058.476	766212.304
		2013	7662551.964	6799441.966	863109.998
		2014	7964551.465	6998612.901	965938.564
		2015	8254895.403	7184031.876	1070863.53
		2016	8530661.848	7353086.955	1177574.89
		2017	8795826.122	7509367.467	1286458.66
		2018	9067233.707	7661600.426	1405633.28
		2019	9335343.270	7805007.849	1530335.42
		2020	9596110.883	7939006.659	1657104.22
		2021	9833186.859	8056021.601	1777165.26
		2022	10066452.037	8165337.769	1901114.27
		2023	10295503.609	8267247.085	2028256.52
		2024	10520125.318	8361679.641	2158445.68
		2025	10731915.863	8447447.676	2284468.19
		2026	10917495.549	8518936.556	2398558.99
		2027	11098620.885	8584666.857	2513954.03
		2028	11275441.234	8645292.217	2630149.02
		2029	11447962.710	8700782.146	2747180.56
		2030	11601867.623	8748997.324	2852870.30
		2031	11731666.516	8786772.888	2944893.63
		2032	11857585.969	8821129.507	3036456.46
		2033	11980128.625	8852589.710	3127538.91
		2034	12099562.464	8881216.574	3218345.89
		2035	12195919.946	8903939.129	3291980.82
		2036	12278201.969	8921677.802	3356524.17
		2037	12358146.336	8937962.388	3420183.95
		2038	12435978.633	8952959.672	3483018.96
		2039	12512468.845	8966835.101	3545633.74
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483228.170	26370.445
		1993	1992735.299	1931313.195	61422.104
		1994	2462877.575	2348289.509	114588.066
		1995	2928249.390	2739699.863	188549.527
		1996	3377377.730	3093970.875	283406.855
		1997	3809062.472	3411306.451	397756.021
		1998	4222213.867	3692475.151	529738.716
		1999	4708317.743	3996541.764	711775.979
		2000	5182084.396	4268578.824	913505.572
		2001	5644097.705	4508926.177	1135171.53
		2002	6107232.129	4726786.586	1380445.54
		2003	6561785.704	4919352.611	1642433.09
		2004	6996156.348	5085404.558	1910751.79
		2005	7426261.361	5234043.552	2192217.81
		2006	7849012.694	5364407.456	2484605.24
		2007	8255300.530	5477139.204	2778161.33
		2008	8650662.040	5576239.715	3074422.33
		2009	9030818.513	5662683.579	3368134.93
		2010	9403026.327	5739522.784	3663503.54
		2011	9767535.506	5807793.488	3959742.02
		2012	10123044.281	5868727.078	4254317.20
		2013	10470104.786	5923070.665	4547034.12
		2014	10807756.112	5971808.731	4835947.38
		2015	11130681.425	6015110.406	5115571.02
		2016	11448966.506	6054572.859	5394393.65

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

		2017	11758164.882	6090436.370	5667728.51
		2018	12054448.241	6122062.377	5932385.86
		2019	12341606.261	6151019.415	6190586.85
		2020	12600728.939	6175903.695	6424825.24
		2021	12861767.105	6199573.496	6662193.61
		2022	13114168.616	6221468.010	6892700.61
		2023	13357894.797	6241611.778	7116283.02
		2024	13593848.521	6260443.886	7333404.64
		2025	13789177.359	6275659.749	7513517.61
		2026	13993401.656	6291003.321	7702398.33
		2027	14190519.224	6305530.500	7884988.72
		2028	14381193.356	6319054.862	8062138.49
		2029	14565171.927	6331797.936	8233373.99
		2030	14697381.605	6340896.520	8356485.09
		2031	14842203.512	6350741.964	8491461.55
		2032	14982485.826	6360162.936	8622322.89
		2033	15118410.647	6368913.243	8749497.40
		2034	15250284.398	6377269.451	8873014.95
		2035	15322911.166	6381752.773	8941158.39
		2036	15405115.031	6386750.292	9018364.74
		2037	15484709.137	6391572.984	9093136.15
		2038	15561812.193	6396117.691	9165694.50
		2039	15635992.616	6400411.543	9235581.07
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.343	1865.120
		1992	439962.920	432980.887	6982.033
		1993	584735.615	568178.568	16557.047
		1994	727640.783	696331.324	31309.459
		1995	868486.937	816737.160	51749.777
		1996	1010321.847	930900.151	79421.697
		1997	1144230.930	1032470.161	111760.769
		1998	1274513.622	1124724.572	149789.050
		1999	1426725.938	1224923.489	201802.449
		2000	1573462.680	1314527.573	258935.107
		2001	1719132.015	1395378.307	323753.708
		2002	1863006.732	1467886.511	395120.221
		2003	2002943.227	1531832.121	471111.106
		2004	2137798.705	1587585.252	550213.453
		2005	2271071.245	1637691.437	633379.809
		2006	2400707.731	1681311.723	719396.008
		2007	2523634.512	1718708.931	804925.582
		2008	2648752.232	1752966.104	895786.128
		2009	2765973.961	1782224.032	983749.929
		2010	2881329.235	1808418.686	1072910.55
		2011	2994972.694	1831792.976	1163179.72
		2012	3108958.829	1853040.208	1255918.62
		2013	3218140.416	1871887.835	1346252.58
		2014	3328387.914	1889303.660	1439084.25
		2015	3435342.796	1905136.772	1530206.02
		2016	3539189.408	1919409.556	1619779.85
		2017	3640041.363	1932296.736	1707744.63
		2018	3732645.362	1943305.134	1789340.23
		2019	3821421.978	1953184.899	1868237.08
		2020	3902115.950	1961715.823	1940400.13
		2021	3984301.053	1969909.629	2014391.42
		2022	4062629.299	1977290.000	2085339.30
		2023	4137348.729	1984010.869	2153337.86
		2024	4208611.493	1990113.798	2218497.70
		2025	4269419.492	1995194.021	2274225.47
		2026	4330969.998	2000125.893	2330844.11
		2027	4389134.306	2004625.783	2384508.52
		2028	4444222.970	2008768.890	2435454.08
		2029	4496447.877	2012602.747	2483845.13
		2030	4536975.698	2015508.997	2521466.70
		2031	4578338.586	2018416.109	2559922.48
		2032	4617397.784	2021118.606	2596279.18
		2033	4654407.697	2023652.510	2630755.19
		2034	4689913.454	2026040.842	2663872.61
		2035	4712518.190	2027492.516	2685025.67
		2036	4735845.827	2028963.048	2706882.78
		2037	4757958.806	2030345.289	2727613.52
		2038	4778813.806	2031652.192	2747161.61
		2039	4798769.065	2032897.444	2765871.62
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220290.087	2676.192
		1993	296801.879	290428.236	6373.643
		1994	372453.706	360111.565	12342.141

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

	1995	448401.338	427536.079	20865.259
	1996	523536.301	491432.928	32103.373
	1997	596763.211	550719.256	46043.955
	1998	667546.681	605032.443	62514.238
	1999	734925.407	653829.062	81096.345
	2000	803749.361	700715.235	103034.126
	2001	870081.588	742876.682	127204.906
	2002	935347.140	781535.649	153811.491
	2003	1001627.349	817786.716	183840.633
	2004	1066587.976	850696.034	215891.942
	2005	1130548.052	880524.399	250023.653
	2006	1195132.454	908129.950	287002.504
	2007	1258974.043	933141.147	325832.896
	2008	1320124.867	954983.147	365141.719
	2009	1380776.123	974817.314	405958.809
	2010	1440048.533	992598.724	447449.809
	2011	1497484.847	1008406.908	489077.939
	2012	1554496.526	1022667.142	531829.384
	2013	1610819.598	1035563.084	575256.514
	2014	1667484.890	1047379.990	620104.899
	2015	1720948.287	1057735.870	663212.416
	2016	1775699.228	1067432.465	708266.763
	2017	1830250.175	1076330.968	753919.207
	2018	1875958.950	1083245.687	792713.262
	2019	1920359.232	1089476.244	830882.988
	2020	1960605.297	1094785.174	865820.124
	2021	1998912.887	1099484.348	899428.540
	2022	2036003.696	1103725.121	932278.575
	2023	2071857.536	1107554.383	964303.154
	2024	2106636.468	1111064.113	995572.356
	2025	2136450.873	1113937.599	1022513.27
	2026	2164796.470	1116517.465	1048279.01
	2027	2192079.608	1118894.676	1073184.93
	2028	2218404.367	1121067.193	1097337.17
	2029	2243769.140	1123077.959	1120691.18
	2030	2263570.213	1124599.156	1138971.06
	2031	2282521.590	1126009.188	1156512.40
	2032	2300804.945	1127327.194	1173477.75
	2033	2318464.018	1128547.130	1189916.89
	2034	2335611.973	1129701.942	1205910.03
	2035	2347097.290	1130459.343	1216637.95
	2036	2358248.747	1131177.824	1227070.92
	2037	2369033.655	1131864.746	1237168.91
	2038	2379490.114	1132511.498	1246978.62
	2039	2389546.238	1133120.630	1256425.61
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.693	515.169
	1992	165654.454	163676.662	1977.792
	1993	220008.519	215284.214	4724.305
	1994	275706.807	266525.818	9180.988
	1995	331417.547	315922.396	15495.151
	1996	387580.161	363587.877	23992.284
	1997	442778.242	408236.762	34541.479
	1998	496117.305	449199.774	46917.531
	1999	548268.214	487053.793	61214.421
	2000	601693.202	523620.373	78072.829
	2001	652221.103	556024.633	96196.470
	2002	703022.600	586370.987	116651.613
	2003	752023.351	613566.293	138457.058
	2004	799826.733	638098.830	161727.903
	2005	847563.928	660756.943	186806.985
	2006	894205.027	681142.109	213062.918
	2007	939571.282	699341.610	240229.672
	2008	983437.578	715521.359	267916.219
	2009	1025803.786	729876.054	295927.732
	2010	1066964.934	742634.945	324329.989
	2011	1106954.044	753976.396	352977.648
	2012	1146108.461	764171.646	381936.815
	2013	1183544.689	773145.525	410399.164
	2014	1221220.945	781417.845	439803.101
	2015	1258289.311	788997.466	469291.845
	2016	1294830.207	795879.146	498951.061
	2017	1330332.626	802056.235	528276.390
	2018	1360571.987	806946.462	553625.526
	2019	1389848.723	811314.418	578534.305
	2020	1416046.192	815001.306	601044.887
	2021	1440588.850	818215.773	622373.077
	2022	1464157.934	821092.444	643065.491

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

		2023	1486810.237	823693.287	663116.950
		2024	1508591.729	826035.138	682556.592
		2025	1526875.621	827924.344	698951.277
		2026	1543659.810	829561.338	714098.471
		2027	1559623.774	831041.647	728582.127
		2028	1574852.850	832392.517	742460.333
		2029	1589437.452	833629.081	755808.372
		2030	1600568.199	834540.697	766027.502
		2031	1610776.297	835348.778	775427.518
		2032	1620483.563	836095.128	784388.435
		2033	1629745.442	836789.087	792956.355
		2034	1638721.425	837438.342	801283.083
		2035	1644649.404	837850.253	806799.151
		2036	1650181.590	838223.873	811957.717
		2037	1655476.066	838575.753	816900.313
		2038	1660507.914	838909.255	821598.659
		2039	1665361.569	839227.001	826134.569
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347333.655	750.392
		1993	467278.318	465438.303	1840.015
		1994	584216.907	580602.674	3614.233
		1995	697391.457	691236.268	6155.189
		1996	809471.271	799851.591	9619.680
		1997	922587.668	908342.795	14244.873
		1998	1034072.457	1014110.497	19961.960
		1999	1153475.399	1125981.696	27493.703
		2000	1268050.268	1231653.876	36396.392
		2001	1382786.209	1335699.125	47087.084
		2002	1497557.412	1437796.551	59760.861
		2003	1614405.229	1539933.149	74472.081
		2004	1726672.489	1635991.575	90680.914
		2005	1847277.524	1737138.030	110139.495
		2006	1961009.963	1830150.203	130859.760
		2007	2079868.908	1924810.350	155058.558
		2008	2206755.783	2023390.089	183365.694
		2009	2331993.380	2117981.823	214011.557
		2010	2455130.176	2208396.533	246733.644
		2011	2582657.849	2299166.567	283491.282
		2012	2709719.005	2386625.093	323093.912
		2013	2840547.005	2473533.941	367013.065
		2014	2971677.135	2557559.181	414117.954
		2015	3104538.983	2640727.766	463811.217
		2016	3237650.175	2720705.205	516944.971
		2017	3370561.253	2797658.250	572903.003
		2018	3503136.371	2870852.589	632283.782
		2019	3636402.758	2941333.146	695069.612
		2020	3768054.453	3008609.175	759445.278
		2021	3897675.067	3071796.745	825878.322
		2022	4027307.132	3131946.632	895360.500
		2023	4156698.720	3188966.378	967732.343
		2024	4285772.226	3242921.557	1042850.67
		2025	4410759.298	3293250.121	1117509.18
		2026	4531411.064	3338880.521	1192530.54
		2027	4651145.233	3381534.919	1269610.31
		2028	4769837.872	3421276.450	1348561.42
		2029	4887747.179	3458346.033	1429401.15
2030	4997632.895	3491717.038	1505915.86		
2031	5103301.991	3521132.043	1582169.95		
2032	5207593.613	3548201.919	1659391.69		
2033	5310556.138	3572983.450	1737572.69		
2034	5412542.816	3595797.295	1816745.52		
2035	5500522.473	3614938.130	1885584.34		
2036	5588149.640	3632335.913	1955813.73		
2037	5674667.886	3648310.231	2026357.65		
2038	5760391.289	3662924.192	2097467.10		
2039	5845459.234	3676445.664	2169013.57		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.321	168.190
		1992	240642.531	240002.541	639.990
		1993	329362.093	327711.028	1651.065
		1994	418569.515	415261.651	3307.864
		1995	509110.357	503290.124	5820.233
		1996	600040.117	590794.433	9245.684
		1997	691159.071	677446.284	13712.786
		1998	782866.899	763575.243	19291.655
		1999	881526.925	854874.647	26652.278
		2000	977880.647	942721.251	35159.396

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

2001	1076787.404	1031351.903	45435.501
2002	1174842.754	1117541.570	57301.184
2003	1275102.681	1204038.263	71064.418
2004	1371026.306	1285129.225	85897.080
2005	1473954.509	1370095.706	103858.802
2006	1574450.828	1451089.820	123361.008
2007	1673790.211	1529138.388	144651.823
2008	1782360.738	1612198.870	170161.867
2009	1892944.209	1694154.218	198789.992
2010	2002131.282	1772852.982	229278.300
2011	2114522.152	1851140.146	263382.006
2012	2228079.372	1927748.117	300331.255
2013	2345377.689	2004049.878	341327.811
2014	2462498.422	2077402.096	385096.326
2015	2581450.312	2150010.460	431439.852
2016	2701959.301	2220691.109	481268.192
2017	2823834.967	2289309.559	534525.408
2018	2938265.081	2351696.233	586568.847
2019	3053254.880	2411714.348	641540.532
2020	3167073.216	2469083.541	697989.675
2021	3279517.699	2523799.047	755718.652
2022	3392060.964	2576011.649	816049.314
2023	3504296.171	2625632.336	878663.835
2024	3616019.231	2672527.796	943491.435
2025	3724611.269	2716453.658	1008157.61
2026	3827181.707	2756413.018	1070768.69
2027	3928684.441	2793815.938	1134868.50
2028	4029124.892	2828860.225	1200264.67
2029	4128269.068	2861406.356	1266862.71
2030	4221560.174	2890978.501	1330581.67
2031	4304170.584	2915701.768	1388468.82
2032	4384930.537	2938312.218	1446618.32
2033	4464357.691	2959129.901	1505227.79
2034	4542251.545	2978091.893	1564159.65
2035	4611066.648	2994339.134	1616727.51
2036	4670309.230	3007258.180	1663051.05
2037	4728179.514	3018995.848	1709183.67
2038	4785008.048	3029710.622	1755297.43
2039	4841291.793	3039513.428	1801778.37

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	238683.977	205227.057
		35-39	1146798.555	610243.444	536555.111
		40-44	2609591.408	1349167.978	1260423.43
		45-49	4775841.753	2428118.032	2347723.72
		50-54	7446969.205	3925842.223	3521126.98
		55-59	8240205.925	4771295.184	3468910.74
		60-64	8772829.118	5499674.699	3273154.42
		65-69	6161494.678	4243210.109	1918284.57
		70-74	2495906.274	1778607.274	717298.999
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	142114.245	87026.316
		35-39	570217.942	347146.463	223071.478
		40-44	1267538.938	748645.249	518893.689
		45-49	2340070.698	1359164.050	980906.648
		50-54	3743803.613	2189604.741	1554198.87
		55-59	4591478.168	2807126.419	1784351.75
		60-64	5207367.788	3305062.784	1902305.00
		65-69	4092181.394	2736939.809	1355241.59
70-74		1776092.171	1205518.221	570573.949	
Lung cancer	Males	30-34	66065.017	51712.541	14352.476
		35-39	232509.414	183484.631	49024.784
		40-44	688628.041	531489.729	157138.312
		45-49	1528300.367	1142312.132	385988.235
		50-54	2730187.229	2007521.021	722666.209
		55-59	3909101.673	2855854.172	1053247.50
		60-64	4287716.660	3223303.002	1064413.66
		65-69	3467897.115	2656175.004	811722.111
		70-74	1312144.343	1021280.562	290863.782
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40645.069	11268.044
		35-39	189792.904	148856.758	40936.146
		40-44	527596.573	396619.330	130977.243
		45-49	1122524.269	812310.482	310213.786
		50-54	1882214.322	1331788.765	550425.557
		55-59	2595581.943	1811859.595	783722.348
		60-64	2846273.090	2024084.478	822188.612
		65-69	2358758.394	1695538.427	663219.967
70-74		937814.238	681994.164	255820.073	
IHD	Males	30-34	263834.566	117992.888	145841.678
		35-39	692140.150	295160.109	396980.041
		40-44	1519708.432	588864.931	930843.501
		45-49	2568546.697	911115.964	1657430.73
		50-54	3632929.903	1340974.189	2291955.71
		55-59	2807892.356	1098170.591	1709721.77
		60-64	2599825.934	1191664.301	1408161.63
		65-69	1113578.307	583540.251	530038.056
		70-74	437536.271	261488.501	176047.769
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	37852.193	41796.904
		35-39	193965.908	81447.686	112518.221
		40-44	403380.974	151123.428	252257.546
		45-49	671385.408	232831.376	438554.032
		50-54	1011875.989	376040.561	635835.429
		55-59	849875.715	343991.407	505884.309
		60-64	925490.876	436192.169	489298.708
		65-69	455463.881	246010.438	209453.443
70-74		207681.216	125515.161	82166.056	
Stroke	Males	30-34	73463.650	43068.115	30395.535
		35-39	151934.057	86388.815	65545.242
		40-44	262845.974	141430.433	121415.541
		45-49	383421.246	192597.008	190824.238
		50-54	479872.634	218809.696	261062.938
		55-59	437124.903	184459.622	252665.282
		60-64	419457.235	180370.148	239087.087
		65-69	128180.574	57699.210	70481.364
		70-74	53245.965	26108.500	27137.465
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	40065.099	22853.991

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

		35-39	120806.205	72695.725	48110.480	
		40-44	203391.885	113506.261	89885.624	
		45-49	278172.097	143983.320	134188.777	
		50-54	325979.181	157261.008	168718.173	
		55-59	275161.340	124712.430	150448.910	
		60-64	268920.493	123470.229	145450.264	
		65-69	87956.054	41969.550	45986.504	
		70-74	42055.224	20887.558	21167.665	
		75-79	0.000	0.000	0.000	
COPD	Males	30-34	40547.801	25910.433	14637.368	
		35-39	70214.933	45209.890	25005.044	
		40-44	138408.960	87382.885	51026.075	
		45-49	295573.443	182092.928	113480.515	
		50-54	603979.438	358537.317	245442.121	
		55-59	1086086.992	632810.800	453276.192	
		60-64	1465829.290	904337.248	561492.042	
		65-69	1451838.682	945795.644	506043.038	
		70-74	692979.695	469729.712	223249.983	
			75-79	0.000	0.000	0.000
		Female	30-34	34659.261	23551.884	11107.377
			35-39	65652.924	44146.294	21506.631
			40-44	133169.505	87396.230	45773.275
			45-49	267988.924	170038.872	97950.053
			50-54	523734.121	324514.407	199219.714
			55-59	870859.170	526562.987	344296.182
			60-64	1166683.329	721315.908	445367.421
			65-69	1190003.066	753421.394	436581.672
			70-74	588541.493	377121.338	211420.155
			75-79	0.000	0.000	0.000

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	238699.292	205211.742
		35-39	1146798.555	610359.649	536438.906
		40-44	2609591.408	1349924.882	1259666.53
		45-49	4775841.753	2431509.736	2344332.02
		50-54	7446969.205	3936197.522	3510771.68
		55-59	8240205.925	4788241.179	3451964.75
		60-64	8772829.118	5528603.499	3244225.62
		65-69	6161494.678	4268174.993	1893319.69
	70-74	2495906.274	1792338.592	703567.681	
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	142118.173	87022.387
		35-39	570217.942	347175.885	223042.057
		40-44	1267538.938	748834.778	518704.160
		45-49	2340070.698	1360010.092	980060.607
		50-54	3743803.613	2192291.881	1551511.73
		55-59	4591478.168	2812347.624	1779130.54
		60-64	5207367.788	3315180.334	1892187.45
65-69		4092181.394	2747910.770	1344270.62	
70-74		1776092.171	1212603.436	563488.734	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	51716.159	14348.858
		35-39	232509.414	183524.180	48985.234
		40-44	688628.041	531833.027	156795.014
		45-49	1528300.367	1144140.708	384159.659
		50-54	2730187.229	2013471.176	716716.053
		55-59	3909101.673	2866796.630	1042305.04
		60-64	4287716.660	3241425.968	1046290.69
		65-69	3467897.115	2671917.726	795979.389
	70-74	1312144.343	1029245.934	282898.409	
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40646.356	11266.756
		35-39	189792.904	148870.579	40922.325
		40-44	527596.573	396729.948	130866.625
		45-49	1122524.269	812853.665	309670.604
		50-54	1882214.322	1333534.926	548679.396
		55-59	2595581.943	1815374.024	780207.919
		60-64	2846273.090	2030547.851	815725.239
65-69		2358758.394	1702293.438	656464.956	
70-74		937814.238	685984.313	251829.924	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	118000.103	145834.462
		35-39	692140.150	295209.655	396930.495
		40-44	1519708.432	589135.039	930573.393
		45-49	2568546.697	912069.594	1656477.10
		50-54	3632929.903	1343452.082	2289477.82
		55-59	2807892.356	1100407.237	1707485.12
		60-64	2599825.934	1194919.554	1404906.38
		65-69	1113578.307	584963.142	528615.166
	70-74	437536.271	262255.136	175281.134	
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	37853.176	41795.920
		35-39	193965.908	81453.727	112512.180
		40-44	403380.974	151153.112	252227.862
		45-49	671385.408	232932.262	438453.146
		50-54	1011875.989	376327.213	635548.776
		55-59	849875.715	344304.860	505570.855
		60-64	925490.876	436774.710	488716.166
65-69		455463.881	246347.224	209116.657	
70-74		207681.216	125751.158	81930.058	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	43070.555	30393.095
		35-39	151934.057	86404.109	65529.948
		40-44	262845.974	141502.760	121343.214
		45-49	383421.246	192832.541	190588.705
		50-54	479872.634	219294.720	260577.914
		55-59	437124.903	184941.796	252183.108
		60-64	419457.235	181008.217	238449.018
		65-69	128180.574	57871.667	70308.907
	70-74	53245.965	26194.265	27051.700	
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	40066.003	22853.087

Results for PHIM for Run 2 (ELL Summary Main_Analysis.RTF)

		35-39	120806.205	72700.709	48105.496	
		40-44	203391.885	113528.310	89863.576	
		45-49	278172.097	144048.534	134123.563	
		50-54	325979.181	157392.218	168586.963	
		55-59	275161.340	124849.429	150311.911	
		60-64	268920.493	123672.215	145248.278	
		65-69	87956.054	42037.992	45918.061	
		70-74	42055.224	20931.590	21123.634	
		75-79	0.000	0.000	0.000	
COPD	Males	30-34	40547.801	25912.474	14635.327	
		35-39	70214.933	45221.705	24993.229	
		40-44	138408.960	87454.055	50954.905	
		45-49	295573.443	182466.892	113106.551	
		50-54	603979.438	359979.544	243999.894	
		55-59	1086086.992	636095.518	449991.474	
		60-64	1465829.290	911249.761	554579.529	
		65-69	1451838.682	953422.458	498416.224	
		70-74	692979.695	474643.257	218336.438	
		75-79	0.000	0.000	0.000	
		Female	30-34	34659.261	23552.637	11106.624
			35-39	65652.924	44150.869	21502.055
			40-44	133169.505	87423.408	45746.097
			45-49	267988.924	170175.630	97813.294
			50-54	523734.121	325037.523	198696.597
			55-59	870859.170	527819.311	343039.859
			60-64	1166683.329	724185.558	442497.771
			65-69	1190003.066	757232.116	432770.950
			70-74	588541.493	379936.375	208605.118
		75-79	0.000	0.000	0.000	

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

)

System Date and Time: 20210220T083445
User: JohnS
SAS Version: 9.4
Project: Population Health Impact Model 7.3

The System is running in Test Mode

Maximum Upper Age for P Component = 79
Upper Age for ELL Calculations = 75
Report in E-component: Social Classes A and B combined
Description: Pessimistic Analysis for VeneBio on US
Assumption Files:
Options Control File: C:\VeneBio\OG_Test\US_Control_V_PA.CSV
TTP Test File: C:\VeneBio\OG_Test\TTP_Test_PA.csv
TTP Reference File: C:\VeneBio\OG_Test\TTP_Reference_V.csv
TTP Factor Test File: C:\VeneBio\OG_Test\TTP_FACTOR_Test.csv
TTP Factor Reference File: C:\VeneBio\OG_Test\TTP_FACTOR_Test.csv
TP Socioeconomic Groups: Not Used
Output Choices:C:\VeneBio\OG_Test\OUTC_PA.csv

Main Results will be sent to the folder C:\VeneBio\Main_Results\
Plots will be sent to the folder C:\VeneBio\Plot_Results\Plots_20210220T083445
Saved P, E and/or A Component results will be sent to the folder C:\VeneBio\SAVED\Saved_20210220T083445\

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Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Control File Details for Run: 1

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.4
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Pessimistic_Analysis
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

TTP values for Run: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

TTP values for Run: 1, Scenario: Ecig

Variable Parameter		Value									
1. Country		US (United States)									
2. Sex		M (Males)									
3. Assumption Set		ISS3									
Note:		Period is in Months									
Age	Period	Initiation			Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual	
10-14	1-12	0.001921	0.002882	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000	
15-19	1-12	0.002360	0.003540	0.000000	0.003614	0.001807	0.000000	0.000000	0.000000	0.000000	
20-24	1-12	0.000188	0.000282	0.000000	0.000943	0.000472	0.000000	0.000000	0.000000	0.000000	
25-29	1-12	0.000093	0.000140	0.000000	0.001143	0.000571	0.000000	0.000000	0.000000	0.000000	
30-34	1-12	0.000047	0.000070	0.000000	0.000871	0.000435	0.000000	0.000000	0.000000	0.000000	
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000433	0.000000	0.000000	0.000000	0.000000	
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.000699	0.000000	0.000000	0.000000	0.000000	
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.001016	0.000000	0.000000	0.000000	0.000000	
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.001604	0.000000	0.000000	0.000000	0.000000	
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.001787	0.000000	0.000000	0.000000	0.000000	
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.001730	0.000000	0.000000	0.000000	0.000000	
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.002068	0.000000	0.000000	0.000000	0.000000	
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.002796	0.000000	0.000000	0.000000	0.000000	
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.002796	0.000000	0.000000	0.000000	0.000000	
10-14	13-72	0.001962	0.004415	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000	
15-19	13-72	0.002796	0.006290	0.000000	0.004426	0.002213	0.000000	0.000000	0.000000	0.000000	
20-24	13-72	0.000275	0.000618	0.000000	0.001527	0.000764	0.000000	0.000000	0.000000	0.000000	
25-29	13-72	0.000385	0.000866	0.000000	0.001515	0.000758	0.000000	0.000000	0.000000	0.000000	
30-34	13-72	0.000146	0.000328	0.000000	0.001227	0.000613	0.000000	0.000000	0.000000	0.000000	
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.000815	0.000000	0.000000	0.000000	0.000000	
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.000926	0.000000	0.000000	0.000000	0.000000	
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.001333	0.000000	0.000000	0.000000	0.000000	
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.001604	0.000000	0.000000	0.000000	0.000000	
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.001989	0.000000	0.000000	0.000000	0.000000	
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.002886	0.000000	0.000000	0.000000	0.000000	
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.005216	0.000000	0.000000	0.000000	0.000000	
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.003540	0.000000	0.000000	0.000000	0.000000	
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.003540	0.000000	0.000000	0.000000	0.000000	
10-14	73-132	0.000862	0.005174	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000	
15-19	73-132	0.001066	0.006396	0.000000	0.003289	0.001645	0.000000	0.000000	0.000000	0.000000	
20-24	73-132	0.000491	0.002947	0.000000	0.003844	0.001922	0.000000	0.000000	0.000000	0.000000	
25-29	73-132	0.000168	0.001007	0.000000	0.002006	0.001003	0.000000	0.000000	0.000000	0.000000	
30-34	73-132	0.000083	0.000497	0.000000	0.001329	0.000664	0.000000	0.000000	0.000000	0.000000	
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.000639	0.000000	0.000000	0.000000	0.000000	
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.000846	0.000000	0.000000	0.000000	0.000000	
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.001452	0.000000	0.000000	0.000000	0.000000	
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.001660	0.000000	0.000000	0.000000	0.000000	
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.001988	0.000000	0.000000	0.000000	0.000000	
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.002617	0.000000	0.000000	0.000000	0.000000	
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.002951	0.000000	0.000000	0.000000	0.000000	
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.002808	0.000000	0.000000	0.000000	0.000000	
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.002808	0.000000	0.000000	0.000000	0.000000	
10-14	133-192	0.000173	0.004941	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000	
15-19	133-192	0.000234	0.006663	0.000000	0.003732	0.001866	0.000000	0.000000	0.000000	0.000000	
20-24	133-192	0.000003	0.000089	0.000000	0.002260	0.001130	0.000000	0.000000	0.000000	0.000000	
25-29	133-192	0.000071	0.002027	0.000000	0.002822	0.001411	0.000000	0.000000	0.000000	0.000000	
30-34	133-192	0.000035	0.000992	0.000000	0.002610	0.001305	0.000000	0.000000	0.000000	0.000000	
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.001029	0.000000	0.000000	0.000000	0.000000	
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.001155	0.000000	0.000000	0.000000	0.000000	
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.001128	0.000000	0.000000	0.000000	0.000000	
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.001332	0.000000	0.000000	0.000000	0.000000	
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.000873	0.000000	0.000000	0.000000	0.000000	
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.002905	0.000000	0.000000	0.000000	0.000000	
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.002948	0.000000	0.000000	0.000000	0.000000	
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.003661	0.000000	0.000000	0.000000	0.000000	
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.003661	0.000000	0.000000	0.000000	0.000000	
10-14	193-252	0.000116	0.003298	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000	
15-19	193-252	0.000199	0.005682	0.000000	0.005036	0.002518	0.000000	0.000000	0.000000	0.000000	
20-24	193-252	0.000016	0.000456	0.000000	0.002857	0.001429	0.000000	0.000000	0.000000	0.000000	
25-29	193-252	0.000013	0.000358	0.000000	0.002314	0.001157	0.000000	0.000000	0.000000	0.000000	
30-34	193-252	0.000006	0.000178	0.000000	0.004343	0.002171	0.000000	0.000000	0.000000	0.000000	
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.001046	0.000000	0.000000	0.000000	0.000000	
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.001283	0.000000	0.000000	0.000000	0.000000	
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.001156	0.000000	0.000000	0.000000	0.000000	
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.001604	0.000000	0.000000	0.000000	0.000000	

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.002029	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.003583	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.002141	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.002290	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.002290	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001888	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.004253	0.000000	0.010602	0.005301	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000644	0.000000	0.004314	0.002157	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000320	0.000000	0.003645	0.001823	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000160	0.000000	0.004512	0.002256	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.001073	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.001318	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.000525	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.001259	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.001847	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.002944	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.002412	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.002366	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.002366	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

25-29	253+	0.009232	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.009517	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.008769	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.008295	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.007061	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.005807	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.005067	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.003551	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000907	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Main Output for the Tobacco History for Run: 1, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Main Output for the Tobacco History for Run: 1, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	37668	40.81					
5	All Ages	CC	16332	17.70	0	0.00			
5	All Ages	Ecig	11519	12.48					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26771	29.01			15.26	1588	5.93
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2215	62.50					
5	18-19	CC	361	10.19	0	0.00			
5	18-19	Ecig	884	24.94					
5	18-19	Dual	0	0.00					
5	18-19	Former	84	2.37			0.95	63	75.00
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5440	60.18					
5	20-24	CC	1327	14.68	0	0.00			
5	20-24	Ecig	1734	19.18					
5	20-24	Dual	0	0.00					
5	20-24	Former	539	5.96			2.77	160	29.68
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5406	55.07					
5	25-29	CC	1806	18.40	0	0.00			
5	25-29	Ecig	1496	15.24					
5	25-29	Dual	0	0.00					
5	25-29	Former	1108	11.29			5.57	90	8.12
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

5	30-34	Never Any	5022	47.09					
5	30-34	CC	2076	19.47	0	0.00			
5	30-34	Ecig	1797	16.85					
5	30-34	Dual	0	0.00					
5	30-34	Former	1769	16.59			7.05	87	4.92
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4712	43.17					
5	35-39	CC	2143	19.63	0	0.00			
5	35-39	Ecig	1653	15.14					
5	35-39	Dual	0	0.00					
5	35-39	Former	2408	22.06			8.24	112	4.65
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1852	18.73	0	0.00			
5	40-44	Ecig	1336	13.51					
5	40-44	Dual	0	0.00					
5	40-44	Former	2760	27.91			12.10	137	4.96
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1733	20.02	0	0.00			
5	45-49	Ecig	1056	12.20					
5	45-49	Dual	0	0.00					
5	45-49	Former	2954	34.13			14.16	141	4.77
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	1375	21.11	0	0.00			
5	50-54	Ecig	649	9.96					
5	50-54	Dual	0	0.00					
5	50-54	Former	2572	39.48			16.39	111	4.32
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	1051	19.19	0	0.00			
5	55-59	Ecig	434	7.92					
5	55-59	Dual	0	0.00					
5	55-59	Former	2381	43.47			17.12	121	5.08
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	869	17.44	0	0.00			
5	60-64	Ecig	306	6.14					
5	60-64	Dual	0	0.00					
5	60-64	Former	2471	49.59			17.31	133	5.38
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	708	14.43	0	0.00			
5	65-69	Ecig	156	3.18					
5	65-69	Dual	0	0.00					
5	65-69	Former	2872	58.55			20.61	202	7.03
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	595	13.56	0	0.00			
5	70-74	Ecig	18	0.41					
5	70-74	Dual	0	0.00					
5	70-74	Former	2751	62.71			21.85	137	4.98
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	436	12.46	0	0.00			
5	75-79	Ecig	0	0.00					
5	75-79	Dual	0	0.00					
5	75-79	Former	2102	60.07			23.00	94	4.47
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	37583	39.94					
10	All Ages	CC	9539	10.14	0	0.00			
10	All Ages	Ecig	18758	19.94					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	28212	29.98			17.42	1320	4.68
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4038	45.65					
10	20-24	CC	664	7.51	0	0.00			
10	20-24	Ecig	3423	38.70					
10	20-24	Dual	0	0.00					
10	20-24	Former	720	8.14			3.45	196	27.22
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	4870	53.87					
10	25-29	CC	750	8.30	0	0.00			
10	25-29	Ecig	2557	28.29					
10	25-29	Dual	0	0.00					
10	25-29	Former	863	9.55			5.57	131	15.18
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5125	52.21					
10	30-34	CC	979	9.97	0	0.00			
10	30-34	Ecig	2359	24.03					
10	30-34	Dual	0	0.00					
10	30-34	Former	1353	13.78			9.04	88	6.50
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4926	46.19					
10	35-39	CC	1168	10.95	0	0.00			
10	35-39	Ecig	2621	24.58					
10	35-39	Dual	0	0.00					
10	35-39	Former	1949	18.28			11.12	64	3.28
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4712	43.17					
10	40-44	CC	1178	10.79	0	0.00			
10	40-44	Ecig	2393	21.92					
10	40-44	Dual	0	0.00					
10	40-44	Former	2633	24.12			12.29	81	3.08
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	1039	10.51	0	0.00			
10	45-49	Ecig	1880	19.01					
10	45-49	Dual	0	0.00					
10	45-49	Former	3029	30.63			15.75	116	3.83
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	953	11.01	0	0.00			
10	50-54	Ecig	1495	17.27					
10	50-54	Dual	0	0.00					
10	50-54	Former	3295	38.07			17.39	132	4.01
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	787	12.08	0	0.00			
10	55-59	Ecig	911	13.98					
10	55-59	Dual	0	0.00					

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10	55-59	Former	2898	44.48			19.22	124	4.28
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	1611	29.41					
10	60-64	CC	626	11.43	0	0.00			
10	60-64	Ecig	597	10.90					
10	60-64	Dual	0	0.00					
10	60-64	Former	2643	48.26			20.11	119	4.50
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	1337	26.83					
10	65-69	CC	519	10.42	0	0.00			
10	65-69	Ecig	364	7.30					
10	65-69	Dual	0	0.00					
10	65-69	Former	2763	55.45			20.16	127	4.60
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	1169	23.83					
10	70-74	CC	474	9.66	0	0.00			
10	70-74	Ecig	145	2.96					
10	70-74	Dual	0	0.00					
10	70-74	Former	3117	63.55			23.79	69	2.21
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	1023	23.32					
10	75-79	CC	402	9.16	0	0.00			
10	75-79	Ecig	13	0.30					
10	75-79	Dual	0	0.00					
10	75-79	Former	2949	67.22			25.19	73	2.48
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	35646	39.74					
15	All Ages	CC	5286	5.89	0	0.00			
15	All Ages	Ecig	20616	22.98					
15	All Ages	Dual	0	0.00					
15	All Ages	Former	28157	31.39			19.52	1141	4.05
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0	.					
15	18-19	CC	0	.	0	.			
15	18-19	Ecig	0	.					
15	18-19	Dual	0	.					
15	18-19	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0	.					
15	20-24	CC	0	.	0	.			
15	20-24	Ecig	0	.					
15	20-24	Dual	0	.					
15	20-24	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	3679	41.59					
15	25-29	CC	350	3.96	0	0.00			
15	25-29	Ecig	3734	42.22					
15	25-29	Dual	0	0.00					
15	25-29	Former	1082	12.23			6.34	139	12.85
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	4479	49.55					
15	30-34	CC	373	4.13	0	0.00			
15	30-34	Ecig	2990	33.08					
15	30-34	Dual	0	0.00					
15	30-34	Former	1198	13.25			8.14	140	11.69
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	4961	50.54					
15	35-39	CC	532	5.42	0	0.00			

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15	35-39	Ecig	2742	27.93					
15	35-39	Dual	0	0.00					
15	35-39	Former	1581	16.11			12.30	93	5.88
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4926	46.19					
15	40-44	CC	622	5.83	0	0.00			
15	40-44	Ecig	2883	27.03					
15	40-44	Dual	0	0.00					
15	40-44	Former	2233	20.94			14.31	124	5.55
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4712	43.17					
15	45-49	CC	657	6.02	0	0.00			
15	45-49	Ecig	2637	24.16					
15	45-49	Dual	0	0.00					
15	45-49	Former	2910	26.66			15.83	109	3.75
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	637	6.44	0	0.00			
15	50-54	Ecig	2030	20.53					
15	50-54	Dual	0	0.00					
15	50-54	Former	3281	33.18			19.31	100	3.05
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	596	6.89	0	0.00			
15	55-59	Ecig	1633	18.87					
15	55-59	Dual	0	0.00					
15	55-59	Former	3514	40.60			21.14	72	2.05
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	469	7.20	0	0.00			
15	60-64	Ecig	973	14.93					
15	60-64	Dual	0	0.00					
15	60-64	Former	3154	48.41			22.41	118	3.74
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	374	6.83	0	0.00			
15	65-69	Ecig	564	10.30					
15	65-69	Dual	0	0.00					
15	65-69	Former	2928	53.46			22.88	103	3.52
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	358	7.18	0	0.00			
15	70-74	Ecig	315	6.32					
15	70-74	Dual	0	0.00					
15	70-74	Former	2973	59.66			23.54	69	2.32
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	318	6.48	0	0.00			
15	75-79	Ecig	115	2.34					
15	75-79	Dual	0	0.00					
15	75-79	Former	3303	67.34			27.28	74	2.24
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	34261	40.40					
20	All Ages	CC	2878	3.39	0	0.00			
20	All Ages	Ecig	19984	23.57					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	27677	32.64			21.29	1139	4.12
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	3537	39.99					
20	30-34	CC	155	1.75	0	0.00			
20	30-34	Ecig	3656	41.33					
20	30-34	Dual	0	0.00					
20	30-34	Former	1497	16.92			8.72	190	12.69
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4405	48.73					
20	35-39	CC	188	2.08	0	0.00			
20	35-39	Ecig	2887	31.94					
20	35-39	Dual	0	0.00					
20	35-39	Former	1560	17.26			10.58	123	7.88
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	4961	50.54					
20	40-44	CC	295	3.01	0	0.00			
20	40-44	Ecig	2735	27.86					
20	40-44	Dual	0	0.00					
20	40-44	Former	1825	18.59			15.26	97	5.32
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4926	46.19					
20	45-49	CC	342	3.21	0	0.00			
20	45-49	Ecig	2877	26.98					
20	45-49	Dual	0	0.00					
20	45-49	Former	2519	23.62			17.35	110	4.37
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4712	43.17					
20	50-54	CC	377	3.45	0	0.00			
20	50-54	Ecig	2629	24.08					
20	50-54	Dual	0	0.00					
20	50-54	Former	3198	29.30			19.14	117	3.66
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	372	3.76	0	0.00			
20	55-59	Ecig	1976	19.98					
20	55-59	Dual	0	0.00					
20	55-59	Former	3600	36.40			22.33	123	3.42
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	332	3.84	0	0.00			
20	60-64	Ecig	1547	17.87					
20	60-64	Dual	0	0.00					
20	60-64	Former	3864	44.64			23.92	186	4.81
Year of Follow-up: 2010, Age Group: 65-69									

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	283	4.34	0	0.00			
20	65-69	Ecig	890	13.66					
20	65-69	Dual	0	0.00					
20	65-69	Former	3423	52.54			25.43	89	2.60
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	270	4.93	0	0.00			
20	70-74	Ecig	510	9.31					
20	70-74	Dual	0	0.00					
20	70-74	Former	3086	56.34			26.56	60	1.94
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	264	5.30	0	0.00			
20	75-79	Ecig	277	5.56					
20	75-79	Dual	0	0.00					
20	75-79	Former	3105	62.31			27.42	44	1.42
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	32900	41.22					
25	All Ages	CC	1555	1.95	0	0.00			
25	All Ages	Ecig	18489	23.16					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	26873	33.67			23.51	830	3.09
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	3513	39.72					
25	35-39	CC	70	0.79	0	0.00			
25	35-39	Ecig	3376	38.17					
25	35-39	Dual	0	0.00					
25	35-39	Former	1886	21.32			11.35	131	6.95
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4405	48.73					
25	40-44	CC	87	0.96	0	0.00			
25	40-44	Ecig	2774	30.69					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1774	19.62			13.94	89	5.02
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	4961	50.54					
25	45-49	CC	166	1.69	0	0.00			
25	45-49	Ecig	2676	27.26					
25	45-49	Dual	0	0.00					
25	45-49	Former	2013	20.51			18.58	56	2.78
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4926	46.19					
25	50-54	CC	194	1.82	0	0.00			
25	50-54	Ecig	2831	26.55					
25	50-54	Dual	0	0.00					
25	50-54	Former	2713	25.44			20.88	94	3.46
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4712	43.17					
25	55-59	CC	202	1.85	0	0.00			
25	55-59	Ecig	2493	22.84					
25	55-59	Dual	0	0.00					
25	55-59	Former	3509	32.15			22.19	110	3.13
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	202	2.04	0	0.00			
25	60-64	Ecig	1785	18.05					
25	60-64	Dual	0	0.00					
25	60-64	Former	3961	40.05			25.03	135	3.41
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	219	2.53	0	0.00			
25	65-69	Ecig	1325	15.31					
25	65-69	Dual	0	0.00					
25	65-69	Former	4199	48.52			26.79	109	2.60
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	216	3.32	0	0.00			
25	70-74	Ecig	779	11.96					
25	70-74	Dual	0	0.00					
25	70-74	Former	3601	55.27			29.03	61	1.69
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	199	3.63	0	0.00			
25	75-79	Ecig	450	8.22					
25	75-79	Dual	0	0.00					
25	75-79	Former	3217	58.74			30.36	45	1.40
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	31289	42.09					
30	All Ages	CC	861	1.16	0	0.00			
30	All Ages	Ecig	16609	22.34					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	25581	34.41			25.66	740	2.89
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	3513	39.72					
30	40-44	CC	34	0.38	0	0.00			
30	40-44	Ecig	3160	35.73					
30	40-44	Dual	0	0.00					
30	40-44	Former	2138	24.17			14.67	103	4.82
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4405	48.73					
30	45-49	CC	52	0.58	0	0.00			
30	45-49	Ecig	2637	29.17					
30	45-49	Dual	0	0.00					
30	45-49	Former	1946	21.53			17.47	53	2.72
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	4961	50.54					
30	50-54	CC	99	1.01	0	0.00			
30	50-54	Ecig	2606	26.55					
30	50-54	Dual	0	0.00					
30	50-54	Former	2150	21.90			22.19	68	3.16
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4926	46.19					
30	55-59	CC	114	1.07	0	0.00			
30	55-59	Ecig	2629	24.65					
30	55-59	Dual	0	0.00					
30	55-59	Former	2995	28.09			23.64	100	3.34
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4712	43.17					
30	60-64	CC	115	1.05	0	0.00			
30	60-64	Ecig	2199	20.14					
30	60-64	Dual	0	0.00					
30	60-64	Former	3890	35.64			24.71	165	4.24
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	133	1.34	0	0.00			
30	65-69	Ecig	1543	15.60					
30	65-69	Dual	0	0.00					
30	65-69	Former	4272	43.20			28.00	119	2.79
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	154	1.78	0	0.00			
30	70-74	Ecig	1144	13.22					
30	70-74	Dual	0	0.00					
30	70-74	Former	4445	51.36			30.15	80	1.80
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	160	2.46	0	0.00			
30	75-79	Ecig	691	10.61					
30	75-79	Dual	0	0.00					
30	75-79	Former	3745	57.48			32.81	52	1.39
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	29370	43.30					
35	All Ages	CC	473	0.70	0	0.00			
35	All Ages	Ecig	14438	21.29					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	23544	34.71			27.45	662	2.81
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	3513	39.72					
35	45-49	CC	20	0.23	0	0.00			
35	45-49	Ecig	2991	33.82					
35	45-49	Dual	0	0.00					
35	45-49	Former	2321	26.24			18.31	49	2.11
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4405	48.73					
35	50-54	CC	33	0.37	0	0.00			
35	50-54	Ecig	2537	28.06					
35	50-54	Dual	0	0.00					
35	50-54	Former	2065	22.84			21.27	57	2.76
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	4961	50.54					
35	55-59	CC	58	0.59	0	0.00			
35	55-59	Ecig	2368	24.12					
35	55-59	Dual	0	0.00					
35	55-59	Former	2429	24.75			24.29	123	5.06
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4926	46.19					
35	60-64	CC	65	0.61	0	0.00			
35	60-64	Ecig	2309	21.65					
35	60-64	Dual	0	0.00					
35	60-64	Former	3364	31.55			25.72	148	4.40
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4712	43.17					
35	65-69	CC	73	0.67	0	0.00			
35	65-69	Ecig	1870	17.13					
35	65-69	Dual	0	0.00					
35	65-69	Former	4261	39.03			27.31	134	3.14
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	104	1.05	0	0.00			
35	70-74	Ecig	1362	13.77					
35	70-74	Dual	0	0.00					
35	70-74	Former	4482	45.32			31.55	75	1.67
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	120	1.39	0	0.00			
35	75-79	Ecig	1001	11.57					
35	75-79	Dual	0	0.00					
35	75-79	Former	4622	53.40			33.88	76	1.64
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	26458	44.72					
40	All Ages	CC	228	0.39	0	0.00			
40	All Ages	Ecig	12012	20.30					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	20472	34.60			28.69	609	2.97
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any		3513	39.72					
40	50-54	CC		14	0.16	0	0.00			
40	50-54	Ecig		2852	32.24					
40	50-54	Dual		0	0.00					
40	50-54	Former		2466	27.88			22.05	69	2.80
Year of Follow-up: 2030, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any		4405	48.73					
40	55-59	CC		20	0.22	0	0.00			
40	55-59	Ecig		2308	25.53					
40	55-59	Dual		0	0.00					
40	55-59	Former		2307	25.52			23.73	89	3.86
Year of Follow-up: 2030, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any		4961	50.54					
40	60-64	CC		30	0.31	0	0.00			
40	60-64	Ecig		2059	20.98					
40	60-64	Dual		0	0.00					
40	60-64	Former		2766	28.18			25.94	155	5.60
Year of Follow-up: 2030, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any		4926	46.19					
40	65-69	CC		33	0.31	0	0.00			
40	65-69	Ecig		1969	18.46					
40	65-69	Dual		0	0.00					
40	65-69	Former		3736	35.03			27.87	127	3.40
Year of Follow-up: 2030, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any		4712	43.17					
40	70-74	CC		50	0.46	0	0.00			
40	70-74	Ecig		1631	14.94					
40	70-74	Dual		0	0.00					
40	70-74	Former		4523	41.43			30.55	96	2.12
Year of Follow-up: 2030, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any		3941	39.85					
40	75-79	CC		81	0.82	0	0.00			

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

40	75-79	Ecig	1193	12.06					
40	75-79	Dual	0	0.00					
40	75-79	Former	4674	47.26			35.13	73	1.56
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	22517	45.69					
45	All Ages	CC	102	0.21	0	0.00			
45	All Ages	Ecig	9520	19.32					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	17142	34.78			29.45	563	3.28
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

45	55-59	Never Any	3513	39.72					
45	55-59	CC	9	0.10	0	0.00			
45	55-59	Ecig	2636	29.80					
45	55-59	Dual	0	0.00					
45	55-59	Former	2687	30.38			24.97	103	3.83
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4405	48.73					
45	60-64	CC	14	0.15	0	0.00			
45	60-64	Ecig	2027	22.42					
45	60-64	Dual	0	0.00					
45	60-64	Former	2594	28.69			25.75	125	4.82
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	4961	50.54					
45	65-69	CC	18	0.18	0	0.00			
45	65-69	Ecig	1756	17.89					
45	65-69	Dual	0	0.00					
45	65-69	Former	3081	31.39			27.99	117	3.80
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4926	46.19					
45	70-74	CC	26	0.24	0	0.00			
45	70-74	Ecig	1709	16.03					
45	70-74	Dual	0	0.00					
45	70-74	Former	4003	37.54			30.81	115	2.87
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4712	43.17					
45	75-79	CC	35	0.32	0	0.00			
45	75-79	Ecig	1392	12.75					
45	75-79	Dual	0	0.00					
45	75-79	Former	4777	43.76			33.77	103	2.16
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	17805	46.41					
50	All Ages	CC	46	0.12	0	0.00			
50	All Ages	Ecig	7017	18.29					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	13497	35.18			30.19	465	3.45
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	3513	39.72					
50	60-64	CC	7	0.08	0	0.00			
50	60-64	Ecig	2285	25.83					
50	60-64	Dual	0	0.00					
50	60-64	Former	3040	34.37			26.70	163	5.36
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4405	48.73					
50	65-69	CC	6	0.07	0	0.00			
50	65-69	Ecig	1729	19.13					
50	65-69	Dual	0	0.00					
50	65-69	Former	2900	32.08			27.73	118	4.07
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	4961	50.54					
50	70-74	CC	13	0.13	0	0.00			
50	70-74	Ecig	1530	15.59					
50	70-74	Dual	0	0.00					
50	70-74	Former	3312	33.74			30.84	83	2.51
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4926	46.19					
50	75-79	CC	20	0.19	0	0.00			
50	75-79	Ecig	1473	13.81					
50	75-79	Dual	0	0.00					
50	75-79	Former	4245	39.81			33.87	101	2.38

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	4037084.197	472306.4	3.592	10.474	3806.31	1305.37	1168.65	136.722

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123873.164	126.278	0.040	0.102	4883.81	1933.45	1931.48	1.969
1992	308577	122014.015	121689.663	324.352	0.105	0.266	4729.73	1870.18	1865.20	4.972
1993	311713	122810.618	122195.247	615.371	0.197	0.501	4692.62	1848.83	1839.56	9.264
1994	305700	119925.592	118971.566	954.026	0.312	0.796	4516.19	1771.69	1757.60	14.094
1995	303225	117896.496	116520.681	1375.815	0.454	1.167	4393.80	1708.35	1688.41	19.936
1996	299559	115698.645	113866.225	1832.420	0.612	1.584	4273.16	1650.42	1624.28	26.139
1997	294226	113359.847	111063.249	2296.598	0.781	2.026	4128.67	1590.70	1558.47	32.227
1998	289258	111444.212	108678.734	2765.478	0.956	2.481	3992.19	1538.10	1499.93	38.168
1999	311002	114877.722	111117.570	3760.151	1.209	3.273	4224.60	1560.48	1509.40	51.077
2000	303786	112379.704	108017.543	4362.161	1.436	3.882	4066.21	1504.22	1445.83	58.388
2001	296294	110024.943	105019.397	5005.546	1.689	4.549	3914.28	1453.52	1387.39	66.127
2002	291898	108289.173	102554.454	5734.719	1.965	5.296	3813.00	1414.56	1339.65	74.911
2003	285865	106539.023	100187.979	6351.044	2.222	5.961	3695.36	1377.22	1295.12	82.099
2004	274177	103037.251	96162.823	6874.428	2.507	6.672	3506.10	1317.61	1229.70	87.908
2005	272379	103044.562	95502.265	7542.297	2.769	7.319	3442.69	1302.41	1207.08	95.330
2006	264118	99672.555	91436.308	8236.247	3.118	8.263	3307.76	1248.28	1145.13	103.149
2007	258419	97839.152	89078.066	8761.086	3.390	8.955	3203.20	1212.75	1104.15	108.597
2008	259461	98075.852	88714.450	9361.402	3.608	9.545	3180.09	1202.07	1087.33	114.738
2009	253907	95617.338	85794.454	9822.884	3.869	10.273	3075.31	1158.11	1039.14	118.974
2010	251878	94607.988	84367.449	10240.54	4.066	10.824	3013.72	1131.98	1009.46	122.528
2011	251779	93633.119	82762.832	10870.29	4.317	11.609	2982.76	1109.25	980.471	128.778
2012	252643	92775.175	81346.552	11428.62	4.524	12.319	2960.61	1087.19	953.263	133.927
2013	256175	92345.780	80305.701	12040.08	4.700	13.038	2967.76	1069.82	930.333	139.483
2014	257393	91379.215	78924.444	12454.77	4.839	13.630	2947.05	1046.26	903.654	142.602
2015	259782	90750.242	77919.415	12830.83	4.939	14.139	3346.10	1168.90	1003.63	165.266
2016	261453	88811.996	75587.022	13224.97	5.058	14.891	3336.15	1133.24	964.494	168.751
2017	263685	87325.126	73749.469	13575.66	5.148	15.546	3333.85	1104.08	932.438	171.641
2018	258714	87612.144	73899.715	13712.43	5.300	15.651	3240.73	1097.46	925.690	171.766
2019	261438	87797.760	73726.752	14071.01	5.382	16.027	3242.99	1089.08	914.539	174.543
2020	262288	87221.042	72992.945	14228.10	5.425	16.313	3715.29	1235.48	1033.94	201.540
2021	255079	82001.292	67941.638	14059.65	5.512	17.146	3587.82	1153.39	955.633	197.756
2022	257097	81915.977	67474.072	14441.91	5.617	17.630	3588.53	1143.37	941.796	201.579
2023	259080	81810.810	67060.731	14750.08	5.693	18.029	3586.88	1132.64	928.435	204.210
2024	260719	81528.303	66657.718	14870.58	5.704	18.240	3579.65	1119.38	915.206	204.172
2025	257308	79599.213	64881.940	14717.27	5.720	18.489	4112.08	1272.09	1036.89	235.199
2026	251528	75082.462	60855.609	14226.85	5.656	18.948	4003.24	1194.99	968.558	226.430
2027	250988	74444.425	60137.888	14306.54	5.700	19.218	3976.53	1179.46	952.795	226.666
2028	250285	73699.585	59300.454	14399.13	5.753	19.538	3945.35	1161.76	934.780	226.980
2029	249525	72819.703	58532.836	14286.87	5.726	19.620	3910.99	1141.36	917.428	223.929
2030	240528	69309.277	55515.726	13793.55	5.735	19.901	4504.36	1297.95	1039.64	258.311
2031	235442	65433.368	52338.296	13095.07	5.562	20.013	4397.65	1222.18	977.588	244.593
2032	234017	64643.552	51618.159	13025.39	5.566	20.150	4356.12	1203.31	960.847	242.461
2033	232559	63793.514	51021.495	12772.02	5.492	20.021	4310.93	1182.54	945.782	236.754
2034	230963	63032.151	50484.587	12547.56	5.433	19.907	4260.75	1162.80	931.326	231.474
2035	215822	57653.301	46033.427	11619.87	5.384	20.155	4924.38	1315.47	1050.34	265.130
2036	208183	52988.733	42241.847	10746.89	5.162	20.281	4748.94	1208.75	963.595	245.151
2037	205491	52026.921	41651.392	10375.53	5.049	19.943	4682.40	1185.50	949.083	236.420
2038	202834	50943.211	40969.014	9974.198	4.917	19.579	4612.18	1158.38	931.583	226.800
2039	200251	50085.991	40568.170	9517.820	4.753	19.003	4538.65	1135.19	919.471	215.720

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	2114227.357	130760.8	4.265	5.825	887.537	649.875	612.023	37.852

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62905.561	12.841	0.016	0.020	1223.41	981.049	980.849	0.200
1992	77987	62366.766	62336.739	30.027	0.039	0.048	1195.35	955.930	955.469	0.460
1993	78542	62652.888	62592.993	59.895	0.076	0.096	1182.39	943.195	942.293	0.902
1994	77437	61565.227	61470.526	94.701	0.122	0.154	1144.00	909.520	908.121	1.399
1995	76904	60851.961	60707.978	143.983	0.187	0.237	1114.36	881.759	879.672	2.086
1996	76232	60122.922	59917.035	205.886	0.270	0.342	1087.44	857.643	854.706	2.937
1997	75473	59237.155	58964.385	272.770	0.361	0.460	1059.06	831.234	827.407	3.828
1998	75381	58906.696	58547.480	359.216	0.477	0.610	1040.37	813.001	808.043	4.958
1999	73159	56930.073	56486.341	443.732	0.607	0.779	993.781	773.329	767.302	6.028
2000	73784	57137.121	56573.793	563.328	0.763	0.986	987.608	764.787	757.247	7.540
2001	73294	56481.726	55785.480	696.247	0.950	1.233	968.273	746.169	736.971	9.198
2002	72442	55588.365	54754.397	833.968	1.151	1.500	946.293	726.138	715.244	10.894
2003	71942	54945.856	53973.182	972.674	1.352	1.770	929.989	710.281	697.707	12.574
2004	71301	54203.126	53053.422	1149.703	1.612	2.121	911.778	693.135	678.433	14.702
2005	70964	53744.603	52425.113	1319.490	1.859	2.455	896.937	679.296	662.618	16.677
2006	69658	52535.572	51019.725	1515.847	2.176	2.885	872.383	657.945	638.961	18.984
2007	68565	51492.124	49796.954	1695.170	2.472	3.292	849.888	638.264	617.251	21.012
2008	68226	51030.736	49125.174	1905.562	2.793	3.734	836.215	625.460	602.105	23.356
2009	67509	50276.199	48152.138	2124.061	3.146	4.225	817.667	608.943	583.217	25.727
2010	67196	49840.933	47530.604	2310.329	3.438	4.635	804.000	596.347	568.704	27.643
2011	66506	49072.841	46514.379	2558.462	3.847	5.214	787.880	581.354	551.045	30.309
2012	66155	48539.512	45747.649	2791.863	4.220	5.752	775.240	568.812	536.096	32.717
2013	65333	47675.741	44665.145	3010.596	4.608	6.315	756.876	552.318	517.441	34.877
2014	65033	47194.534	43995.722	3198.812	4.919	6.778	744.602	540.359	503.734	36.625
2015	64145	46305.842	42940.126	3365.716	5.247	7.268	726.215	526.439	488.087	38.352
2016	61618	44208.867	40773.496	3435.371	5.575	7.771	786.248	564.107	520.272	43.835
2017	59897	42702.624	39168.310	3534.313	5.901	8.277	757.297	539.903	495.217	44.685
2018	62468	44321.202	40366.295	3954.908	6.331	8.923	782.490	555.181	505.640	49.540
2019	63045	44493.088	40288.344	4204.744	6.669	9.450	782.035	551.912	499.754	52.157
2020	63466	44529.551	40112.455	4417.096	6.960	9.919	898.991	630.757	568.190	62.568
2021	57113	39852.556	35667.294	4185.262	7.328	10.502	803.323	560.546	501.678	58.868
2022	57440	39853.685	35414.822	4438.863	7.728	11.138	801.745	556.274	494.317	61.957
2023	57738	39847.050	35181.275	4665.775	8.081	11.709	799.366	551.670	487.074	64.596
2024	57942	39726.010	34902.789	4823.221	8.324	12.141	795.539	545.435	479.213	66.223
2025	57521	39207.348	34279.922	4927.426	8.566	12.568	919.257	626.579	547.833	78.746
2026	51428	34803.960	30313.564	4490.397	8.731	12.902	818.510	553.929	482.461	71.468
2027	51172	34484.595	29862.506	4622.088	9.032	13.403	810.740	546.357	473.127	73.230
2028	50870	34100.638	29359.620	4741.018	9.320	13.903	801.884	537.544	462.809	74.735
2029	50540	33669.838	28876.633	4793.205	9.484	14.236	792.146	527.732	452.605	75.127
2030	49109	32557.688	27800.697	4756.991	9.687	14.611	919.662	609.705	520.621	89.084
2031	43585	28646.393	24460.806	4185.587	9.603	14.611	814.096	535.065	456.885	78.179
2032	43163	28227.160	24021.736	4205.424	9.743	14.899	803.454	525.435	447.153	78.282
2033	42725	27786.623	23631.889	4154.734	9.724	14.952	791.996	515.079	438.063	77.016
2034	42256	27348.299	23228.643	4119.655	9.749	15.064	779.523	504.514	428.516	75.998
2035	39748	25570.077	21661.529	3908.549	9.833	15.286	906.933	583.430	494.249	89.181
2036	34030	21717.319	18420.584	3296.735	9.688	15.180	776.269	495.402	420.199	75.203
2037	33454	21256.024	18048.008	3208.016	9.589	15.092	762.289	484.347	411.248	73.099
2038	32883	20747.175	17653.749	3093.426	9.407	14.910	747.720	471.764	401.424	70.341
2039	32325	20327.688	17364.617	2963.070	9.166	14.577	732.644	460.724	393.566	67.158

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6360041	1098877.421	894508.089	204369.3	3.213	18.598	1841.09	318.101	258.941	59.160

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	37213.274	96.564	0.057	0.259	2620.21	581.750	580.245	1.506
1992	164548	36137.488	35882.632	254.856	0.155	0.705	2522.12	553.899	549.993	3.906
1993	164362	35599.588	35122.407	477.181	0.290	1.340	2474.35	535.926	528.743	7.184
1994	159866	34336.757	33600.934	735.823	0.460	2.143	2361.75	507.267	496.396	10.871
1995	158083	33455.759	32409.461	1046.298	0.662	3.127	2290.66	484.782	469.620	15.161
1996	154875	32193.824	30819.797	1374.027	0.887	4.268	2209.26	459.239	439.639	19.600
1997	149970	30665.509	28972.696	1692.813	1.129	5.520	2104.43	430.308	406.554	23.754
1998	145407	29188.430	27196.817	1991.613	1.370	6.823	2006.83	402.844	375.357	27.487
1999	165952	33375.386	30563.488	2811.898	1.694	8.425	2254.27	453.366	415.170	38.196
2000	160260	32024.754	28836.473	3188.281	1.989	9.956	2145.10	428.655	385.980	42.676
2001	154444	30682.393	27089.949	3592.444	2.326	11.708	2040.33	405.339	357.880	47.459
2002	151887	30218.370	26147.623	4070.747	2.680	13.471	1984.06	394.736	341.560	53.175
2003	146733	29175.202	24744.808	4430.394	3.019	15.185	1896.81	377.146	319.874	57.271
2004	138381	27488.687	22829.241	4659.446	3.367	16.950	1769.58	351.518	291.934	59.584
2005	135881	27017.439	22017.260	5000.179	3.680	18.507	1717.44	341.482	278.283	63.199
2006	131922	26231.435	20869.756	5361.679	4.064	20.440	1652.16	328.517	261.369	67.149
2007	126502	25103.049	19567.055	5535.994	4.376	22.053	1568.04	311.161	242.541	68.621
2008	125859	24621.740	18864.858	5756.882	4.574	23.381	1542.60	301.777	231.218	70.559
2009	122428	23741.177	17882.082	5859.095	4.786	24.679	1482.84	287.552	216.587	70.965
2010	120537	23189.160	17213.506	5975.654	4.958	25.769	1442.22	277.458	205.960	71.499
2011	120221	22786.927	16634.659	6152.268	5.117	26.999	1424.23	269.951	197.067	72.884
2012	120927	22485.295	16172.104	6313.191	5.221	28.077	1417.09	263.495	189.513	73.981
2013	122648	22251.884	15776.420	6475.465	5.280	29.101	1420.86	257.786	182.768	75.018
2014	123229	21894.593	15347.945	6546.648	5.313	29.901	1410.92	250.685	175.728	74.957
2015	123774	21471.109	14903.180	6567.929	5.306	30.590	1594.26	276.557	191.959	84.598
2016	126218	21411.568	14707.434	6704.134	5.312	31.311	1610.55	273.213	187.667	85.545
2017	128265	21169.399	14415.109	6754.290	5.266	31.906	1621.69	267.651	182.255	85.397
2018	121429	19830.576	13444.914	6385.662	5.259	32.201	1521.05	248.404	168.415	79.989
2019	121832	19431.014	13126.288	6304.726	5.175	32.447	1511.26	241.031	162.824	78.207
2020	120811	18532.612	12431.147	6101.466	5.050	32.923	1711.27	262.513	176.086	86.427
2021	119407	18234.128	12230.942	6003.186	5.028	32.923	1679.51	256.472	172.034	84.438
2022	119438	17812.559	11915.385	5897.174	4.937	33.107	1667.10	248.626	166.314	82.312
2023	119445	17361.668	11605.861	5755.807	4.819	33.152	1653.68	240.367	160.679	79.687
2024	119305	16929.676	11365.986	5563.690	4.663	32.864	1638.05	232.443	156.054	76.389
2025	115685	15501.666	10310.285	5191.381	4.488	33.489	1848.78	247.735	164.770	82.964
2026	115073	15523.814	10471.173	5052.641	4.391	32.548	1831.46	247.072	166.656	80.416
2027	113989	15073.070	10243.633	4829.437	4.237	32.040	1805.98	238.810	162.295	76.515
2028	112855	14636.710	10009.251	4627.458	4.100	31.615	1778.98	230.725	157.780	72.945
2029	111718	14180.166	9818.836	4361.330	3.904	30.757	1751.04	222.256	153.898	68.358
2030	104851	12111.772	8242.260	3869.512	3.690	31.948	1963.54	226.816	154.352	72.464
2031	105289	12417.367	8640.278	3777.088	3.587	30.418	1966.62	231.935	161.385	70.549
2032	103879	12054.064	8469.321	3584.743	3.451	29.739	1933.67	224.381	157.652	66.728
2033	102485	11672.389	8304.301	3368.088	3.286	28.855	1899.76	216.370	153.936	62.434
2034	101070	11365.762	8245.972	3119.790	3.087	27.449	1864.51	209.673	152.119	57.553
2035	90820	8580.360	6035.279	2545.081	2.802	29.662	2072.23	195.777	137.706	58.071
2036	92117	8948.841	6463.404	2485.436	2.698	27.774	2101.31	204.135	147.439	56.696
2037	90327	8624.570	6373.458	2251.112	2.492	26.101	2058.21	196.522	145.228	51.295
2038	88590	8315.017	6255.073	2059.944	2.325	24.774	2014.42	189.073	142.232	46.840
2039	86921	8001.132	6192.347	1808.784	2.081	22.607	1970.05	181.344	140.349	40.996

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1489699	149918.462	120982.566	28935.90	1.942	19.301	431.236	43.398	35.022	8.376

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4544.170	11.396	0.035	0.250	508.609	71.032	70.855	0.178
1992	32100	4453.572	4424.763	28.809	0.090	0.647	492.014	68.262	67.821	0.442
1993	32896	4462.473	4406.237	56.237	0.171	1.260	495.226	67.179	66.333	0.847
1994	33323	4499.513	4409.321	90.192	0.271	2.004	492.290	66.473	65.140	1.332
1995	33569	4472.774	4339.160	133.615	0.398	2.987	486.422	64.812	62.875	1.936
1996	33870	4406.878	4225.271	181.607	0.536	4.121	483.150	62.863	60.273	2.591
1997	33516	4288.158	4056.440	231.718	0.691	5.404	470.307	60.173	56.921	3.252
1998	32795	4120.148	3842.479	277.669	0.847	6.739	452.620	56.864	53.032	3.832
1999	33375	3982.443	3657.649	324.793	0.973	8.156	453.361	54.097	49.685	4.412
2000	33459	4021.411	3630.953	390.458	1.167	9.709	447.853	53.827	48.601	5.226
2001	32275	3848.092	3409.250	438.843	1.360	11.404	426.379	50.836	45.039	5.797
2002	31586	3783.081	3288.031	495.050	1.567	13.086	412.601	49.418	42.951	6.467
2003	30985	3754.415	3196.398	558.017	1.801	14.863	400.541	48.533	41.320	7.213
2004	29884	3666.274	3055.630	610.645	2.043	16.656	382.149	46.883	39.075	7.809
2005	28708	3589.688	2933.114	656.574	2.287	18.291	362.850	45.371	37.073	8.299
2006	28188	3596.985	2865.974	731.011	2.593	20.323	353.021	45.048	35.893	9.155
2007	28026	3560.798	2778.148	782.650	2.793	21.980	347.392	44.137	34.436	9.701
2008	27128	3417.001	2615.667	801.334	2.954	23.451	332.495	41.881	32.059	9.822
2009	27068	3394.390	2552.424	841.965	3.111	24.805	327.847	41.113	30.915	10.198
2010	26911	3340.137	2473.219	866.918	3.221	25.955	321.990	39.965	29.592	10.373
2011	26959	3285.435	2396.669	888.766	3.297	27.052	319.377	38.922	28.393	10.529
2012	27057	3259.209	2338.944	920.266	3.401	28.236	317.068	38.193	27.409	10.784
2013	27904	3274.703	2311.747	962.955	3.451	29.406	323.265	37.937	26.781	11.156
2014	28792	3298.083	2300.359	997.724	3.465	30.252	329.657	37.762	26.338	11.424
2015	29560	3244.406	2238.171	1006.235	3.404	31.014	380.745	41.789	28.829	12.961
2016	30513	3314.836	2262.762	1052.074	3.448	31.738	389.347	42.297	28.873	13.425
2017	31416	3333.314	2251.377	1081.936	3.444	32.458	397.202	42.144	28.465	13.679
2018	29348	2925.242	1962.889	962.352	3.279	32.898	367.626	36.642	24.588	12.055
2019	29598	2864.628	1914.447	950.181	3.210	33.169	367.149	35.534	23.748	11.786
2020	29592	2730.366	1813.877	916.489	3.097	33.567	419.174	38.675	25.693	12.982
2021	30097	2647.911	1754.873	893.037	2.967	33.726	423.328	37.244	24.683	12.561
2022	30304	2586.165	1709.787	876.377	2.892	33.887	422.974	36.097	23.865	12.232
2023	30505	2517.960	1662.318	855.642	2.805	33.982	422.337	34.860	23.014	11.846
2024	30661	2454.161	1626.349	827.812	2.700	33.731	420.968	33.695	22.330	11.366
2025	30254	2275.364	1500.328	775.036	2.562	34.062	483.488	36.363	23.977	12.386
2026	30685	2183.166	1452.374	730.792	2.382	33.474	488.380	34.747	23.116	11.631
2027	30561	2112.345	1418.703	693.642	2.270	32.838	484.196	33.467	22.477	10.990
2028	30412	2046.677	1387.748	658.928	2.167	32.195	479.392	32.263	21.876	10.387
2029	30254	1977.671	1357.151	620.521	2.051	31.376	474.195	30.997	21.272	9.726
2030	29330	1744.457	1195.940	548.517	1.870	31.443	549.260	32.668	22.396	10.272
2031	28976	1653.738	1149.489	504.249	1.740	30.491	541.223	30.889	21.470	9.418
2032	28724	1603.120	1126.212	476.908	1.660	29.749	534.690	29.841	20.964	8.877
2033	28464	1548.245	1105.974	442.271	1.554	28.566	527.627	28.700	20.501	8.198
2034	28178	1511.985	1099.399	412.585	1.464	27.288	519.826	27.893	20.281	7.611
2035	26737	1239.866	898.724	341.142	1.276	27.514	610.065	28.290	20.506	7.784
2036	25591	1182.522	873.829	308.693	1.206	26.105	583.762	26.975	19.933	7.042
2037	25143	1134.483	864.069	270.414	1.076	23.836	572.916	25.851	19.689	6.162
2038	24693	1093.537	850.679	242.857	0.984	22.208	561.491	24.866	19.343	5.522
2039	24247	1047.905	839.914	207.991	0.858	19.848	549.553	23.751	19.037	4.714

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	907366.185	108240.4	4.847	10.658	646.447	293.996	262.663	31.333

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19210.159	5.477	0.016	0.029	531.576	299.618	299.533	0.085
1992	33942	19056.189	19045.530	10.660	0.031	0.056	520.248	292.085	291.921	0.163
1993	35913	20095.670	20073.611	22.059	0.061	0.110	540.645	302.526	302.194	0.332
1994	35074	19524.095	19490.785	33.309	0.095	0.171	518.158	288.435	287.943	0.492
1995	34669	19116.002	19064.083	51.919	0.150	0.272	502.362	276.995	276.243	0.752
1996	34582	18975.021	18904.122	70.899	0.205	0.374	493.306	270.675	269.664	1.011
1997	35267	19169.025	19069.727	99.298	0.282	0.518	494.878	268.986	267.592	1.393
1998	35675	19228.937	19091.958	136.979	0.384	0.712	492.368	265.388	263.498	1.891
1999	38516	20589.820	20410.092	179.729	0.467	0.873	523.195	279.689	277.248	2.441
2000	36283	19196.417	18976.324	220.094	0.607	1.147	485.652	256.946	254.000	2.946
2001	36281	19012.731	18734.719	278.012	0.766	1.462	479.301	251.174	247.501	3.673
2002	35983	18699.357	18364.403	334.954	0.931	1.791	470.038	244.265	239.890	4.375
2003	36205	18663.550	18273.590	389.959	1.077	2.089	468.019	241.262	236.221	5.041
2004	34611	17679.164	17224.531	454.633	1.314	2.572	442.596	226.076	220.263	5.814
2005	36826	18692.832	18126.778	566.054	1.537	3.028	465.456	236.265	229.110	7.155
2006	34350	17308.564	16680.854	627.710	1.827	3.627	430.192	216.769	208.908	7.861
2007	35326	17683.181	16935.909	747.272	2.115	4.226	437.879	219.189	209.927	9.263
2008	38248	19006.374	18108.751	897.624	2.347	4.723	468.788	232.952	221.951	11.002
2009	36902	18205.573	17207.810	997.763	2.704	5.481	446.956	220.505	208.420	12.085
2010	37234	18237.758	17150.120	1087.638	2.921	5.964	445.505	218.215	205.201	13.014
2011	38093	18487.916	17217.126	1270.790	3.336	6.874	451.279	219.022	203.967	15.055
2012	38504	18491.158	17087.855	1403.303	3.645	7.589	451.211	216.689	200.245	16.445
2013	40290	19143.452	17552.389	1591.063	3.949	8.311	466.755	221.775	203.343	18.432
2014	40339	18992.005	17280.418	1711.587	4.243	9.012	461.866	217.451	197.854	19.597
2015	42303	19728.885	17837.937	1890.947	4.470	9.585	544.880	254.116	229.760	24.356
2016	43104	19876.724	17843.329	2033.395	4.717	10.230	550.009	253.628	227.682	25.946
2017	44107	20119.790	17914.672	2205.118	4.999	10.960	557.659	254.381	226.501	27.880
2018	45469	20535.123	18125.617	2409.506	5.299	11.734	569.564	257.229	227.047	30.182
2019	46963	21009.029	18397.672	2611.357	5.560	12.430	582.552	260.605	228.213	32.392
2020	48419	21428.512	18635.465	2793.047	5.768	13.034	685.853	303.533	263.970	39.563
2021	48463	21266.697	18288.529	2978.168	6.145	14.004	681.652	299.127	257.237	41.889
2022	49915	21663.568	18434.077	3229.491	6.470	14.907	696.712	302.378	257.301	45.077
2023	51391	22084.131	18611.277	3472.854	6.758	15.726	711.491	305.748	257.667	48.081
2024	52811	22418.456	18762.595	3655.861	6.923	16.307	725.093	307.804	257.609	50.195
2025	53848	22614.834	18791.405	3823.429	7.100	16.907	860.553	361.411	300.308	61.103
2026	54342	22571.522	18618.498	3953.023	7.274	17.513	864.886	359.241	296.326	62.915
2027	55267	22774.416	18613.045	4161.371	7.530	18.272	875.619	360.827	294.896	65.931
2028	56149	22915.561	18543.835	4371.726	7.786	19.078	885.102	361.228	292.315	68.913
2029	57014	22992.027	18480.217	4511.811	7.914	19.623	893.616	360.371	289.654	70.717
2030	57238	22895.360	18276.829	4618.531	8.069	20.172	1071.90	428.760	342.269	86.491
2031	57592	22715.871	18087.723	4628.148	8.036	20.374	1075.71	424.293	337.847	86.446
2032	58251	22759.207	18000.889	4758.318	8.169	20.907	1084.31	423.652	335.078	88.574
2033	58885	22786.258	17979.332	4806.925	8.163	21.096	1091.54	422.387	333.282	89.106
2034	59460	22806.106	17910.572	4895.534	8.233	21.466	1096.89	420.721	330.409	90.311
2035	58516	22262.998	17437.896	4825.102	8.246	21.673	1335.15	507.973	397.879	110.094
2036	56446	21140.051	16484.031	4656.020	8.249	22.025	1287.60	482.234	376.023	106.210
2037	56568	21011.845	16365.857	4645.988	8.213	22.111	1288.98	478.783	372.918	105.865
2038	56668	20787.483	16209.512	4577.971	8.079	22.023	1288.55	472.681	368.583	104.097
2039	56758	20709.267	16171.292	4537.975	7.995	21.913	1286.40	469.372	366.520	102.852

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13188829	4509390.583	4046974.432	462416.2	3.506	10.255	3807.87	1305.37	1168.44	136.933

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123873.164	126.278	0.040	0.102	4883.81	1933.45	1931.48	1.969
1992	308578	122014.015	121689.944	324.071	0.105	0.266	4729.73	1870.18	1865.20	4.971
1993	311715	122810.618	122196.117	614.501	0.197	0.500	4692.61	1848.83	1839.56	9.264
1994	305704	119925.592	118973.511	952.081	0.311	0.794	4516.18	1771.69	1757.60	14.094
1995	303233	117896.496	116524.149	1372.347	0.453	1.164	4393.78	1708.35	1688.41	19.938
1996	299572	115698.645	113871.915	1826.730	0.610	1.579	4273.12	1650.42	1624.28	26.142
1997	294246	113359.847	111071.742	2288.104	0.778	2.018	4128.62	1590.70	1558.47	32.230
1998	289286	111444.212	108690.733	2753.479	0.952	2.471	3992.13	1538.10	1499.93	38.170
1999	311045	114877.722	111134.871	3742.850	1.203	3.258	4224.54	1560.48	1509.41	51.072
2000	303844	112379.704	108040.828	4338.876	1.428	3.861	4066.15	1504.22	1445.84	58.374
2001	296370	110024.943	105049.391	4975.551	1.679	4.522	3914.23	1453.52	1387.42	66.103
2002	291996	108289.173	102592.439	5696.734	1.951	5.261	3812.98	1414.56	1339.69	74.869
2003	285987	106539.023	100234.729	6304.294	2.204	5.917	3695.38	1377.22	1295.18	82.038
2004	274322	103037.251	96217.977	6819.275	2.486	6.618	3506.17	1317.61	1229.79	87.827
2005	272554	103044.562	95568.317	7476.246	2.743	7.255	3442.83	1302.41	1207.19	95.222
2006	264323	99672.555	91511.785	8160.770	3.087	8.188	3307.99	1248.28	1145.27	103.013
2007	258658	97839.152	89164.799	8674.353	3.354	8.866	3203.53	1212.75	1104.33	108.426
2008	259742	98075.852	88814.850	9261.002	3.565	9.443	3180.55	1202.07	1087.54	114.527
2009	254226	95617.338	85906.785	9710.553	3.820	10.156	3075.91	1158.11	1039.40	118.718
2010	252241	94607.988	84493.196	10114.79	4.010	10.691	3014.46	1131.98	1009.76	122.227
2011	252190	93633.119	82902.289	10730.83	4.255	11.461	2983.68	1109.25	980.826	128.423
2012	253108	92775.175	81500.156	11275.02	4.455	12.153	2961.73	1087.19	953.671	133.518
2013	256702	92345.780	80474.763	11871.02	4.624	12.855	2969.11	1069.82	930.802	139.014
2014	257981	91379.215	79108.808	12270.41	4.756	13.428	2948.64	1046.26	904.187	142.070
2015	260440	90750.242	78120.607	12629.63	4.849	13.917	3347.44	1168.90	1004.08	164.818
2016	262179	88811.996	75800.576	13011.42	4.963	14.651	3337.73	1133.24	964.994	168.251
2017	264484	87325.126	73976.048	13349.08	5.047	15.287	3335.68	1104.08	932.989	171.090
2018	259560	87612.144	74144.541	13467.60	5.189	15.372	3242.71	1097.46	926.297	171.160
2019	262361	87797.760	73990.170	13807.59	5.263	15.727	3245.26	1089.08	915.216	173.866
2020	263292	87221.042	73275.511	13945.53	5.297	15.989	3716.88	1235.48	1034.43	201.052
2021	256124	82001.292	68222.606	13778.69	5.380	16.803	3589.59	1153.39	956.143	197.246
2022	258220	81915.977	67771.642	14144.34	5.478	17.267	3590.59	1143.37	942.373	201.002
2023	260286	81810.810	67375.435	14435.38	5.546	17.645	3589.25	1132.64	929.082	203.563
2024	262010	81528.303	66990.158	14538.14	5.549	17.832	3582.37	1119.38	915.932	203.447
2025	258680	79599.213	65230.620	14368.59	5.555	18.051	4113.68	1272.09	1037.34	234.751
2026	252939	75082.462	61198.821	13883.64	5.489	18.491	4004.99	1194.99	969.011	225.977
2027	252474	74444.425	60495.436	13948.99	5.525	18.737	3978.63	1179.46	953.322	226.139
2028	251847	73699.585	59671.954	14027.63	5.570	19.034	3947.84	1161.76	935.391	226.368
2029	251165	72819.703	58918.002	13901.70	5.535	19.091	3913.90	1141.36	918.119	223.237
2030	242223	69309.277	55909.036	13400.24	5.532	19.334	4505.84	1297.95	1040.02	257.925
2031	237165	65433.368	52720.322	12713.05	5.360	19.429	4399.21	1222.18	977.917	244.264
2032	235805	64643.552	52011.118	12632.43	5.357	19.542	4358.06	1203.31	961.247	242.061
2033	234412	63793.514	51426.052	12367.46	5.276	19.387	4313.27	1182.54	946.258	236.278
2034	232879	63032.151	50900.829	12131.32	5.209	19.246	4263.51	1162.80	931.882	230.918
2035	217731	57653.301	46441.622	11211.68	5.149	19.447	4925.81	1315.47	1050.67	264.803
2036	210077	52988.733	42625.303	10363.43	4.933	19.558	4750.33	1208.75	963.855	244.891
2037	207424	52026.921	42041.855	9985.066	4.814	19.192	4684.11	1185.50	949.403	236.100
2038	204802	50943.211	41364.952	9578.260	4.677	18.802	4614.24	1158.38	931.964	226.419
2039	202252	50085.991	40970.894	9115.097	4.507	18.199	4541.07	1135.19	919.898	215.293

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3074319	2244988.113	2119222.685	125765.4	4.091	5.602	887.614	649.875	611.860	38.016

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62905.561	12.841	0.016	0.020	1223.41	981.049	980.849	0.200
1992	77987	62366.766	62336.882	29.884	0.038	0.048	1195.35	955.930	955.470	0.460
1993	78543	62652.888	62593.429	59.458	0.076	0.095	1182.39	943.195	942.293	0.902
1994	77438	61565.227	61471.500	93.727	0.121	0.152	1144.00	909.520	908.121	1.400
1995	76906	60851.961	60709.716	142.245	0.185	0.234	1114.35	881.759	879.670	2.088
1996	76236	60122.922	59919.930	202.991	0.266	0.338	1087.43	857.643	854.703	2.940
1997	75479	59237.155	58968.755	268.400	0.356	0.453	1059.06	831.234	827.403	3.831
1998	75389	58906.696	58553.781	352.915	0.468	0.599	1040.36	813.001	808.039	4.961
1999	73170	56930.073	56494.913	435.160	0.595	0.764	993.778	773.329	767.301	6.028
2000	73799	57137.121	56585.647	551.474	0.747	0.965	987.609	764.787	757.250	7.538
2001	73314	56481.726	55801.033	680.694	0.928	1.205	968.281	746.169	736.979	9.190
2002	72468	55588.365	54774.305	814.060	1.123	1.464	946.314	726.138	715.262	10.876
2003	71975	54945.856	53997.936	947.921	1.317	1.725	930.023	710.281	697.735	12.546
2004	71341	54203.126	53083.398	1119.727	1.570	2.066	911.827	693.135	678.472	14.663
2005	71012	53744.603	52460.957	1283.646	1.808	2.388	897.006	679.296	662.672	16.624
2006	69715	52535.572	51061.423	1474.149	2.115	2.806	872.476	657.945	639.032	18.913
2007	68631	51492.124	49845.055	1647.069	2.400	3.199	850.010	638.264	617.342	20.921
2008	68303	51030.736	49180.632	1850.104	2.709	3.625	836.373	625.460	602.220	23.240
2009	67597	50276.199	48215.065	2061.134	3.049	4.100	817.865	608.943	583.359	25.584
2010	67296	49840.933	47601.576	2239.357	3.328	4.493	804.242	596.347	568.875	27.472
2011	66618	49072.841	46593.032	2479.809	3.722	5.053	788.170	581.354	551.247	30.107
2012	66280	48539.512	45834.424	2705.088	4.081	5.573	775.579	568.812	536.330	32.482
2013	65471	47675.741	44759.830	2915.911	4.454	6.116	757.269	552.318	517.710	34.609
2014	65186	47194.534	44099.279	3095.255	4.748	6.559	745.055	540.359	504.040	36.319
2015	64312	46305.842	43051.843	3253.999	5.060	7.027	726.602	526.439	485.345	38.263
2016	61794	44208.867	40889.714	3319.153	5.371	7.508	706.676	514.107	472.554	40.553
2017	60083	42702.624	39289.619	3413.005	5.681	7.992	692.765	503.903	465.522	42.241
2018	62678	44321.202	40501.960	3819.243	6.093	8.617	678.043	495.181	455.996	44.185
2019	63274	44493.088	40434.605	4058.483	6.414	9.122	662.662	488.912	450.153	46.759
2020	63715	44529.551	40269.612	4259.940	6.686	9.567	649.461	482.757	445.484	49.273
2021	57353	39852.556	35817.225	4035.331	7.036	10.126	633.810	476.546	440.980	51.826
2022	57698	39853.685	35573.770	4279.916	7.418	10.739	619.301	470.231	436.658	54.642
2023	58014	39847.050	35349.510	4497.540	7.752	11.287	608.998	464.670	432.457	57.543
2024	58237	39726.010	35080.403	4645.607	7.977	11.694	599.254	459.435	427.641	60.609
2025	57834	39207.348	34466.479	4740.869	8.197	12.092	591.718	454.579	423.106	64.614
2026	51723	34803.960	30487.271	4316.689	8.346	12.403	584.969	450.929	420.730	69.239
2027	51482	34484.595	30043.155	4441.439	8.627	12.879	578.277	447.357	417.437	74.847
2028	51195	34100.638	29547.000	4553.638	8.895	13.354	572.505	444.544	414.166	80.347
2029	50879	33669.838	29070.595	4599.242	9.039	13.660	567.855	441.732	411.007	86.847
2030	49461	32557.688	27999.738	4557.950	9.215	14.000	563.070	439.705	409.853	93.217
2031	43908	28646.393	24641.474	4004.919	9.121	13.981	559.452	437.065	407.078	100.374
2032	43496	28227.160	24207.048	4020.112	9.242	14.242	556.883	434.435	404.384	108.496
2033	43070	27786.623	23821.997	3964.626	9.205	14.268	554.503	431.079	401.334	117.166
2034	42611	27348.299	23423.217	3925.082	9.211	14.352	552.108	428.514	408.828	126.278
2035	40103	25570.077	21854.582	3715.495	9.265	14.531	550.264	426.430	407.425	136.805
2036	34340	21717.319	18588.058	3129.262	9.113	14.409	548.503	424.402	405.318	148.187
2037	33769	21256.024	18217.549	3038.475	8.998	14.295	546.577	422.347	403.395	160.182
2038	33203	20747.175	17824.809	2922.365	8.802	14.086	544.064	420.764	401.598	172.484
2039	32649	20327.688	17537.657	2790.030	8.546	13.725	541.043	419.724	399.764	185.220

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig								
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Ecig	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6377985	1098877.421	896176.760	202700.7	3.178	18.446	1841.45	318.101	258.743	59.358

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig								
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Ecig	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	37213.274	96.564	0.057	0.259	2620.21	581.750	580.245	1.506
1992	164548	36137.488	35882.720	254.768	0.155	0.705	2522.12	553.899	549.993	3.906
1993	164363	35599.588	35122.691	476.897	0.290	1.340	2474.35	535.926	528.743	7.183
1994	159868	34336.757	33601.572	735.185	0.460	2.141	2361.74	507.267	496.397	10.869
1995	158087	33455.759	32410.609	1045.150	0.661	3.124	2290.65	484.782	469.623	15.159
1996	154882	32193.824	30821.627	1372.197	0.886	4.262	2209.25	459.239	439.642	19.597
1997	149980	30665.509	28975.361	1690.149	1.127	5.512	2104.40	430.308	406.559	23.749
1998	145421	29188.430	27200.428	1988.003	1.367	6.811	2006.80	402.844	375.364	27.480
1999	165975	33375.386	30569.146	2806.240	1.691	8.408	2254.24	453.366	415.183	38.183
2000	160291	32024.754	28843.842	3180.912	1.984	9.933	2145.07	428.655	385.999	42.656
2001	154484	30682.393	27099.062	3583.331	2.320	11.679	2040.32	405.339	357.905	47.435
2002	151939	30218.370	26158.884	4059.485	2.672	13.434	1984.07	394.736	341.592	53.144
2003	146797	29175.202	24758.115	4417.087	3.009	15.140	1896.84	377.146	319.912	57.233
2004	138455	27488.687	22844.251	4644.437	3.354	16.896	1769.63	351.518	291.978	59.540
2005	135970	27017.439	22034.598	4982.841	3.665	18.443	1717.53	341.482	278.335	63.148
2006	132026	26231.435	20889.111	5342.325	4.046	20.366	1652.30	328.517	261.426	67.091
2007	126621	25103.049	19588.284	5514.765	4.355	21.969	1568.23	311.161	242.605	68.556
2008	125997	24621.740	18888.433	5733.307	4.550	23.286	1542.85	301.777	231.290	70.487
2009	122584	23741.177	17907.581	5833.596	4.759	24.572	1483.16	287.552	216.666	70.887
2010	120713	23189.160	17241.094	5948.066	4.927	25.650	1442.61	277.458	206.044	71.414
2011	120419	22786.927	16664.430	6122.497	5.084	26.868	1424.69	269.951	197.159	72.793
2012	121152	22485.295	16204.249	6281.045	5.184	27.934	1417.65	263.495	189.613	73.881
2013	122902	22251.884	15810.944	6440.940	5.241	28.946	1421.53	257.786	182.876	74.910
2014	123512	21894.593	15384.808	6509.786	5.271	29.732	1411.70	250.685	175.843	74.841
2015	124089	21471.109	14942.568	6528.542	5.261	30.406	1594.92	276.557	192.057	84.500
2016	126570	21411.568	14749.671	6661.898	5.263	31.114	1611.33	273.213	187.773	85.439
2017	128655	21169.399	14459.924	6709.475	5.215	31.694	1622.60	267.651	182.369	85.282
2018	121824	19830.576	13488.875	6341.702	5.206	31.979	1521.96	248.404	168.518	79.886
2019	122260	19431.014	13172.137	6258.877	5.119	32.211	1512.28	241.031	162.932	78.099
2020	121272	18532.612	12478.795	6053.817	4.992	32.666	1711.98	262.513	176.163	86.350
2021	119892	18234.128	12279.768	5954.360	4.966	32.655	1680.29	256.472	172.102	84.371
2022	119954	17812.559	11965.650	5846.909	4.874	32.825	1667.98	248.626	166.384	82.242
2023	119995	17361.668	11657.474	5704.195	4.754	32.855	1654.68	240.367	160.752	79.615
2024	119888	16929.676	11419.152	5510.525	4.596	32.549	1639.19	232.443	156.130	76.313
2025	116297	15501.666	10364.014	5137.652	4.418	33.143	1849.43	247.735	164.815	82.920
2026	115711	15523.814	10526.942	4996.872	4.318	32.188	1832.14	247.072	166.682	80.390
2027	114654	15073.070	10300.545	4772.526	4.163	31.663	1806.79	238.810	162.322	76.488
2028	113547	14636.710	10067.169	4569.540	4.024	31.220	1779.92	230.725	157.809	72.917
2029	112438	14180.166	9877.630	4302.537	3.827	30.342	1752.13	222.256	153.923	68.333
2030	105583	12111.772	8298.262	3813.510	3.612	31.486	1964.06	226.816	154.365	72.451
2031	106051	12417.367	8699.569	3717.798	3.506	29.940	1967.16	231.935	161.370	70.565
2032	104663	12054.064	8529.230	3524.835	3.368	29.242	1934.34	224.381	157.634	66.747
2033	103290	11672.389	8364.838	3307.552	3.202	28.337	1900.57	216.370	153.916	62.454
2034	101893	11365.762	8307.734	3058.028	3.001	26.906	1865.44	209.673	152.096	57.576
2035	91618	8580.360	6087.386	2492.974	2.721	29.054	2072.70	195.777	137.717	58.060
2036	92947	8948.841	6519.793	2429.048	2.613	27.144	2101.73	204.135	147.427	56.708
2037	91166	8624.570	6430.475	2194.095	2.407	25.440	2058.74	196.522	145.215	51.307
2038	89437	8315.017	6312.333	2002.684	2.239	24.085	2015.05	189.073	142.219	46.854
2039	87776	8001.132	6249.991	1751.141	1.995	21.886	1970.79	181.344	140.328	41.017

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1494409	149918.462	121226.790	28691.67	1.920	19.138	431.464	43.398	35.000	8.398

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4544.170	11.396	0.035	0.250	508.609	71.032	70.855	0.178
1992	32100	4453.572	4424.774	28.798	0.090	0.647	492.014	68.262	67.821	0.442
1993	32896	4462.473	4406.275	56.199	0.171	1.259	495.225	67.179	66.333	0.846
1994	33323	4499.513	4409.412	90.102	0.270	2.002	492.288	66.473	65.140	1.332
1995	33570	4472.774	4339.328	133.446	0.398	2.984	486.419	64.812	62.876	1.936
1996	33871	4406.878	4225.547	181.331	0.535	4.115	483.144	62.863	60.274	2.590
1997	33518	4288.158	4056.851	231.307	0.690	5.394	470.298	60.173	56.923	3.250
1998	32798	4120.148	3843.043	277.105	0.845	6.726	452.608	56.864	53.034	3.830
1999	33379	3982.443	3658.378	324.064	0.971	8.137	453.346	54.097	49.687	4.410
2000	33465	4021.411	3631.955	389.456	1.164	9.685	447.836	53.827	48.604	5.223
2001	32282	3848.092	3410.473	437.619	1.356	11.372	426.361	50.836	45.043	5.793
2002	31595	3783.081	3289.545	493.536	1.562	13.046	412.585	49.418	42.956	6.461
2003	30997	3754.415	3198.213	556.202	1.794	14.815	400.526	48.533	41.326	7.207
2004	29898	3666.274	3057.753	608.521	2.035	16.598	382.138	46.883	39.082	7.801
2005	28725	3589.688	2935.548	654.140	2.277	18.223	362.847	45.371	37.081	8.290
2006	28208	3596.985	2868.768	728.217	2.582	20.245	353.027	45.048	35.903	9.145
2007	28050	3560.798	2781.287	779.511	2.779	21.891	347.408	44.137	34.447	9.691
2008	27156	3417.001	2619.045	797.956	2.938	23.353	332.522	41.881	32.070	9.810
2009	27100	3394.390	2556.166	838.224	3.093	24.694	327.886	41.113	30.927	10.185
2010	26948	3340.137	2477.293	862.845	3.202	25.833	322.044	39.965	29.606	10.359
2011	27001	3285.435	2401.092	884.343	3.275	26.917	319.448	38.922	28.408	10.514
2012	27104	3259.209	2343.673	915.536	3.378	28.091	317.161	38.193	27.424	10.769
2013	27959	3274.703	2316.903	957.800	3.426	29.248	323.383	37.937	26.798	11.139
2014	28855	3298.083	2305.926	992.157	3.438	30.083	329.801	37.762	26.356	11.406
2015	29632	3244.406	2244.183	1000.223	3.375	30.829	380.859	41.789	28.844	12.945
2016	30595	3314.836	2269.311	1045.525	3.417	31.541	389.490	42.297	28.890	13.408
2017	31508	3333.314	2258.412	1074.901	3.412	32.247	397.376	42.144	28.483	13.661
2018	29442	2925.242	1969.577	955.665	3.246	32.670	367.822	36.642	24.606	12.036
2019	29700	2864.628	1921.406	943.222	3.176	32.927	367.376	35.534	23.767	11.767
2020	29703	2730.366	1821.105	909.261	3.061	33.302	419.321	38.675	25.708	12.967
2021	30218	2647.911	1762.267	885.643	2.931	33.447	423.509	37.244	24.698	12.546
2022	30434	2586.165	1717.396	868.768	2.855	33.593	423.187	36.097	23.881	12.217
2023	30645	2517.960	1670.113	847.847	2.767	33.672	422.588	34.860	23.030	11.830
2024	30811	2454.161	1634.369	819.791	2.661	33.404	421.261	33.695	22.346	11.349
2025	30413	2275.364	1508.464	766.900	2.522	33.704	483.643	36.363	23.988	12.374
2026	30856	2183.166	1460.589	722.577	2.342	33.098	488.567	34.747	23.127	11.620
2027	30741	2112.345	1427.075	685.269	2.229	32.441	484.428	33.467	22.489	10.978
2028	30600	2046.677	1396.273	650.404	2.125	31.779	479.674	32.263	21.887	10.375
2029	30452	1977.671	1365.777	611.895	2.009	30.940	474.533	30.997	21.283	9.715
2030	29535	1744.457	1204.328	540.129	1.829	30.963	549.410	32.668	22.403	10.265
2031	29188	1653.738	1157.777	495.961	1.699	29.990	541.411	30.889	21.476	9.413
2032	28944	1603.120	1134.578	468.543	1.619	29.227	534.931	29.841	20.969	8.873
2033	28691	1548.245	1114.436	433.808	1.512	28.019	527.925	28.700	20.506	8.194
2034	28413	1511.985	1108.052	403.933	1.422	26.715	520.183	27.893	20.286	7.607
2035	26974	1239.866	906.574	333.291	1.236	26.881	610.233	28.290	20.510	7.780
2036	25825	1182.522	881.634	300.888	1.165	25.445	583.972	26.975	19.936	7.039
2037	25382	1134.483	871.978	262.505	1.034	23.139	573.177	25.851	19.691	6.159
2038	24936	1093.537	858.637	234.900	0.942	21.481	561.804	24.866	19.345	5.520
2039	24493	1047.905	847.896	200.009	0.817	19.087	549.919	23.751	19.037	4.713

Results for PHIM for Run 1 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2242116	1015606.587	910348.198	105258.4	4.695	10.364	647.342	293.996	262.835	31.161

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19210.159	5.477	0.016	0.029	531.576	299.618	299.533	0.085
1992	33942	19056.189	19045.568	10.621	0.031	0.056	520.248	292.085	291.921	0.163
1993	35913	20095.670	20073.722	21.947	0.061	0.109	540.644	302.526	302.193	0.333
1994	35074	19524.095	19491.027	33.067	0.094	0.169	518.156	288.435	287.942	0.493
1995	34670	19116.002	19064.496	51.506	0.149	0.269	502.357	276.995	276.240	0.755
1996	34583	18975.021	18904.811	70.211	0.203	0.370	493.298	270.675	269.660	1.015
1997	35269	19169.025	19070.776	98.249	0.279	0.513	494.865	268.986	267.586	1.400
1998	35678	19228.937	19093.482	135.456	0.380	0.704	492.351	265.388	263.489	1.899
1999	38520	20589.820	20412.434	177.387	0.461	0.862	523.174	279.689	277.237	2.452
2000	36289	19196.417	18979.383	217.034	0.598	1.131	485.629	256.946	253.989	2.957
2001	36289	19012.731	18738.824	273.907	0.755	1.441	479.276	251.174	247.489	3.685
2002	35993	18699.357	18369.705	329.653	0.916	1.763	470.012	244.265	239.878	4.387
2003	36218	18663.550	18280.465	383.084	1.058	2.053	467.996	241.262	236.211	5.051
2004	34627	17679.164	17232.575	446.589	1.290	2.526	442.574	226.076	220.254	5.823
2005	36847	18692.832	18137.213	555.619	1.508	2.972	465.439	236.265	229.104	7.161
2006	34374	17308.564	16692.483	616.080	1.792	3.559	430.185	216.769	208.906	7.863
2007	35355	17683.181	16950.173	733.008	2.073	4.145	437.885	219.189	209.932	9.258
2008	38286	19006.374	18126.739	879.635	2.298	4.628	468.811	232.952	221.963	10.989
2009	36945	18205.573	17227.973	977.599	2.646	5.370	447.002	220.505	208.443	12.062
2010	37284	18237.758	17173.234	1064.524	2.855	5.837	445.572	218.215	205.233	12.982
2011	38152	18487.916	17243.735	1244.181	3.261	6.730	451.377	219.022	204.013	15.009
2012	38571	18491.158	17117.810	1373.348	3.561	7.427	451.340	216.689	200.303	16.386
2013	40369	19143.452	17587.086	1556.366	3.855	8.130	466.928	221.775	203.419	18.356
2014	40428	18992.005	17318.795	1673.210	4.139	8.810	462.082	217.451	197.948	19.503
2015	42407	19728.885	17882.014	1846.871	4.355	9.361	545.062	254.116	229.837	24.279
2016	43221	19876.724	17891.880	1984.844	4.592	9.986	550.234	253.628	227.776	25.852
2017	44238	20119.790	17968.094	2151.697	4.864	10.694	557.937	254.381	226.614	27.767
2018	45616	20535.123	18184.129	2350.994	5.154	11.449	569.887	257.229	227.176	30.053
2019	47127	21009.029	18462.022	2547.007	5.405	12.123	582.939	260.605	228.365	32.241
2020	48602	21428.512	18705.999	2722.513	5.602	12.705	686.118	303.533	264.072	39.461
2021	48661	21266.697	18363.346	2903.351	5.966	13.652	681.987	299.127	257.363	41.764
2022	50134	21663.568	18514.825	3148.743	6.281	14.535	697.116	302.378	257.451	44.927
2023	51631	22084.131	18698.337	3385.793	6.558	15.331	711.975	305.748	257.843	47.905
2024	53075	22418.456	18856.235	3562.221	6.712	15.890	725.670	307.804	257.814	49.990
2025	54135	22614.834	18891.662	3723.172	6.878	16.463	860.889	361.411	300.426	60.985
2026	54649	22571.522	18724.019	3847.503	7.040	17.046	865.310	359.241	296.473	62.768
2027	55598	22774.416	18724.661	4049.754	7.284	17.782	876.145	360.827	295.074	65.753
2028	56505	22915.561	18661.513	4254.048	7.529	18.564	885.742	361.228	292.530	68.699
2029	57395	22992.027	18604.001	4388.027	7.645	19.085	894.385	360.371	289.906	70.465
2030	57644	22895.360	18406.709	4488.651	7.787	19.605	1072.30	428.760	342.403	86.357
2031	58018	22715.871	18221.502	4494.369	7.747	19.785	1076.18	424.293	337.993	86.299
2032	58702	22759.207	18140.262	4618.945	7.868	20.295	1084.91	423.652	335.261	88.391
2033	59361	22786.258	18124.781	4661.476	7.853	20.457	1092.27	422.387	333.503	88.885
2034	59962	22806.106	18061.826	4744.280	7.912	20.803	1097.77	420.721	330.672	90.049
2035	59037	22262.998	17593.080	4669.918	7.910	20.976	1335.61	507.973	398.015	109.958
2036	56965	21140.051	16635.819	4504.233	7.907	21.307	1288.12	482.234	376.174	106.060
2037	57107	21011.845	16521.852	4489.992	7.862	21.369	1289.62	478.783	373.102	105.681
2038	57226	20787.483	16369.173	4418.311	7.721	21.255	1289.33	472.681	368.802	103.879
2039	57335	20709.267	16335.350	4373.917	7.629	21.121	1287.32	469.372	366.769	102.603

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Control File Details for Run: 2

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.4
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Pessimistic_Analysis
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

TTP values for Run: 2, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

TTP values for Run: 2, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.002819	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.002602	0.000000	0.002515	0.001258	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000207	0.000000	0.000761	0.000381	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000103	0.000000	0.001376	0.000688	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000051	0.000000	0.001149	0.000575	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000496	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000417	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.000862	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.001168	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.001116	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.002317	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.001752	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.002164	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.002164	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.004315	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.004075	0.000000	0.004083	0.002041	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000095	0.000000	0.001261	0.000631	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000047	0.000000	0.000952	0.000476	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000024	0.000000	0.000733	0.000367	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000377	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.000767	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.001499	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.001580	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.001482	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.001816	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.002261	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.002604	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.002604	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.004763	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.003668	0.000000	0.003373	0.001686	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001751	0.000000	0.003881	0.001940	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000857	0.000000	0.001954	0.000977	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000134	0.000000	0.001338	0.000669	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.000753	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.001040	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.001904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.002436	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.002280	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.003596	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.003517	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.004103	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.004103	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.004077	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.003697	0.000000	0.003996	0.001998	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001778	0.000000	0.002805	0.001403	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000412	0.000000	0.001574	0.000787	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000188	0.000000	0.001293	0.000646	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.000610	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.000828	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.000997	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.001077	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.001036	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.002524	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.001840	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.003072	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.003072	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.002649	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.003180	0.000000	0.005770	0.002885	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001538	0.000000	0.003262	0.001631	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000757	0.000000	0.002002	0.001001	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000375	0.000000	0.003241	0.001620	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.000885	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.001087	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.001037	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.001716	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.001453	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.003569	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.002481	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.003134	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.003134	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.001326	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.002562	0.000000	0.009440	0.004720	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000033	0.000000	0.002831	0.001415	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000105	0.000000	0.002656	0.001328	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000052	0.000000	0.004614	0.002307	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.001304	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.001558	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.001066	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.001749	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.001471	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.002688	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.000894	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.002039	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.002039	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

25-29	253+	0.008145	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.007936	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.006975	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.006830	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.006338	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.005574	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.003011	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.002115	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000281	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Main Output for the Tobacco History for Run: 2, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Main Output for the Tobacco History for Run: 2, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		F (Females)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50436	55.04					
5	All Ages	CC	15052	16.43	0	0.00			
5	All Ages	Ecig	7906	8.63					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18245	19.91			14.29	1028	5.63
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2249	70.81					
5	18-19	CC	276	8.69	0	0.00			
5	18-19	Ecig	594	18.70					
5	18-19	Dual	0	0.00					
5	18-19	Former	57	1.79			1.04	37	64.91
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5544	66.40					
5	20-24	CC	1213	14.53	0	0.00			
5	20-24	Ecig	1173	14.05					
5	20-24	Dual	0	0.00					
5	20-24	Former	420	5.03			3.32	91	21.67
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5302	60.30					
5	25-29	CC	1528	17.38	0	0.00			
5	25-29	Ecig	964	10.96					
5	25-29	Dual	0	0.00					
5	25-29	Former	999	11.36			6.02	49	4.90
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

5	30-34	Never Any	5301	52.60					
5	30-34	CC	1922	19.07	0	0.00			
5	30-34	Ecig	1253	12.43					
5	30-34	Dual	0	0.00					
5	30-34	Former	1602	15.90			8.17	64	4.00
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5276	50.25					
5	35-39	CC	2029	19.33	0	0.00			
5	35-39	Ecig	1184	11.28					
5	35-39	Dual	0	0.00					
5	35-39	Former	2010	19.14			8.93	40	1.99
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1610	16.77	0	0.00			
5	40-44	Ecig	876	9.13					
5	40-44	Dual	0	0.00					
5	40-44	Former	2096	21.83			12.07	73	3.48
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	1404	16.52	0	0.00			
5	45-49	Ecig	734	8.64					
5	45-49	Dual	0	0.00					
5	45-49	Former	2003	23.57			10.95	124	6.19
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	1067	16.32	0	0.00			
5	50-54	Ecig	536	8.20					
5	50-54	Dual	0	0.00					
5	50-54	Former	1817	27.80			15.21	119	6.55
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	1039	18.77	0	0.00			
5	55-59	Ecig	305	5.51					
5	55-59	Dual	0	0.00					
5	55-59	Former	1506	27.21			15.78	100	6.64
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	900	17.10	0	0.00			
5	60-64	Ecig	182	3.46					
5	60-64	Dual	0	0.00					
5	60-64	Former	1450	27.55			19.27	84	5.79
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	866	15.68	0	0.00			
5	65-69	Ecig	95	1.72					
5	65-69	Dual	0	0.00					
5	65-69	Former	1485	26.88			19.19	97	6.53
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	743	14.01	0	0.00			
5	70-74	Ecig	10	0.19					
5	70-74	Dual	0	0.00					
5	70-74	Former	1508	28.44			22.14	87	5.77
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	455	10.14	0	0.00			
5	75-79	Ecig	0	0.00					
5	75-79	Dual	0	0.00					
5	75-79	Former	1292	28.81			26.18	63	4.88
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	49386	53.73					
10	All Ages	CC	9072	9.87	0	0.00			
10	All Ages	Ecig	13000	14.14					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	20450	22.25			15.60	1372	6.71
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4505	56.81					
10	20-24	CC	580	7.31	0	0.00			
10	20-24	Ecig	2296	28.95					
10	20-24	Dual	0	0.00					
10	20-24	Former	549	6.92			3.53	150	27.32
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5140	61.56					
10	25-29	CC	711	8.51	0	0.00			
10	25-29	Ecig	1817	21.76					
10	25-29	Dual	0	0.00					
10	25-29	Former	682	8.17			5.88	94	13.78
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5169	58.79					
10	30-34	CC	856	9.74	0	0.00			
10	30-34	Ecig	1579	17.96					
10	30-34	Dual	0	0.00					
10	30-34	Former	1189	13.52			9.57	70	5.89
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5270	52.29					
10	35-39	CC	1115	11.06	0	0.00			
10	35-39	Ecig	1904	18.89					
10	35-39	Dual	0	0.00					
10	35-39	Former	1789	17.75			11.98	87	4.86
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5276	50.25					
10	40-44	CC	1227	11.69	0	0.00			
10	40-44	Ecig	1749	16.66					
10	40-44	Dual	0	0.00					
10	40-44	Former	2247	21.40			12.63	115	5.12
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	949	9.89	0	0.00			
10	45-49	Ecig	1275	13.28					
10	45-49	Dual	0	0.00					
10	45-49	Former	2358	24.56			15.37	118	5.00
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	772	9.09	0	0.00			
10	50-54	Ecig	1029	12.11					
10	50-54	Dual	0	0.00					
10	50-54	Former	2340	27.54			13.93	130	5.56
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	614	9.39	0	0.00			
10	55-59	Ecig	678	10.37					
10	55-59	Dual	0	0.00					

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

10	55-59	Former	2128	32.56			17.55	123	5.78
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	2684	48.50					
10	60-64	CC	661	11.94	0	0.00			
10	60-64	Ecig	377	6.81					
10	60-64	Dual	0	0.00					
10	60-64	Former	1812	32.74			17.58	137	7.56
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	2732	51.90					
10	65-69	CC	581	11.04	0	0.00			
10	65-69	Ecig	201	3.82					
10	65-69	Dual	0	0.00					
10	65-69	Former	1750	33.24			20.45	112	6.40
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	3078	55.72					
10	70-74	CC	558	10.10	0	0.00			
10	70-74	Ecig	86	1.56					
10	70-74	Dual	0	0.00					
10	70-74	Former	1802	32.62			20.28	132	7.33
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	3042	57.36					
10	75-79	CC	448	8.45	0	0.00			
10	75-79	Ecig	9	0.17					
10	75-79	Dual	0	0.00					
10	75-79	Former	1804	34.02			23.03	104	5.76
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	45867	52.96					
15	All Ages	CC	5423	6.26	0	0.00			
15	All Ages	Ecig	14616	16.88					
15	All Ages	Dual	0	0.00					
15	All Ages	Former	20699	23.90			18.13	737	3.56
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0	.					
15	18-19	CC	0	.	0	.			
15	18-19	Ecig	0	.					
15	18-19	Dual	0	.					
15	18-19	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0	.					
15	20-24	CC	0	.	0	.			
15	20-24	Ecig	0	.					
15	20-24	Dual	0	.					
15	20-24	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	4174	52.64					
15	25-29	CC	341	4.30	0	0.00			
15	25-29	Ecig	2625	33.10					
15	25-29	Dual	0	0.00					
15	25-29	Former	790	9.96			6.60	90	11.39
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	5026	60.19					
15	30-34	CC	410	4.91	0	0.00			
15	30-34	Ecig	2088	25.01					
15	30-34	Dual	0	0.00					
15	30-34	Former	826	9.89			9.38	42	5.08
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	5137	58.42					
15	35-39	CC	503	5.72	0	0.00			

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15	35-39	Ecig	1854	21.08					
15	35-39	Dual	0	0.00					
15	35-39	Former	1299	14.77			13.52	43	3.31
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5270	52.29					
15	40-44	CC	674	6.69	0	0.00			
15	40-44	Ecig	2168	21.51					
15	40-44	Dual	0	0.00					
15	40-44	Former	1966	19.51			15.64	74	3.76
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5276	50.25					
15	45-49	CC	757	7.21	0	0.00			
15	45-49	Ecig	2017	19.21					
15	45-49	Dual	0	0.00					
15	45-49	Former	2449	23.33			16.34	91	3.72
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	583	6.07	0	0.00			
15	50-54	Ecig	1428	14.88					
15	50-54	Dual	0	0.00					
15	50-54	Former	2571	26.78			18.87	69	2.68
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	510	6.00	0	0.00			
15	55-59	Ecig	1124	13.23					
15	55-59	Dual	0	0.00					
15	55-59	Former	2507	29.50			17.82	55	2.19
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	423	6.47	0	0.00			
15	60-64	Ecig	686	10.50					
15	60-64	Dual	0	0.00					
15	60-64	Former	2311	35.36			20.91	81	3.50
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	457	8.26	0	0.00			
15	65-69	Ecig	374	6.76					
15	65-69	Dual	0	0.00					
15	65-69	Former	2019	36.48			20.52	55	2.72
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	387	7.35	0	0.00			
15	70-74	Ecig	177	3.36					
15	70-74	Dual	0	0.00					
15	70-74	Former	1968	37.39			22.87	77	3.91
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	378	6.84	0	0.00			
15	75-79	Ecig	75	1.36					
15	75-79	Dual	0	0.00					
15	75-79	Former	1993	36.08			23.08	60	3.01
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	42596	52.54					
20	All Ages	CC	3145	3.88	0	0.00			
20	All Ages	Ecig	14615	18.03					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	20725	25.56			20.58	862	4.16
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4039	50.93					
20	30-34	CC	177	2.23	0	0.00			
20	30-34	Ecig	2697	34.01					
20	30-34	Dual	0	0.00					
20	30-34	Former	1017	12.82			9.38	105	10.32
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4968	59.50					
20	35-39	CC	230	2.75	0	0.00			
20	35-39	Ecig	2138	25.60					
20	35-39	Dual	0	0.00					
20	35-39	Former	1014	12.14			12.07	72	7.10
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5137	58.42					
20	40-44	CC	274	3.12	0	0.00			
20	40-44	Ecig	1909	21.71					
20	40-44	Dual	0	0.00					
20	40-44	Former	1473	16.75			16.55	77	5.23
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5270	52.29					
20	45-49	CC	407	4.04	0	0.00			
20	45-49	Ecig	2262	22.44					
20	45-49	Dual	0	0.00					
20	45-49	Former	2139	21.22			19.12	74	3.46
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5276	50.25					
20	50-54	CC	458	4.36	0	0.00			
20	50-54	Ecig	2072	19.74					
20	50-54	Dual	0	0.00					
20	50-54	Former	2693	25.65			19.56	123	4.57
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	386	4.02	0	0.00			
20	55-59	Ecig	1434	14.94					
20	55-59	Dual	0	0.00					
20	55-59	Former	2762	28.77			22.37	68	2.46
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	334	3.93	0	0.00			
20	60-64	Ecig	1049	12.35					
20	60-64	Dual	0	0.00					
20	60-64	Former	2758	32.46			20.89	129	4.68
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	276	4.22	0	0.00			
20	65-69	Ecig	583	8.92					
20	65-69	Dual	0	0.00					
20	65-69	Former	2561	39.18			23.59	90	3.51
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	327	5.91	0	0.00			
20	70-74	Ecig	333	6.02					
20	70-74	Dual	0	0.00					
20	70-74	Former	2190	39.57			23.68	64	2.92
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	276	5.24	0	0.00			
20	75-79	Ecig	138	2.62					
20	75-79	Dual	0	0.00					
20	75-79	Former	2118	40.24			26.04	60	2.83
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	39842	52.55					
25	All Ages	CC	1922	2.54	0	0.00			
25	All Ages	Ecig	13689	18.06					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	20364	26.86			22.98	668	3.28
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4017	50.66					
25	35-39	CC	85	1.07	0	0.00			
25	35-39	Ecig	2516	31.73					
25	35-39	Dual	0	0.00					
25	35-39	Former	1312	16.54			11.63	101	7.70
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4968	59.50					
25	40-44	CC	145	1.74	0	0.00			
25	40-44	Ecig	2040	24.43					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1197	14.34			14.76	75	6.27
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5137	58.42					
25	45-49	CC	168	1.91	0	0.00			
25	45-49	Ecig	1860	21.15					
25	45-49	Dual	0	0.00					
25	45-49	Former	1628	18.51			19.68	59	3.62
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5270	52.29					
25	50-54	CC	234	2.32	0	0.00			
25	50-54	Ecig	2220	22.03					
25	50-54	Dual	0	0.00					
25	50-54	Former	2354	23.36			22.09	95	4.04
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5276	50.25					
25	55-59	CC	295	2.81	0	0.00			
25	55-59	Ecig	1984	18.90					
25	55-59	Dual	0	0.00					
25	55-59	Former	2944	28.04			22.63	104	3.53
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	261	2.72	0	0.00			
25	60-64	Ecig	1312	13.67					
25	60-64	Dual	0	0.00					
25	60-64	Former	3009	31.34			25.27	118	3.92
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	242	2.85	0	0.00			
25	65-69	Ecig	948	11.16					
25	65-69	Dual	0	0.00					
25	65-69	Former	2951	34.73			24.37	44	1.49
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	227	3.47	0	0.00			
25	70-74	Ecig	521	7.97					
25	70-74	Dual	0	0.00					
25	70-74	Former	2672	40.88			27.49	42	1.57
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	265	4.79	0	0.00			
25	75-79	Ecig	288	5.20					
25	75-79	Dual	0	0.00					
25	75-79	Former	2297	41.51			27.46	30	1.31
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	37158	52.87					
30	All Ages	CC	1139	1.62	0	0.00			
30	All Ages	Ecig	12414	17.66					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	19572	27.85			25.46	595	3.04
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4017	50.66					
30	40-44	CC	48	0.61	0	0.00			
30	40-44	Ecig	2328	29.36					
30	40-44	Dual	0	0.00					
30	40-44	Former	1537	19.38			14.49	90	5.86
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4968	59.50					
30	45-49	CC	84	1.01	0	0.00			
30	45-49	Ecig	1935	23.17					
30	45-49	Dual	0	0.00					
30	45-49	Former	1363	16.32			17.61	64	4.70
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5137	58.42					
30	50-54	CC	92	1.05	0	0.00			
30	50-54	Ecig	1766	20.08					
30	50-54	Dual	0	0.00					
30	50-54	Former	1798	20.45			22.52	79	4.39
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5270	52.29					
30	55-59	CC	141	1.40	0	0.00			
30	55-59	Ecig	2078	20.62					
30	55-59	Dual	0	0.00					
30	55-59	Former	2589	25.69			24.82	88	3.40
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5276	50.25					
30	60-64	CC	213	2.03	0	0.00			
30	60-64	Ecig	1790	17.05					
30	60-64	Dual	0	0.00					
30	60-64	Former	3220	30.67			25.43	113	3.51
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	183	1.91	0	0.00			
30	65-69	Ecig	1185	12.34					
30	65-69	Dual	0	0.00					
30	65-69	Former	3214	33.48			28.49	61	1.90
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

30	70-74	Never Any	4356	51.27					
30	70-74	CC	200	2.35	0	0.00			
30	70-74	Ecig	884	10.40					
30	70-74	Dual	0	0.00					
30	70-74	Former	3057	35.98			28.40	54	1.77
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	178	2.72	0	0.00			
30	75-79	Ecig	448	6.85					
30	75-79	Dual	0	0.00					
30	75-79	Former	2794	42.75			31.16	46	1.65
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	34042	53.40					
35	All Ages	CC	707	1.11	0	0.00			
35	All Ages	Ecig	10971	17.21					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	18027	28.28			27.61	476	2.64
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4017	50.66					
35	45-49	CC	24	0.30	0	0.00			
35	45-49	Ecig	2179	27.48					
35	45-49	Dual	0	0.00					
35	45-49	Former	1710	21.56			17.75	54	3.16
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4968	59.50					
35	50-54	CC	51	0.61	0	0.00			
35	50-54	Ecig	1808	21.65					
35	50-54	Dual	0	0.00					
35	50-54	Former	1523	18.24			20.43	71	4.66
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5137	58.42					
35	55-59	CC	57	0.65	0	0.00			
35	55-59	Ecig	1626	18.49					
35	55-59	Dual	0	0.00					
35	55-59	Former	1973	22.44			25.25	68	3.45
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5270	52.29					
35	60-64	CC	99	0.98	0	0.00			
35	60-64	Ecig	1856	18.42					
35	60-64	Dual	0	0.00					
35	60-64	Former	2853	28.31			27.22	123	4.31
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5276	50.25					
35	65-69	CC	162	1.54	0	0.00			
35	65-69	Ecig	1615	15.38					
35	65-69	Dual	0	0.00					
35	65-69	Former	3446	32.82			28.59	62	1.80
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	153	1.59	0	0.00			
35	70-74	Ecig	1094	11.40					
35	70-74	Dual	0	0.00					
35	70-74	Former	3335	34.74			32.34	53	1.59
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	161	1.89	0	0.00			
35	75-79	Ecig	793	9.33					
35	75-79	Dual	0	0.00					
35	75-79	Former	3187	37.51			32.13	45	1.41
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	29686	53.73					
40	All Ages	CC	399	0.72	0	0.00			
40	All Ages	Ecig	9240	16.72					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	15925	28.82			29.62	431	2.71
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	30-34	Never Any		0	.				0	.
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 55-59										
40	50-54	Never Any		4017	50.66					
40	50-54	CC		11	0.14	0	0.00			
40	50-54	Ecig		2007	25.31					
40	50-54	Dual		0	0.00					
40	50-54	Former		1895	23.90			20.69	99	5.22
Year of Follow-up: 2030, Age Group: 60-64										
40	55-59	Never Any		4968	59.50					
40	55-59	CC		25	0.30	0	0.00			
40	55-59	Ecig		1658	19.86					
40	55-59	Dual		0	0.00					
40	55-59	Former		1699	20.35			23.03	55	3.24
Year of Follow-up: 2030, Age Group: 65-69										
40	60-64	Never Any		5137	58.42					
40	60-64	CC		35	0.40	0	0.00			
40	60-64	Ecig		1453	16.52					
40	60-64	Dual		0	0.00					
40	60-64	Former		2168	24.66			27.71	79	3.64
Year of Follow-up: 2030, Age Group: 70-74										
40	65-69	Never Any		5270	52.29					
40	65-69	CC		77	0.76	0	0.00			
40	65-69	Ecig		1646	16.33					
40	65-69	Dual		0	0.00					
40	65-69	Former		3085	30.61			29.98	70	2.27
Year of Follow-up: 2030, Age Group: 75-79										
40	70-74	Never Any		5276	50.25					
40	70-74	CC		132	1.26	0	0.00			
40	70-74	Ecig		1491	14.20					
40	70-74	Dual		0	0.00					
40	70-74	Former		3600	34.29			32.23	74	2.06
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		119	1.24	0	0.00			

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40	75-79	Ecig	985	10.26					
40	75-79	Dual	0	0.00					
40	75-79	Former	3478	36.23			35.88	54	1.55
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24668	54.04					
45	All Ages	CC	203	0.44	0	0.00			
45	All Ages	Ecig	7433	16.28					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	13346	29.24			30.79	366	2.74
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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45	55-59	Never Any	4017	50.66					
45	55-59	CC	8	0.10	0	0.00			
45	55-59	Ecig	1806	22.77					
45	55-59	Dual	0	0.00					
45	55-59	Former	2099	26.47			23.38	86	4.10
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4968	59.50					
45	60-64	CC	15	0.18	0	0.00			
45	60-64	Ecig	1482	17.75					
45	60-64	Dual	0	0.00					
45	60-64	Former	1885	22.57			25.43	90	4.77
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5137	58.42					
45	65-69	CC	26	0.30	0	0.00			
45	65-69	Ecig	1299	14.77					
45	65-69	Dual	0	0.00					
45	65-69	Former	2331	26.51			30.59	47	2.02
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5270	52.29					
45	70-74	CC	59	0.59	0	0.00			
45	70-74	Ecig	1525	15.13					
45	70-74	Dual	0	0.00					
45	70-74	Former	3224	31.99			33.54	69	2.14
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5276	50.25					
45	75-79	CC	95	0.90	0	0.00			
45	75-79	Ecig	1321	12.58					
45	75-79	Dual	0	0.00					
45	75-79	Former	3807	36.26			35.32	74	1.94
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19392	55.17					
50	All Ages	CC	83	0.24	0	0.00			
50	All Ages	Ecig	5518	15.70					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	10158	28.90			32.03	263	2.59
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4017	50.66					
50	60-64	CC	6	0.08	0	0.00			
50	60-64	Ecig	1617	20.39					
50	60-64	Dual	0	0.00					
50	60-64	Former	2290	28.88			26.16	95	4.15
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4968	59.50					
50	65-69	CC	7	0.08	0	0.00			
50	65-69	Ecig	1343	16.08					
50	65-69	Dual	0	0.00					
50	65-69	Former	2032	24.34			28.40	53	2.61
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5137	58.42					
50	70-74	CC	22	0.25	0	0.00			
50	70-74	Ecig	1200	13.65					
50	70-74	Dual	0	0.00					
50	70-74	Former	2434	27.68			34.15	50	2.05
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5270	52.29					
50	75-79	CC	48	0.48	0	0.00			
50	75-79	Ecig	1358	13.47					
50	75-79	Dual	0	0.00					
50	75-79	Former	3402	33.76			36.63	65	1.91

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	2659500.065	286749.9	3.157	9.733	2493.45	808.881	730.155	78.726

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	59034.753	43.732	0.022	0.074	2877.87	853.678	853.047	0.632
1992	198532	60494.150	60380.223	113.927	0.057	0.188	2829.84	862.271	860.648	1.624
1993	202512	62694.848	62470.729	224.119	0.111	0.357	2845.85	881.034	877.884	3.149
1994	200658	63202.598	62848.417	354.181	0.177	0.560	2777.87	874.966	870.063	4.903
1995	201023	63766.862	63246.921	519.941	0.259	0.815	2739.80	869.097	862.011	7.086
1996	201180	64591.163	63880.417	710.745	0.353	1.100	2706.36	868.908	859.347	9.561
1997	198639	64686.912	63775.903	911.009	0.459	1.408	2635.18	858.147	846.061	12.086
1998	197573	65295.961	64135.880	1160.081	0.587	1.777	2584.18	854.046	838.873	15.173
1999	211329	67327.521	65782.998	1544.523	0.731	2.294	2726.91	868.771	848.841	19.930
2000	208496	67596.897	65748.523	1848.373	0.887	2.734	2656.96	861.419	837.865	23.555
2001	203606	67008.811	64868.504	2140.307	1.051	3.194	2565.88	844.458	817.486	26.973
2002	200828	67067.744	64545.210	2522.534	1.256	3.761	2506.09	836.925	805.447	31.478
2003	196352	66756.217	63904.094	2852.123	1.453	4.272	2427.31	825.244	789.986	35.258
2004	188160	65058.725	61903.935	3154.790	1.677	4.849	2302.83	796.234	757.624	38.611
2005	186416	65214.724	61686.062	3528.661	1.893	5.411	2256.27	789.321	746.612	42.709
2006	180088	63771.146	59923.078	3848.068	2.137	6.034	2160.67	765.117	718.949	46.169
2007	175644	63110.718	58952.387	4158.331	2.367	6.589	2086.36	749.650	700.256	49.394
2008	177570	63718.624	59166.725	4551.899	2.563	7.144	2086.39	748.674	695.190	53.483
2009	172806	62794.698	58005.753	4788.945	2.771	7.626	2007.57	729.515	673.880	55.635
2010	170489	61917.074	56845.832	5071.241	2.975	8.190	1957.97	711.083	652.842	58.240
2011	170305	61680.114	56188.063	5492.052	3.225	8.904	1937.46	701.700	639.220	62.480
2012	171421	62023.127	56131.698	5891.429	3.437	9.499	1930.22	698.386	632.048	66.338
2013	172699	62037.765	55791.971	6245.794	3.617	10.068	1923.75	691.059	621.485	69.574
2014	174169	61921.017	55276.316	6644.701	3.815	10.731	1918.85	682.195	608.989	73.206
2015	177354	61856.204	54883.160	6973.044	3.932	11.273	2184.51	761.899	676.010	85.889
2016	176853	60464.119	53216.690	7247.429	4.098	11.986	2157.59	737.655	649.237	88.418
2017	179309	60243.839	52640.748	7603.091	4.240	12.621	2166.86	728.017	636.137	91.880
2018	177157	60713.327	52823.825	7889.502	4.453	12.995	2120.51	726.721	632.286	94.435
2019	179227	61148.172	52886.830	8261.342	4.609	13.510	2124.53	724.841	626.912	97.929
2020	180467	61149.317	52643.017	8506.299	4.713	13.911	2424.25	821.432	707.165	114.267
2021	178116	58727.786	50072.452	8655.334	4.859	14.738	2375.42	783.216	667.785	115.431
2022	179408	58848.802	49884.885	8963.917	4.996	15.232	2374.52	778.881	660.241	118.640
2023	180640	58816.149	49669.571	9146.579	5.063	15.551	2372.26	772.407	652.289	120.118
2024	181610	58955.232	49551.429	9403.803	5.178	15.951	2366.77	768.316	645.764	122.552
2025	180418	58297.744	48837.823	9459.921	5.243	16.227	2713.69	876.861	734.574	142.287
2026	180313	56469.971	46941.391	9528.580	5.284	16.874	2701.83	846.150	703.373	142.777
2027	179619	56209.427	46487.295	9722.132	5.413	17.296	2680.68	838.883	693.788	145.095
2028	178762	55733.105	45952.390	9780.715	5.471	17.549	2656.74	828.298	682.938	145.360
2029	177808	55145.838	45338.881	9806.958	5.515	17.784	2630.89	815.951	670.845	145.106
2030	173587	53615.097	43862.851	9752.246	5.618	18.189	3040.33	939.056	768.248	170.808
2031	174985	52046.561	42557.131	9489.430	5.423	18.233	3060.73	910.364	744.381	165.983
2032	173400	51582.636	42076.328	9506.308	5.482	18.429	3027.10	900.496	734.541	165.955
2033	171756	50839.758	41535.129	9304.629	5.417	18.302	2991.14	885.375	723.334	162.040
2034	169973	50215.451	41022.491	9192.961	5.408	18.307	2951.96	872.104	712.447	159.656
2035	162644	47773.075	38791.884	8981.191	5.522	18.800	3459.14	1016.05	825.032	191.013
2036	156254	43298.709	35129.189	8169.520	5.228	18.868	3328.25	922.274	748.261	174.013
2037	153593	42241.563	34260.564	7980.999	5.196	18.894	3274.10	900.450	730.322	170.129
2038	150947	41356.353	33631.251	7725.101	5.118	18.679	3217.50	881.531	716.867	164.664
2039	148373	40161.050	32783.644	7377.406	4.972	18.370	3159.42	855.178	698.085	157.092

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1473995.308	106469.9	4.574	6.737	639.078	433.910	404.680	29.231

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31404.310	7.700	0.018	0.025	631.345	453.901	453.789	0.111
1992	45423	32782.407	32763.024	19.383	0.043	0.059	647.450	467.274	466.998	0.276
1993	46291	33491.183	33451.795	39.388	0.085	0.118	650.515	470.643	470.089	0.554
1994	47017	34074.347	34011.713	62.634	0.133	0.184	650.895	471.719	470.852	0.867
1995	47840	34694.454	34598.207	96.247	0.201	0.277	652.025	472.861	471.549	1.312
1996	48244	35027.269	34896.426	130.842	0.271	0.374	648.999	471.202	469.442	1.760
1997	49035	35590.763	35410.199	180.564	0.368	0.507	650.506	472.153	469.757	2.395
1998	49686	36100.785	35850.972	249.813	0.503	0.692	649.874	472.184	468.917	3.267
1999	48883	35451.030	35139.426	311.604	0.637	0.879	630.769	457.448	453.427	4.021
2000	50331	36447.986	36042.617	405.369	0.805	1.112	641.392	464.474	459.308	5.166
2001	50389	36411.326	35920.159	491.167	0.975	1.349	635.012	458.863	452.673	6.190
2002	51445	37078.545	36464.657	613.888	1.193	1.656	641.972	462.696	455.035	7.661
2003	51408	36999.876	36273.227	726.649	1.413	1.964	635.509	457.395	448.412	8.983
2004	51399	36861.555	36005.637	855.919	1.665	2.322	629.057	451.138	440.662	10.475
2005	51421	36689.529	35702.884	986.645	1.919	2.689	622.370	444.069	432.127	11.942
2006	51355	36504.774	35375.712	1129.062	2.199	3.093	616.150	437.979	424.433	13.546
2007	51839	36663.202	35364.339	1298.863	2.506	3.543	615.761	435.498	420.069	15.428
2008	50976	35898.803	34488.508	1410.296	2.767	3.929	598.952	421.800	405.229	16.571
2009	51193	35934.525	34364.837	1569.689	3.066	4.368	594.733	417.468	399.232	18.236
2010	50853	35502.829	33794.796	1708.033	3.359	4.811	584.018	407.730	388.114	19.616
2011	50509	35136.342	33251.050	1885.292	3.733	5.366	574.613	399.726	378.279	21.448
2012	51245	35450.201	33379.079	2071.122	4.042	5.842	577.023	399.173	375.852	23.321
2013	51069	35123.224	32885.333	2237.891	4.382	6.372	568.874	391.249	366.320	24.929
2014	51251	35079.370	32666.461	2412.909	4.708	6.878	564.641	386.476	359.892	26.583
2015	50443	34324.171	31806.955	2517.215	4.990	7.334	621.319	422.780	391.774	31.005
2016	48854	33054.753	30445.622	2609.130	5.341	7.893	596.013	403.264	371.433	31.831
2017	48325	32471.234	29719.224	2752.011	5.695	8.475	583.983	392.399	359.142	33.257
2018	50465	33657.595	30575.385	3082.210	6.108	9.158	604.052	402.871	365.978	36.893
2019	51036	33863.424	30571.369	3292.055	6.450	9.722	604.975	401.412	362.388	39.024
2020	51444	33910.830	30453.613	3457.217	6.720	10.195	691.053	455.532	409.090	46.442
2021	48037	31531.880	28130.980	3400.900	7.080	10.786	640.639	420.521	375.165	45.356
2022	48335	31560.212	27981.263	3578.950	7.404	11.340	639.727	417.708	370.340	47.368
2023	48599	31508.781	27804.284	3704.497	7.623	11.757	638.227	413.791	365.141	48.650
2024	48784	31517.293	27659.458	3857.835	7.908	12.240	635.757	410.740	360.463	50.276
2025	48477	31175.389	27246.422	3928.967	8.105	12.603	729.141	468.912	409.816	59.096
2026	45324	29044.598	25244.664	3799.933	8.384	13.083	679.138	435.206	378.268	56.938
2027	45107	28825.765	24916.044	3909.721	8.668	13.563	673.191	430.203	371.853	58.350
2028	44842	28513.846	24551.552	3962.293	8.836	13.896	666.430	423.769	364.882	58.887
2029	44539	28148.109	24144.045	4004.064	8.990	14.225	659.013	416.486	357.241	59.245
2030	43393	27314.475	23323.576	3990.899	9.197	14.611	760.018	478.407	408.507	69.900
2031	40748	25423.102	21715.993	3707.108	9.098	14.582	712.731	444.684	379.842	64.842
2032	40325	25085.902	21367.191	3718.711	9.222	14.824	703.969	437.933	373.014	64.919
2033	39882	24645.067	20997.669	3647.398	9.145	14.800	694.543	429.194	365.674	63.519
2034	39404	24239.126	20637.699	3601.427	9.140	14.858	684.347	420.967	358.420	62.547
2035	37454	22944.147	19444.639	3499.507	9.343	15.252	796.588	487.980	413.552	74.428
2036	32988	19950.581	16929.831	3020.750	9.157	15.141	702.663	424.953	360.610	64.343
2037	32403	19415.334	16460.477	2954.857	9.119	15.219	690.731	413.871	350.883	62.988
2038	31820	18939.317	16094.400	2844.918	8.941	15.021	678.257	403.701	343.060	60.641
2039	31251	18379.752	15653.384	2726.368	8.724	14.834	665.457	391.373	333.319	58.054

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	332460.338	66373.46	2.047	16.642	890.124	109.498	91.276	18.223

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12831.863	24.616	0.026	0.191	1393.01	185.775	185.419	0.356
1992	93721	12662.244	12595.504	66.740	0.071	0.527	1335.88	180.485	179.534	0.951
1993	93679	12730.613	12602.358	128.255	0.137	1.007	1316.45	178.900	177.098	1.802
1994	90832	12495.323	12293.736	201.586	0.222	1.613	1257.46	172.983	170.192	2.791
1995	89698	12365.590	12075.407	290.184	0.324	2.347	1222.52	168.534	164.579	3.955
1996	88286	12290.551	11893.052	397.500	0.450	3.234	1187.66	165.338	159.990	5.347
1997	84777	11719.531	11231.564	487.967	0.576	4.164	1124.67	155.473	149.000	6.473
1998	82517	11416.794	10822.861	593.933	0.720	5.202	1079.29	149.327	141.559	7.768
1999	93939	13028.038	12194.062	833.976	0.888	6.401	1212.16	168.109	157.348	10.761
2000	90039	12426.299	11474.877	951.422	1.057	7.657	1147.41	158.354	146.230	12.124
2001	86119	11939.281	10853.946	1085.336	1.260	9.090	1085.29	150.461	136.784	13.678
2002	83014	11528.794	10295.143	1233.651	1.486	10.701	1035.91	143.865	128.471	15.394
2003	79302	11048.407	9700.532	1347.875	1.700	12.200	980.336	136.581	119.919	16.663
2004	73861	10375.132	8937.805	1437.327	1.946	13.854	903.963	126.978	109.387	17.591
2005	71649	10051.029	8505.117	1545.913	2.158	15.381	867.197	121.652	102.941	18.711
2006	67551	9542.523	7906.784	1635.740	2.421	17.142	810.467	114.490	94.864	19.625
2007	63503	8936.533	7266.125	1670.408	2.630	18.692	754.310	106.151	86.309	19.842
2008	63171	8944.180	7147.303	1796.878	2.844	20.090	742.239	105.091	83.979	21.113
2009	59747	8390.033	6606.912	1783.121	2.984	21.253	694.108	97.471	76.756	20.715
2010	58008	8157.570	6320.312	1837.257	3.167	22.522	666.189	93.685	72.585	21.100
2011	57368	8035.356	6113.220	1922.136	3.351	23.921	652.644	91.414	69.547	21.867
2012	57411	7970.766	5958.935	2011.831	3.504	25.240	646.453	89.752	67.098	22.653
2013	57067	7743.216	5710.217	2032.998	3.562	26.255	635.688	86.254	63.608	22.646
2014	57538	7774.935	5655.763	2119.172	3.683	27.256	633.906	85.658	62.311	23.347
2015	58395	7722.535	5557.884	2164.651	3.707	28.030	719.266	95.120	68.458	26.663
2016	58658	7600.353	5405.046	2195.307	3.743	28.884	715.621	92.723	65.941	26.782
2017	59004	7470.266	5259.435	2210.832	3.747	29.595	713.034	90.274	63.558	26.717
2018	56077	6907.050	4822.813	2084.237	3.717	30.175	671.224	82.675	57.728	24.948
2019	55886	6732.046	4677.009	2055.037	3.677	30.526	662.462	79.801	55.441	24.360
2020	55313	6429.836	4435.363	1994.473	3.606	31.019	743.037	86.373	59.581	26.792
2021	56292	6562.016	4493.310	2068.706	3.675	31.525	750.730	87.513	59.924	27.589
2022	55827	6352.366	4332.974	2019.391	3.617	31.790	738.885	84.075	57.348	26.727
2023	55338	6134.123	4189.897	1944.226	3.513	31.695	726.728	80.557	55.024	25.533
2024	54770	5922.193	4053.302	1868.891	3.412	31.557	713.771	77.179	52.823	24.356
2025	53295	5504.188	3748.484	1755.704	3.294	31.898	801.612	82.789	56.381	26.408
2026	55278	5641.075	3860.288	1780.788	3.222	31.568	828.283	84.526	57.843	26.683
2027	54199	5426.216	3732.326	1693.890	3.125	31.217	808.875	80.982	55.702	25.280
2028	53090	5197.830	3609.218	1588.612	2.992	30.563	789.020	77.249	53.640	23.610
2029	51974	4973.547	3493.924	1479.623	2.847	29.750	769.023	73.590	51.697	21.893
2030	49479	4450.618	3082.609	1368.009	2.765	30.737	866.605	77.952	53.991	23.960
2031	51987	4555.052	3205.952	1349.100	2.595	29.618	909.317	79.674	56.076	23.598
2032	50677	4349.999	3096.683	1253.316	2.473	28.812	884.689	75.939	54.060	21.880
2033	49380	4147.948	3009.564	1138.384	2.305	27.445	859.955	72.237	52.412	19.825
2034	48076	3966.133	2923.265	1042.868	2.169	26.294	834.943	68.881	50.769	18.112
2035	44518	3289.064	2359.424	929.640	2.088	28.265	946.825	69.952	50.181	19.772
2036	46347	3313.192	2424.657	888.535	1.917	26.818	987.211	70.572	51.646	18.926
2037	44841	3117.951	2330.141	787.810	1.757	25.267	955.859	66.464	49.671	16.794
2038	43378	2949.775	2257.882	691.893	1.595	23.456	924.621	62.876	48.128	14.748
2039	41973	2766.312	2182.601	583.711	1.391	21.101	893.753	58.905	46.476	12.429

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	86668.100	18231.65	1.348	17.380	371.243	28.800	23.794	5.005

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3200.117	6.946	0.021	0.217	469.694	46.342	46.241	0.100
1992	32560	3218.125	3199.463	18.662	0.057	0.580	464.104	45.871	45.604	0.266
1993	32768	3226.680	3189.786	36.894	0.113	1.143	460.480	45.344	44.825	0.518
1994	33005	3277.266	3216.480	60.786	0.184	1.855	456.915	45.370	44.528	0.842
1995	33730	3309.378	3219.287	90.092	0.267	2.722	459.716	45.104	43.877	1.228
1996	33750	3312.987	3186.961	126.025	0.373	3.804	454.019	44.568	42.872	1.695
1997	33699	3267.066	3102.281	164.785	0.489	5.044	447.056	43.341	41.155	2.186
1998	33274	3178.725	2977.942	200.783	0.603	6.316	435.211	41.577	38.950	2.626
1999	33891	3120.351	2881.900	238.451	0.704	7.642	437.317	40.264	37.187	3.077
2000	33827	3142.808	2856.575	286.233	0.846	9.108	431.074	40.050	36.403	3.648
2001	32506	2961.588	2649.251	312.337	0.961	10.546	409.647	37.323	33.386	3.936
2002	32078	2940.627	2579.506	361.121	1.126	12.280	400.295	36.695	32.189	4.506
2003	30568	2819.545	2426.835	392.710	1.285	13.928	377.883	34.855	30.001	4.855
2004	29388	2730.466	2306.957	423.509	1.441	15.510	359.671	33.417	28.234	5.183
2005	27954	2670.510	2211.948	458.562	1.640	17.171	338.339	32.322	26.772	5.550
2006	27201	2623.285	2129.687	493.598	1.815	18.816	326.354	31.474	25.552	5.922
2007	26302	2536.599	2021.476	515.123	1.958	20.308	312.424	30.131	24.012	6.119
2008	25998	2469.443	1936.676	532.767	2.049	21.574	305.468	29.015	22.755	6.260
2009	25040	2386.945	1842.544	544.401	2.174	22.807	290.901	27.730	21.406	6.325
2010	24840	2329.274	1773.409	555.865	2.238	23.864	285.273	26.750	20.367	6.384
2011	24792	2286.581	1712.204	574.376	2.317	25.119	282.045	26.013	19.479	6.534
2012	24500	2243.311	1651.225	592.086	2.417	26.393	275.872	25.260	18.593	6.667
2013	24451	2176.503	1577.365	599.138	2.450	27.528	272.368	24.245	17.571	6.674
2014	25296	2211.619	1583.657	627.962	2.482	28.394	278.691	24.366	17.447	6.918
2015	26316	2237.016	1584.981	652.035	2.478	29.148	324.141	27.554	19.523	8.031
2016	26735	2229.057	1564.464	664.593	2.486	29.815	326.164	27.194	19.086	8.108
2017	27616	2221.649	1546.221	675.429	2.446	30.402	333.726	26.848	18.685	8.162
2018	25256	1939.420	1343.006	596.414	2.362	30.752	302.304	23.214	16.075	7.139
2019	25429	1904.400	1312.092	592.307	2.329	31.102	301.434	22.574	15.553	7.021
2020	25379	1806.054	1235.962	570.092	2.246	31.566	340.922	24.261	16.603	7.658
2021	25448	1748.172	1190.540	557.632	2.191	31.898	339.386	23.314	15.877	7.437
2022	25539	1701.148	1155.373	545.775	2.137	32.083	338.015	22.515	15.292	7.223
2023	25620	1652.087	1124.113	527.973	2.061	31.958	336.461	21.696	14.762	6.934
2024	25659	1597.127	1089.786	507.341	1.977	31.766	334.391	20.814	14.202	6.612
2025	25260	1467.622	996.876	470.746	1.864	32.075	379.931	22.075	14.994	7.081
2026	25480	1390.505	953.000	437.505	1.717	31.464	381.790	20.835	14.280	6.556
2027	25264	1342.095	926.500	415.596	1.645	30.966	377.042	20.030	13.827	6.202
2028	25022	1289.536	901.952	387.584	1.549	30.056	371.870	19.165	13.405	5.760
2029	24767	1242.216	880.882	361.334	1.459	29.088	366.459	18.380	13.034	5.346
2030	23959	1096.803	771.704	325.099	1.357	29.641	419.641	19.210	13.516	5.694
2031	23963	1019.991	731.189	288.802	1.205	28.314	419.142	17.841	12.789	5.052
2032	23615	977.406	710.267	267.139	1.131	27.331	412.259	17.063	12.399	4.664
2033	23259	937.450	696.071	241.378	1.038	25.748	405.051	16.326	12.122	4.204
2034	22879	900.763	680.583	220.180	0.962	24.444	397.339	15.644	11.820	3.824
2035	21733	745.023	556.299	188.724	0.868	25.331	462.224	15.845	11.831	4.014
2036	20904	680.360	517.977	162.382	0.777	23.867	445.263	14.492	11.033	3.459
2037	20397	644.109	502.424	141.685	0.695	21.997	434.791	13.730	10.710	3.020
2038	19890	612.448	490.377	122.071	0.614	19.932	423.966	13.055	10.453	2.602
2039	19392	577.529	478.907	98.622	0.509	17.077	412.930	12.298	10.198	2.100

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	766376.319	95674.92	4.430	11.099	593.003	236.673	210.406	26.267

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11598.462	4.471	0.017	0.039	383.818	167.661	167.597	0.065
1992	26828	11831.375	11822.232	9.142	0.034	0.077	382.401	168.642	168.512	0.130
1993	29774	13246.371	13226.791	19.581	0.066	0.148	418.406	186.148	185.873	0.275
1994	29804	13355.662	13326.487	29.175	0.098	0.218	412.601	184.893	184.490	0.404
1995	29755	13397.439	13354.021	43.419	0.146	0.324	405.540	182.598	182.006	0.592
1996	30900	13960.356	13903.978	56.378	0.182	0.404	415.680	187.801	187.042	0.758
1997	31128	14109.552	14031.859	77.693	0.250	0.551	412.949	187.180	186.149	1.031
1998	32096	14599.657	14484.105	115.552	0.360	0.791	419.803	190.958	189.447	1.511
1999	34616	15728.102	15567.611	160.492	0.464	1.020	446.673	202.950	200.879	2.071
2000	34299	15579.803	15374.454	205.349	0.599	1.318	437.088	198.541	195.924	2.617
2001	34592	15696.614	15445.148	251.466	0.727	1.602	435.935	197.812	194.643	3.169
2002	34291	15519.777	15205.904	313.873	0.915	2.022	427.910	193.668	189.751	3.917
2003	35074	15888.389	15503.500	384.889	1.097	2.422	433.587	196.413	191.655	4.758
2004	33512	15091.573	14653.537	438.036	1.307	2.903	410.143	184.701	179.340	5.361
2005	35392	15803.656	15266.114	537.542	1.519	3.401	428.364	191.278	184.772	6.506
2006	33981	15100.563	14510.895	589.669	1.735	3.905	407.699	181.174	174.100	7.075
2007	34000	14974.384	14300.446	673.937	1.982	4.501	403.863	177.871	169.865	8.005
2008	37425	16406.197	15594.239	811.958	2.170	4.949	439.732	192.768	183.227	9.540
2009	36826	16083.194	15191.460	891.734	2.421	5.545	427.825	186.846	176.486	10.360
2010	36788	15927.400	14957.315	970.085	2.637	6.091	422.489	182.917	171.776	11.141
2011	37636	16221.836	15111.588	1110.248	2.950	6.844	428.164	184.547	171.916	12.631
2012	38265	16358.849	15142.459	1216.390	3.179	7.436	430.867	184.202	170.506	13.697
2013	40112	16994.822	15619.056	1375.767	3.430	8.095	446.821	189.311	173.986	15.325
2014	40084	16855.093	15370.435	1484.658	3.704	8.808	441.613	185.696	169.339	16.357
2015	42200	17572.483	15933.340	1639.143	3.884	9.328	519.788	216.445	196.255	20.190
2016	42606	17579.955	15801.557	1778.398	4.174	10.116	519.788	214.473	192.777	21.696
2017	44364	18080.688	16115.869	1964.820	4.429	10.867	536.117	218.496	194.752	23.744
2018	45359	18209.262	16082.621	2126.641	4.688	11.679	542.932	217.960	192.504	25.455
2019	46876	18648.302	16326.360	2321.942	4.953	12.451	555.657	221.054	193.530	27.524
2020	48331	19002.597	16518.080	2484.517	5.141	13.075	649.239	255.266	221.891	33.375
2021	48338	18885.717	16257.622	2628.095	5.437	13.916	644.660	251.867	216.818	35.049
2022	49708	19235.076	16415.275	2819.801	5.673	14.660	657.895	254.582	217.261	37.321
2023	51083	19521.158	16551.276	2969.882	5.814	15.214	670.849	256.363	217.361	39.002
2024	52397	19918.620	16748.882	3169.737	6.049	15.913	682.854	259.583	218.275	41.309
2025	53387	20150.545	16846.041	3304.504	6.190	16.399	803.004	303.086	253.383	49.703
2026	54232	20393.792	16883.439	3510.354	6.473	17.213	812.615	305.582	252.983	52.599
2027	55049	20615.351	16912.426	3702.925	6.727	17.962	821.568	307.668	252.405	55.263
2028	55809	20731.894	16889.667	3842.227	6.885	18.533	829.419	308.115	251.012	57.103
2029	56527	20781.967	16820.029	3961.938	7.009	19.064	836.392	307.495	248.873	58.622
2030	56756	20753.201	16684.962	4068.239	7.168	19.603	994.067	363.487	292.233	71.254
2031	58288	21048.417	16903.997	4144.420	7.110	19.690	1019.54	368.165	295.673	72.491
2032	58782	21169.329	16902.187	4267.142	7.259	20.157	1026.18	369.560	295.067	74.493
2033	59236	21109.293	16831.825	4277.468	7.221	20.263	1031.59	367.618	293.126	74.492
2034	59614	21109.429	16780.942	4328.486	7.261	20.505	1035.33	366.613	291.439	75.174
2035	58938	20794.840	16431.521	4363.319	7.403	20.983	1253.51	442.268	349.468	92.800
2036	56014	19354.577	15256.724	4097.853	7.316	21.173	1193.11	412.258	324.972	87.285
2037	55953	19064.169	14967.521	4096.648	7.322	21.489	1192.72	406.385	319.058	87.327
2038	55859	18854.812	14788.593	4066.219	7.279	21.566	1190.66	401.900	315.226	86.673
2039	55757	18437.457	14468.753	3968.704	7.118	21.525	1187.28	392.602	308.093	84.508

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9098863	2946250.006	2663836.376	282413.6	3.104	9.586	2494.62	808.881	730.341	78.540

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	59034.753	43.732	0.022	0.074	2877.87	853.678	853.047	0.632
1992	198532	60494.150	60380.268	113.881	0.057	0.188	2829.84	862.271	860.648	1.624
1993	202513	62694.848	62470.874	223.973	0.111	0.357	2845.85	881.034	877.884	3.149
1994	200659	63202.598	62848.772	353.825	0.176	0.560	2777.87	874.966	870.063	4.903
1995	201025	63766.862	63247.599	519.263	0.258	0.814	2739.80	869.097	862.011	7.086
1996	201183	64591.163	63881.571	709.592	0.353	1.099	2706.35	868.908	859.347	9.561
1997	198644	64686.912	63777.657	909.255	0.458	1.406	2635.16	858.147	846.061	12.086
1998	197579	65295.961	64138.468	1157.493	0.586	1.773	2584.16	854.046	838.873	15.173
1999	211339	67327.521	65786.860	1540.661	0.729	2.288	2726.89	868.771	848.843	19.928
2000	208510	67596.897	65754.023	1842.874	0.884	2.726	2656.94	861.419	837.870	23.549
2001	203626	67008.811	64875.978	2132.832	1.047	3.183	2565.87	844.458	817.497	26.962
2002	200854	67067.744	64554.936	2512.807	1.251	3.747	2506.09	836.925	805.463	31.462
2003	196386	66756.217	63916.588	2839.628	1.446	4.254	2427.34	825.244	790.011	35.233
2004	188202	65058.725	61919.351	3139.374	1.668	4.825	2302.89	796.234	757.660	38.575
2005	186469	65214.724	61705.025	3509.699	1.882	5.382	2256.36	789.321	746.660	42.661
2006	180151	63771.146	59945.585	3825.560	2.124	5.999	2160.80	765.117	719.011	46.106
2007	175719	63110.718	58978.874	4131.844	2.351	6.547	2086.54	749.650	700.333	49.317
2008	177660	63718.624	59198.056	4520.568	2.545	7.095	2086.63	748.674	695.285	53.388
2009	172909	62794.698	58041.613	4753.085	2.749	7.569	2007.86	729.515	673.993	55.522
2010	170606	61917.074	56886.172	5030.901	2.949	8.125	1958.32	711.083	652.972	58.111
2011	170439	61680.114	56233.386	5446.728	3.196	8.831	1937.88	701.700	639.369	62.331
2012	171574	62023.127	56182.893	5840.234	3.404	9.416	1930.71	698.386	632.220	66.166
2013	172873	62037.765	55849.059	6188.706	3.580	9.976	1924.32	691.059	621.679	69.380
2014	174366	61921.017	55339.472	6581.546	3.775	10.629	1919.51	682.195	609.207	72.988
2015	177578	61856.204	54953.073	6903.131	3.887	11.160	2185.16	761.899	676.217	85.681
2016	177100	60464.119	53291.635	7172.483	4.050	11.862	2158.31	737.655	649.465	88.190
2017	179584	60243.839	52722.402	7521.437	4.188	12.485	2167.69	728.017	636.392	91.625
2018	177454	60713.327	52913.294	7800.033	4.396	12.847	2121.43	726.721	632.568	94.153
2019	179557	61148.172	52984.961	8163.211	4.546	13.350	2125.59	724.841	627.232	97.609
2020	180832	61149.317	52750.196	8399.120	4.645	13.735	2425.21	821.432	707.452	113.980
2021	178510	58727.786	50183.784	8544.002	4.786	14.548	2376.52	783.216	668.102	115.114
2022	179838	58848.802	50004.781	8844.022	4.918	15.028	2375.78	778.881	660.594	118.286
2023	181107	58816.149	49798.215	9017.935	4.979	15.332	2373.68	772.407	652.681	119.726
2024	182114	58955.232	49689.114	9266.118	5.088	15.717	2368.35	768.316	646.195	122.121
2025	180961	58297.744	48984.638	9313.106	5.146	15.975	2715.00	876.861	734.931	141.930
2026	180895	56469.971	47093.011	9376.959	5.184	16.605	2703.35	846.150	703.772	142.378
2027	180238	56209.427	46647.688	9561.739	5.305	17.011	2682.40	838.883	694.235	144.648
2028	179420	55733.105	46121.334	9611.771	5.357	17.246	2658.68	828.298	683.435	144.863
2029	178504	55145.838	45516.071	9629.767	5.395	17.462	2633.05	815.951	671.392	144.559
2030	174318	53615.097	44047.718	9567.378	5.488	17.845	3042.05	939.056	768.684	170.372
2031	175768	52046.561	42747.036	9299.525	5.291	17.868	3062.73	910.364	744.862	165.501
2032	174220	51582.636	42274.754	9307.882	5.343	18.045	3029.37	900.496	735.083	165.413
2033	172614	50839.758	41741.794	9097.964	5.271	17.895	2993.70	885.375	723.940	161.435
2034	170866	50215.451	41236.926	8978.526	5.255	17.880	2954.80	872.104	713.112	158.991
2035	163561	47773.075	39010.468	8762.607	5.357	18.342	3461.37	1016.05	825.562	190.483
2036	157174	43298.709	35335.090	7963.619	5.067	18.392	3330.62	922.274	748.775	173.499
2037	154539	42241.563	34470.033	7771.530	5.029	18.398	3276.78	900.450	730.889	169.562
2038	151916	41356.353	33845.392	7510.960	4.944	18.162	3220.49	881.531	717.492	164.039
2039	149366	40161.050	33000.309	7160.741	4.794	17.830	3162.71	855.178	698.759	156.419

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2331914	1580465.217	1476306.165	104159.1	4.467	6.590	639.338	433.910	404.757	29.153

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31404.310	7.700	0.018	0.025	631.345	453.901	453.789	0.111
1992	45423	32782.407	32763.048	19.358	0.043	0.059	647.450	467.274	466.998	0.276
1993	46291	33491.183	33451.874	39.309	0.085	0.117	650.515	470.643	470.089	0.553
1994	47017	34074.347	34011.909	62.438	0.133	0.183	650.895	471.719	470.852	0.867
1995	47841	34694.454	34598.585	95.869	0.200	0.276	652.026	472.861	471.549	1.312
1996	48245	35027.269	34897.071	130.197	0.270	0.372	648.999	471.202	469.442	1.760
1997	49036	35590.763	35411.191	179.571	0.366	0.505	650.506	472.153	469.758	2.395
1998	49688	36100.785	35852.454	248.331	0.500	0.688	649.874	472.184	468.917	3.267
1999	48886	35451.030	35141.527	309.502	0.633	0.873	630.770	457.448	453.428	4.019
2000	50335	36447.986	36045.693	402.293	0.799	1.104	641.396	464.474	459.312	5.162
2001	50395	36411.326	35924.369	486.957	0.966	1.337	635.021	458.863	452.680	6.183
2002	51453	37078.545	36470.249	608.296	1.182	1.641	641.985	462.696	455.045	7.650
2003	51418	36999.876	36280.460	719.416	1.399	1.944	635.530	457.395	448.428	8.967
2004	51412	36861.555	36014.758	846.797	1.647	2.297	629.088	451.138	440.685	10.453
2005	51437	36689.529	35714.027	975.502	1.897	2.659	622.411	444.069	432.157	11.912
2006	51374	36504.774	35389.170	1115.604	2.172	3.056	616.205	437.979	424.471	13.508
2007	51862	36663.202	35380.436	1282.766	2.473	3.499	615.831	435.498	420.118	15.380
2008	51003	35898.803	34507.001	1391.802	2.729	3.877	599.037	421.800	405.287	16.512
2009	51225	35934.525	34386.328	1548.198	3.022	4.308	594.836	417.468	399.302	18.166
2010	50889	35502.829	33819.070	1683.759	3.309	4.743	584.138	407.730	388.195	19.535
2011	50550	35136.342	33278.198	1858.144	3.676	5.288	574.751	399.726	378.730	21.356
2012	51292	35450.201	33409.887	2040.314	3.978	5.755	577.186	399.173	375.958	23.215
2013	51122	35123.224	32919.385	2203.839	4.311	6.275	569.059	391.249	366.439	24.810
2014	51310	35079.370	32704.233	2375.137	4.629	6.771	564.852	386.476	360.026	26.450
2015	50508	34324.171	31847.947	2476.224	4.903	7.214	621.520	422.780	391.901	30.879
2016	48924	33054.753	30488.959	2565.793	5.244	7.762	596.232	403.264	371.569	31.695
2017	48401	32471.234	29765.855	2705.379	5.590	8.332	584.228	392.399	359.292	33.107
2018	50551	33657.595	30627.658	3029.937	5.994	9.002	604.332	402.871	366.147	36.724
2019	51132	33863.424	30628.587	3234.837	6.326	9.553	605.292	401.412	362.579	38.833
2020	51549	33910.830	30515.991	3394.839	6.586	10.011	691.340	455.532	409.261	46.271
2021	48144	31531.880	28193.957	3337.923	6.933	10.586	640.952	420.521	375.349	45.172
2022	48452	31560.212	28048.962	3511.251	7.247	11.126	640.078	417.708	370.544	47.164
2023	48725	31508.781	27876.764	3632.018	7.454	11.527	638.620	413.791	365.367	48.424
2024	48920	31517.293	27736.814	3780.480	7.728	11.995	636.193	410.740	360.711	50.029
2025	48623	31175.389	27328.649	3846.740	7.911	12.339	729.503	468.912	410.020	58.892
2026	45471	29044.598	25326.583	3718.015	8.177	12.801	679.533	435.206	378.488	56.718
2027	45263	28825.765	25002.387	3823.378	8.447	13.264	673.634	430.203	372.098	58.104
2028	45007	28513.846	24642.193	3871.653	8.602	13.578	666.925	423.769	365.153	58.616
2029	44714	28148.109	24238.762	3909.346	8.743	13.888	659.561	416.486	357.537	58.949
2030	43576	27314.475	23422.018	3892.457	8.933	14.251	760.450	478.407	408.741	69.665
2031	40930	25423.102	21813.035	3610.066	8.820	14.200	713.198	444.684	380.090	64.594
2032	40516	25085.902	21468.063	3617.839	8.929	14.422	704.494	437.933	373.291	64.642
2033	40081	24645.067	21102.209	3542.858	8.839	14.376	695.131	429.194	365.981	63.212
2034	39611	24239.126	20745.610	3493.516	8.820	14.413	684.995	420.967	358.755	62.212
2035	37665	22944.147	19554.069	3390.077	9.001	14.775	797.095	487.980	413.815	74.165
2036	33181	19950.581	17028.592	2921.988	8.806	14.646	703.134	424.953	360.848	64.105
2037	32601	19415.334	16560.594	2854.740	8.757	14.704	691.259	413.871	351.144	62.726
2038	32022	18939.317	16196.283	2743.034	8.566	14.483	678.843	403.701	343.347	60.354
2039	31458	18379.752	15756.188	2623.564	8.340	14.274	666.102	391.373	333.626	57.747

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3247109	398833.796	332784.329	66049.47	2.034	16.561	890.256	109.498	91.239	18.259

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12831.863	24.616	0.026	0.191	1393.01	185.775	185.419	0.356
1992	93721	12662.244	12595.513	66.731	0.071	0.527	1335.88	180.485	179.534	0.951
1993	93679	12730.613	12602.386	128.227	0.137	1.007	1316.45	178.900	177.098	1.802
1994	90833	12495.323	12293.806	201.517	0.222	1.613	1257.46	172.983	170.192	2.791
1995	89699	12365.590	12075.539	290.051	0.323	2.346	1222.52	168.534	164.579	3.955
1996	88287	12290.551	11893.277	397.274	0.450	3.232	1187.66	165.338	159.991	5.347
1997	84779	11719.531	11231.899	487.632	0.575	4.161	1124.66	155.473	149.000	6.473
1998	82519	11416.794	10823.344	593.451	0.719	5.198	1079.28	149.327	141.559	7.768
1999	93943	13028.038	12194.865	833.174	0.887	6.395	1212.14	168.109	157.349	10.760
2000	90045	12426.299	11475.948	950.351	1.055	7.648	1147.40	158.354	146.232	12.122
2001	86127	11939.281	10855.325	1083.957	1.259	9.079	1085.28	150.461	136.787	13.674
2002	83024	11528.794	10296.841	1231.953	1.484	10.686	1035.91	143.865	128.475	15.390
2003	79315	11048.407	9702.575	1345.832	1.697	12.181	980.337	136.581	119.924	16.657
2004	73877	10375.132	8940.175	1434.957	1.942	13.831	903.976	126.978	109.394	17.584
2005	71669	10051.029	8507.880	1543.149	2.153	15.353	867.225	121.652	102.949	18.702
2006	67574	9542.523	7909.870	1632.653	2.416	17.109	810.511	114.490	94.874	19.616
2007	63529	8936.533	7269.486	1667.047	2.624	18.654	754.367	106.151	86.320	19.831
2008	63202	8944.180	7151.150	1793.030	2.837	20.047	742.318	105.091	83.991	21.101
2009	59782	8390.033	6611.016	1779.018	2.976	21.204	694.203	97.471	76.769	20.702
2010	58047	8157.570	6324.782	1832.787	3.157	22.467	666.302	93.685	72.599	21.086
2011	57413	8035.356	6118.097	1917.259	3.339	23.860	652.777	91.414	69.562	21.851
2012	57462	7970.766	5964.233	2006.533	3.492	25.174	646.611	89.752	67.115	22.637
2013	57124	7743.216	5715.882	2027.334	3.549	26.182	635.870	86.254	63.626	22.628
2014	57602	7774.935	5661.974	2112.962	3.668	27.177	634.117	85.658	62.330	23.328
2015	58468	7722.535	5564.696	2157.839	3.691	27.942	719.469	95.120	68.476	26.645
2016	58739	7600.353	5412.359	2187.994	3.725	28.788	715.854	92.723	65.960	26.763
2017	59094	7470.266	5267.224	2203.042	3.728	29.491	713.298	90.274	63.579	26.696
2018	56170	6907.050	4830.564	2076.486	3.697	30.063	671.503	82.675	57.748	24.927
2019	55988	6732.046	4685.169	2046.878	3.656	30.405	662.778	79.801	55.463	24.338
2020	55424	6429.836	4443.901	1985.935	3.583	30.886	743.315	86.373	59.599	26.775
2021	56415	6562.016	4502.605	2059.410	3.650	31.384	751.057	87.513	59.944	27.570
2022	55959	6352.366	4342.586	2009.780	3.592	31.638	739.250	84.075	57.368	26.707
2023	55479	6134.123	4199.831	1934.293	3.487	31.533	727.133	80.557	55.045	25.512
2024	54920	5922.193	4063.515	1858.677	3.384	31.385	714.216	77.179	52.845	24.334
2025	53453	5504.188	3758.930	1745.257	3.265	31.708	801.972	82.789	56.396	26.393
2026	55453	5641.075	3871.642	1769.434	3.191	31.367	828.705	84.526	57.859	26.667
2027	54382	5426.216	3743.922	1682.294	3.093	31.003	809.344	80.982	55.719	25.263
2028	53282	5197.830	3621.025	1576.805	2.959	30.336	789.539	77.249	53.657	23.592
2029	52173	4973.547	3505.927	1467.620	2.813	29.509	769.592	73.590	51.715	21.875
2030	49684	4450.618	3094.490	1356.128	2.730	30.471	867.036	77.952	54.002	23.949
2031	52215	4555.052	3218.798	1336.255	2.559	29.336	909.834	79.674	56.087	23.587
2032	50912	4349.999	3109.611	1240.388	2.436	28.515	885.265	75.939	54.071	21.869
2033	49621	4147.948	3022.643	1125.305	2.268	27.129	860.591	72.237	52.423	19.814
2034	48322	3966.133	2936.423	1029.711	2.131	25.963	835.635	68.881	50.780	18.101
2035	44765	3289.064	2371.692	917.372	2.049	27.892	947.339	69.952	50.191	19.761
2036	46615	3313.192	2437.583	875.610	1.878	26.428	987.801	70.572	51.654	18.918
2037	45111	3117.951	2342.899	775.052	1.718	24.858	956.511	66.464	49.678	16.787
2038	43650	2949.775	2270.557	679.217	1.556	23.026	925.332	62.876	48.134	14.742
2039	42246	2766.312	2195.120	571.192	1.352	20.648	894.523	58.905	46.480	12.425

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1354509	104899.750	86748.638	18151.11	1.340	17.303	371.364	28.800	23.784	5.016

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3200.117	6.946	0.021	0.217	469.694	46.342	46.241	0.100
1992	32560	3218.125	3199.465	18.660	0.057	0.580	464.104	45.871	45.605	0.266
1993	32768	3226.680	3189.794	36.886	0.113	1.143	460.480	45.344	44.825	0.518
1994	33005	3277.266	3216.500	60.766	0.184	1.854	456.916	45.370	44.528	0.841
1995	33730	3309.378	3219.326	90.052	0.267	2.721	459.716	45.104	43.877	1.228
1996	33751	3312.987	3187.030	125.957	0.373	3.802	454.018	44.568	42.873	1.695
1997	33700	3267.066	3102.386	164.680	0.489	5.041	447.053	43.341	41.156	2.186
1998	33275	3178.725	2978.096	200.629	0.603	6.312	435.206	41.577	38.951	2.626
1999	33892	3120.351	2882.112	238.239	0.703	7.635	437.311	40.264	37.188	3.076
2000	33829	3142.808	2856.870	285.938	0.845	9.098	431.066	40.050	36.404	3.647
2001	32509	2961.588	2649.617	311.971	0.960	10.534	409.640	37.323	33.388	3.935
2002	32082	2940.627	2579.963	360.665	1.124	12.265	400.289	36.695	32.191	4.505
2003	30573	2819.545	2427.379	392.166	1.283	13.909	377.880	34.855	30.002	4.853
2004	29394	2730.466	2307.594	422.872	1.439	15.487	359.672	33.417	28.236	5.181
2005	27961	2670.510	2212.681	457.829	1.637	17.144	338.345	32.322	26.774	5.548
2006	27210	2623.285	2130.531	492.754	1.811	18.784	326.367	31.474	25.554	5.919
2007	26312	2536.599	2022.412	514.187	1.954	20.271	312.442	30.131	24.015	6.116
2008	26010	2469.443	1937.711	531.733	2.044	21.532	305.494	29.015	22.759	6.257
2009	25054	2386.945	1843.673	543.272	2.168	22.760	290.934	27.730	21.409	6.321
2010	24856	2329.274	1774.637	554.637	2.231	23.812	285.314	26.750	20.370	6.380
2011	24811	2286.581	1713.539	573.042	2.310	25.061	282.094	26.013	19.483	6.530
2012	24521	2243.311	1652.654	590.657	2.409	26.330	275.931	25.260	18.597	6.663
2013	24475	2176.503	1578.885	597.618	2.442	27.458	272.437	24.245	17.575	6.670
2014	25323	2211.619	1585.347	626.272	2.473	28.317	278.774	24.366	17.452	6.913
2015	26348	2237.016	1586.868	650.148	2.468	29.063	324.221	27.554	19.527	8.027
2016	26771	2229.057	1566.506	662.552	2.475	29.723	326.258	27.194	19.091	8.103
2017	27657	2221.649	1548.442	673.207	2.434	30.302	333.838	26.848	18.691	8.157
2018	25297	1939.420	1345.120	594.300	2.349	30.643	302.421	23.214	16.081	7.134
2019	25475	1904.400	1314.325	590.075	2.316	30.985	301.570	22.574	15.559	7.016
2020	25429	1806.054	1238.300	567.754	2.233	31.436	341.043	24.261	16.607	7.654
2021	25504	1748.172	1192.972	555.201	2.177	31.759	339.532	23.314	15.882	7.432
2022	25599	1701.148	1157.897	543.251	2.122	31.934	338.181	22.515	15.297	7.219
2023	25686	1652.087	1126.731	525.355	2.045	31.800	336.648	21.696	14.768	6.929
2024	25729	1597.127	1092.476	504.651	1.961	31.597	334.601	20.814	14.207	6.607
2025	25335	1467.622	999.622	468.000	1.847	31.888	380.105	22.075	14.998	7.077
2026	25561	1390.505	955.782	434.723	1.701	31.264	381.994	20.835	14.283	6.552
2027	25350	1342.095	929.350	412.746	1.628	30.754	377.273	20.030	13.831	6.199
2028	25113	1289.536	904.866	384.669	1.532	29.830	372.131	19.165	13.408	5.756
2029	24863	1242.216	883.863	358.353	1.441	28.848	366.751	18.380	13.038	5.343
2030	24060	1096.803	774.653	322.150	1.339	29.372	419.875	19.210	13.519	5.692
2031	24070	1019.991	734.101	285.889	1.188	28.029	419.413	17.841	12.792	5.049
2032	23727	977.406	713.208	264.198	1.113	27.031	412.569	17.063	12.401	4.661
2033	23375	937.450	699.066	238.384	1.020	25.429	405.400	16.326	12.124	4.202
2034	22999	900.763	683.608	217.155	0.944	24.108	397.727	15.644	11.822	3.822
2035	21856	745.023	559.139	185.885	0.850	24.950	462.531	15.845	11.833	4.012
2036	21028	680.360	520.682	159.677	0.759	23.470	445.600	14.492	11.034	3.458
2037	20523	644.109	505.108	139.001	0.677	21.580	435.171	13.730	10.710	3.020
2038	20019	612.448	493.051	119.397	0.596	19.495	424.389	13.055	10.452	2.602
2039	19523	577.529	481.566	95.963	0.492	16.616	413.396	12.298	10.197	2.101

Results for PHIM for Run 2 (Pessimistic_Analysis.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2165331	862051.244	767997.244	94054.00	4.344	10.910	593.666	236.673	210.561	26.112

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11598.462	4.471	0.017	0.039	383.818	167.661	167.597	0.065
1992	26828	11831.375	11822.242	9.133	0.034	0.077	382.401	168.642	168.512	0.130
1993	29774	13246.371	13226.820	19.551	0.066	0.148	418.406	186.148	185.873	0.275
1994	29804	13355.662	13326.558	29.104	0.098	0.218	412.601	184.893	184.490	0.404
1995	29755	13397.439	13354.149	43.291	0.145	0.323	405.539	182.598	182.006	0.592
1996	30900	13960.356	13904.192	56.163	0.182	0.402	415.679	187.801	187.042	0.759
1997	31129	14109.552	14032.180	77.372	0.249	0.548	412.947	187.180	186.148	1.032
1998	32097	14599.657	14484.575	115.082	0.359	0.788	419.799	190.958	189.445	1.513
1999	34618	15728.102	15568.356	159.746	0.461	1.016	446.668	202.950	200.877	2.073
2000	34301	15579.803	15375.512	204.292	0.596	1.311	437.083	198.541	195.922	2.618
2001	34595	15696.614	15446.667	249.948	0.722	1.592	435.932	197.812	194.642	3.170
2002	34295	15519.777	15207.884	311.894	0.909	2.010	427.909	193.668	189.751	3.917
2003	35080	15888.389	15506.174	382.215	1.090	2.406	433.589	196.413	191.657	4.756
2004	33519	15091.573	14656.824	434.749	1.297	2.881	410.151	184.701	179.344	5.357
2005	35402	15803.656	15270.437	533.219	1.506	3.374	428.379	191.278	184.779	6.499
2006	33993	15100.563	14516.014	584.549	1.720	3.871	407.723	181.174	174.111	7.064
2007	34014	14974.384	14306.540	667.844	1.963	4.460	403.896	177.871	169.880	7.990
2008	37444	16406.197	15602.195	804.003	2.147	4.901	439.781	192.768	183.249	9.519
2009	36848	16083.194	15200.597	882.597	2.395	5.488	427.887	186.846	176.513	10.333
2010	36813	15927.400	14967.683	959.717	2.607	6.026	422.564	182.917	171.808	11.110
2011	37666	16221.836	15123.552	1098.284	2.916	6.770	428.255	184.547	171.954	12.593
2012	38299	16358.849	15156.118	1202.731	3.140	7.352	430.979	184.202	170.550	13.652
2013	40153	16994.822	15634.907	1359.915	3.387	8.002	446.955	189.311	174.039	15.272
2014	40130	16855.093	15387.918	1467.175	3.656	8.705	441.768	185.696	169.399	16.297
2015	42254	17572.483	15953.562	1618.921	3.831	9.213	519.945	216.445	196.314	20.130
2016	42666	17579.955	15823.811	1756.144	4.116	9.989	519.970	214.473	192.845	21.629
2017	44433	18080.688	16140.880	1939.808	4.366	10.729	536.331	218.496	194.830	23.666
2018	45436	18209.262	16109.952	2099.310	4.620	11.529	543.176	217.960	192.591	25.368
2019	46963	18648.302	16356.881	2291.421	4.879	12.288	555.945	221.054	193.631	27.423
2020	48430	19002.597	16552.005	2450.592	5.060	12.896	649.509	255.266	221.985	33.281
2021	48447	18885.717	16294.250	2591.468	5.349	13.722	644.980	251.867	216.927	34.940
2022	49829	19235.076	16455.336	2779.740	5.579	14.451	658.266	254.582	217.385	37.196
2023	51217	19521.158	16594.889	2926.269	5.713	14.990	671.276	256.363	217.501	38.862
2024	52545	19918.620	16796.310	3122.310	5.942	15.675	683.341	259.583	218.432	41.151
2025	53550	20150.545	16897.436	3253.109	6.075	16.144	803.425	303.086	253.517	49.569
2026	54410	20393.792	16939.005	3454.788	6.350	16.940	813.119	305.582	253.141	52.441
2027	55243	20615.351	16972.030	3643.321	6.595	17.673	822.149	307.668	252.586	55.082
2028	56018	20731.894	16953.250	3778.644	6.745	18.226	830.085	308.115	251.216	56.898
2029	56753	20781.967	16887.519	3894.448	6.862	18.740	837.149	307.495	249.102	58.393
2030	56998	20753.201	16756.556	3996.644	7.012	19.258	994.688	363.487	292.421	71.066
2031	58553	21048.417	16981.102	4067.314	6.946	19.324	1020.28	368.165	295.894	72.271
2032	59066	21169.329	16983.871	4185.458	7.086	19.771	1027.05	369.560	295.319	74.241
2033	59538	21109.293	16917.876	4191.417	7.040	19.856	1032.58	367.618	293.411	74.207
2034	59934	21109.429	16871.285	4238.144	7.071	20.077	1036.45	366.613	291.756	74.857
2035	59275	20794.840	16525.567	4269.273	7.203	20.530	1254.40	442.268	349.724	92.544
2036	56350	19354.577	15348.234	4006.343	7.110	20.700	1194.09	412.258	325.240	87.018
2037	56303	19064.169	15061.432	4002.737	7.109	20.996	1193.84	406.385	319.357	87.028
2038	56225	18854.812	14885.500	3969.312	7.060	21.052	1191.92	401.900	315.559	86.340
2039	56138	18437.457	14567.435	3870.022	6.894	20.990	1188.69	392.602	308.455	84.146

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

Estimated Loss of Life from the E Component for Run: 2, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	36501440.925	5592107.02
	Female	2039	23817891.273	21104833.012	2713058.26
Lung cancer	Males	2039	18222549.860	17057566.947	1164982.91
	Female	2039	12512468.845	11616087.724	896381.122
IHD	Males	2039	15635992.616	12406132.581	3229860.04
	Female	2039	4798769.065	3865706.661	933062.405
Stroke	Males	2039	2389546.238	1920183.109	469363.128
	Female	2039	1665361.569	1370650.422	294711.147
COPD	Males	2039	5845459.234	5117558.287	727900.947
	Female	2039	4841291.793	4252388.206	588903.587

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	36575271.380	5518276.57
	Female	2039	23817891.273	21128264.569	2689626.70
Lung cancer	Males	2039	18222549.860	17092593.671	1129956.19
	Female	2039	12512468.845	11629065.776	883403.070
IHD	Males	2039	15635992.616	12426196.035	3209796.58
	Female	2039	4798769.065	3868680.028	930089.038
Stroke	Males	2039	2389546.238	1923208.547	466337.691
	Female	2039	1665361.569	1371516.889	293844.681
COPD	Males	2039	5845459.234	5133273.128	712186.106
	Female	2039	4841291.793	4259001.877	582289.915

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2577032.488	2832.870
		1992	3830683.831	3820089.698	10594.133
		1993	5076567.803	5051440.774	25127.028
		1994	6292145.526	6244458.839	47686.687
		1995	7485537.010	7405922.781	79614.229
		1996	8655955.028	8534518.085	121436.943
		1997	9791729.713	9619102.296	172627.417
		1998	10899134.186	10666365.492	232768.693
		1999	12070409.674	11756805.077	313604.597
		2000	13231384.595	12825994.379	405390.216
		2001	14371761.018	13863259.939	508501.079
		2002	15508906.386	14884081.064	624825.322
		2003	16638100.422	15885469.649	752630.773
		2004	17736465.088	16849455.775	887009.314
		2005	18834658.606	17803650.819	1031007.79
		2006	19909100.501	18724838.275	1184262.23
		2007	20958321.463	19615555.718	1342765.75
		2008	22000068.148	20492514.340	1507553.81
		2009	23018816.903	21343268.561	1675548.34
		2010	24018480.537	22171224.791	1847255.75
		2011	25003034.574	22979746.393	2023288.18
		2012	25969871.429	23766971.921	2202899.51
		2013	26920275.180	24534260.331	2386014.85
		2014	27849005.227	25278562.237	2570442.99
		2015	28749620.400	25996196.864	2753423.54
		2016	29622417.562	26685049.029	2937368.53
		2017	30462559.724	27343130.343	3119429.38
		2018	31293299.299	27995624.491	3297674.81
		2019	32109993.427	28635806.506	3474186.92
		2020	32883323.977	29240469.430	3642854.55
		2021	33610102.554	29805244.016	3804858.54
		2022	34322010.448	30358169.415	3963841.03
		2023	35018383.550	30899260.069	4119123.48
		2024	35700177.955	31430317.139	4269860.82
		2025	36315500.346	31908347.670	4407152.68
		2026	36896159.343	32358891.750	4537267.59
		2027	37462570.116	32800347.882	4662222.23
		2028	38015337.780	33232534.617	4782803.16
		2029	38554814.764	33657876.512	4896938.25
		2030	39003805.400	34009486.170	4994319.23
		2031	39436509.703	34349897.472	5086612.23
2032	39858470.458	34684145.884	5174324.57		
2033	40270147.082	35012184.737	5257962.34		
2034	40672665.743	35337740.990	5334924.75		
2035	40962732.664	35569642.610	5393090.05		
2036	41255021.653	35806146.957	5448874.70		
2037	41540573.023	36039900.187	5500672.84		
2038	41820158.066	36270909.142	5549248.92		
2039	42093547.949	36501440.925	5592107.02		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1181666.191	905.061
		1992	1777346.679	1773859.750	3486.929
		1993	2380261.899	2371859.441	8402.458
		1994	2983130.039	2966951.849	16178.190
		1995	3588982.584	3561502.537	27480.047
		1996	4195430.235	4152341.381	43088.853
		1997	4793866.694	4731536.380	62330.314
		1998	5389747.381	5304192.195	85555.186
		1999	6006722.467	5890967.387	115755.080
		2000	6625758.871	6475249.479	150509.392
		2001	7245135.411	7054390.300	190745.111
		2002	7867492.021	7630879.877	236612.144
		2003	8485051.793	8198013.219	287038.574
		2004	9092994.774	8751487.060	341507.714
		2005	9706032.803	9304859.859	401172.945
		2006	10311907.548	9846553.240	465354.308
		2007	10909437.502	10376770.648	532666.854
		2008	11506462.491	10901220.059	605242.432
		2009	12098393.287	11418151.358	680241.928
		2010	12681188.981	11923143.179	758045.801

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

		2011	13260062.991	12420356.784	839706.207
		2012	13839417.441	12913688.477	925728.964
		2013	14409614.758	13396214.144	1013400.61
		2014	14976658.746	13872121.557	1104537.19
		2015	15529977.821	14333462.623	1196515.20
		2016	16066640.764	14777191.163	1289449.60
		2017	16590035.078	15207041.958	1382993.12
		2018	17098716.137	15625075.669	1473640.47
		2019	17599868.850	16035494.314	1564374.54
		2020	18081346.241	16428362.700	1652983.54
		2021	18537594.460	16798482.956	1739111.50
		2022	18985300.234	17160595.412	1824704.82
		2023	19423958.747	17515195.326	1908763.42
		2024	19853347.772	17862078.654	1991269.12
		2025	20252822.245	18183685.191	2069137.05
		2026	20619307.063	18478517.894	2140789.17
		2027	20976063.406	18765911.074	2210152.33
		2028	21323641.947	19047026.696	2276615.25
		2029	21662117.106	19321777.713	2340339.39
		2030	21960971.694	19562649.048	2398322.65
		2031	22224951.983	19776625.142	2448326.84
		2032	22480397.853	19984905.162	2495492.69
		2033	22728639.455	20189259.493	2539379.96
		2034	22970448.888	20389914.807	2580534.08
		2035	23164154.188	20548660.320	2615493.87
		2036	23334538.616	20690431.092	2644107.52
		2037	23499760.723	20829689.134	2670071.59
		2038	23660308.401	20967566.185	2692742.22
		2039	23817891.273	21104833.012	2713058.26
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177548.728	195.384
		1992	1750034.892	1749299.108	735.784
		1993	2319752.308	2317935.178	1817.130
		1994	2872597.339	2869024.623	3572.716
		1995	3411494.825	3405330.604	6164.221
		1996	3945569.726	3935657.135	9912.590
		1997	4463316.362	4448551.009	14765.354
		1998	4975301.180	4954365.937	20935.243
		1999	5473691.125	5445164.742	28526.383
		2000	5977500.570	5939499.207	38001.363
		2001	6474795.516	6425394.117	49401.398
		2002	6968769.705	6905890.132	62879.573
		2003	7460282.140	7381572.267	78709.873
		2004	7947048.275	7850331.518	96716.757
		2005	8430571.669	8313619.487	116952.182
		2006	8903945.390	8764520.286	139425.104
		2007	9364177.982	9200395.608	163782.374
		2008	9822525.458	9631632.176	190893.283
		2009	10275228.886	10055008.513	220220.373
		2010	10720275.500	10468779.791	251495.709
		2011	11155356.373	10870655.507	284700.866
		2012	11582611.617	11262468.106	320143.510
		2013	11998803.791	11641393.284	357410.507
		2014	12402087.090	12006270.915	395816.175
		2015	12793451.706	12358196.548	435255.158
		2016	13160101.653	12685664.139	474437.514
		2017	13503583.414	12990405.829	513177.585
		2018	13859755.737	13304208.649	555547.088
		2019	14211625.176	13612390.245	599234.931
		2020	14553935.288	13910532.492	643402.796
		2021	14851747.495	14168880.596	682866.899
		2022	15144531.004	14421604.946	722926.058
		2023	15431932.496	14668672.069	763260.427
		2024	15713920.740	14910262.456	803658.284
		2025	15979112.816	15136464.962	842647.854
		2026	16206550.153	15330315.655	876234.498
		2027	16428826.050	15519475.996	909350.054
		2028	16645902.186	15704047.422	941854.764
		2029	16858126.517	15884626.227	973500.291
		2030	17045220.687	16043012.207	1002208.48
		2031	17208482.610	16181882.297	1026600.31
		2032	17367586.074	16317625.865	1049960.21
		2033	17522716.280	16450307.853	1072408.43
		2034	17674226.555	16580751.671	1093474.88
		2035	17792201.734	16681583.203	1110618.53
		2036	17903508.236	16777846.881	1125661.35
		2037	18012162.345	16872408.053	1139754.29
		2038	18118464.470	16965400.116	1153064.35

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

	Female	2039	18222549.860	17057566.947	1164982.91
		1990	307897.357	307897.357	0.000
		1991	616547.418	616436.677	110.741
		1992	931086.773	930632.576	454.197
		1993	1246155.671	1245012.803	1142.868
		1994	1561212.934	1558930.543	2282.392
		1995	1879967.742	1875903.733	4064.009
		1996	2197488.109	2190911.519	6576.590
		1997	2515698.453	2505718.043	9980.410
		1998	2836249.556	2821881.469	14368.087
		1999	3150201.390	3130476.235	19725.154
		2000	3472722.342	3446337.323	26385.019
		2001	3796994.889	3762497.580	34497.310
		2002	4126619.935	4082391.452	44228.483
		2003	4454982.533	4399574.498	55408.035
		2004	4784343.030	4716075.733	68267.297
		2005	5113443.121	5030610.299	82832.822
		2006	5442543.963	5343180.073	99363.890
		2007	5772441.497	5654614.070	117827.426
		2008	6091911.943	5954327.204	137584.739
		2009	6413671.330	6254189.837	159481.493
		2010	6730763.530	6547986.264	182777.266
		2011	7043614.101	6835796.374	207817.727
		2012	7356270.780	7121467.557	234803.223
		2013	7662551.964	7399448.045	263103.919
		2014	7964551.465	7671793.223	292758.242
		2015	8254895.403	7932241.248	322654.154
		2016	8530661.848	8177819.635	352842.212
		2017	8795826.122	8412414.746	383411.376
		2018	9067233.707	8651105.411	416128.296
		2019	9335343.270	8885572.097	449771.173
		2020	9596110.883	9112401.734	483709.149
		2021	9833186.859	9317897.016	515289.843
		2022	10066452.037	9519006.650	547445.387
		2023	10295503.609	9715816.974	579686.636
		2024	10520125.318	9908176.191	611949.127
		2025	10731915.863	10088678.052	643237.811
		2026	10917495.549	10246895.823	670599.725
		2027	11098620.885	10400975.660	697645.225
		2028	11275441.234	10551467.597	723973.637
		2029	11447962.710	10698304.710	749657.999
		2030	11601867.623	10828543.357	773324.266
		2031	11731666.516	10939029.764	792636.752
		2032	11857585.969	11046456.250	811129.719
		2033	11980128.625	11151580.568	828548.057
		2034	12099562.464	11254532.955	845029.510
		2035	12195919.946	11336911.291	859008.655
		2036	12278201.969	11408349.568	869852.402
		2037	12358146.336	11478366.300	879780.036
		2038	12435978.633	11547497.459	888481.174
		2039	12512468.845	11616087.724	896381.122
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1016872.731	2346.664
		1992	1509598.614	1500828.384	8770.230
		1993	1992735.299	1972080.183	20655.116
		1994	2462877.575	2424019.152	38858.422
		1995	2928249.390	2863870.443	64378.946
		1996	3377377.730	3280101.348	97276.382
		1997	3809062.472	3672069.475	136992.997
		1998	4222213.867	4039229.287	182984.580
		1999	4708317.743	4461535.068	246782.675
		2000	5182084.396	4864257.604	317826.792
		2001	5644097.705	5247487.715	396609.990
		2002	6107232.129	5622487.116	484745.013
		2003	6561785.704	5981991.070	579794.634
		2004	6996156.348	6318370.555	677785.793
		2005	7426261.361	6645153.832	781107.529
		2006	7849012.694	6959389.073	889623.621
		2007	8255300.530	7255959.728	999340.802
		2008	8650662.040	7539870.435	1110791.60
		2009	9030818.513	7809109.508	1221709.00
		2010	9403026.327	8069611.628	1333414.70
		2011	9767535.506	8321660.179	1445875.33
		2012	10123044.281	8564930.397	1558113.88
		2013	10470104.786	8800062.445	1670042.34
		2014	10807756.112	9027190.028	1780566.08
		2015	11130681.425	9242603.053	1888078.37
		2016	11448966.506	9454045.950	1994920.56

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

		2017	11758164.882	9659109.318	2099055.56
		2018	12054448.241	9857047.024	2197401.22
		2019	12341606.261	10049602.668	2292003.59
		2020	12600728.939	10221905.481	2378823.46
		2021	12861767.105	10397849.194	2463917.91
		2022	13114168.616	10569202.539	2544966.08
		2023	13357894.797	10736071.474	2621823.32
		2024	13593848.521	10899871.892	2693976.63
		2025	13789177.359	11033459.378	2755717.98
		2026	13993401.656	11176632.265	2816769.39
		2027	14190519.224	11317008.877	2873510.35
		2028	14381193.356	11454278.679	2926914.68
		2029	14565171.927	11589870.180	2975301.75
		2030	14697381.605	11684626.285	3012755.32
		2031	14842203.512	11791416.886	3050786.63
		2032	14982485.826	11896319.931	3086165.89
		2033	15118410.647	11999166.786	3119243.86
		2034	15250284.398	12102120.743	3148163.65
		2035	15322911.166	12156574.690	3166336.48
		2036	15405115.031	12220011.608	3185103.42
		2037	15484709.137	12282739.924	3201969.21
		2038	15561812.193	12344480.150	3217332.04
		2039	15635992.616	12406132.581	3229860.04
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	294526.629	595.834
		1992	439962.920	437705.670	2257.250
		1993	584735.615	579392.968	5342.647
		1994	727640.783	717561.270	10079.513
		1995	868486.937	851721.743	16765.194
		1996	1010321.847	984391.531	25930.316
		1997	1144230.930	1107519.344	36711.585
		1998	1274513.622	1225072.427	49441.194
		1999	1426725.938	1359861.049	66864.889
		2000	1573462.680	1487299.399	86163.281
		2001	1719132.015	1610812.639	108319.376
		2002	1863006.732	1730041.269	132965.463
		2003	2002943.227	1843464.644	159478.584
		2004	2137798.705	1950446.851	187351.855
		2005	2271071.245	2054242.255	216828.991
		2006	2400707.731	2152997.132	247710.599
		2007	2523634.512	2244928.728	278705.784
		2008	2648752.232	2336881.832	311870.400
		2009	2765973.961	2421925.001	344048.960
		2010	2881329.235	2504503.916	376825.318
		2011	2994972.694	2584730.514	410242.179
		2012	3108958.829	2664150.652	444808.177
		2013	3218140.416	2739655.984	478484.432
		2014	3328387.914	2815433.409	512954.505
		2015	3435342.796	2888380.878	546961.918
		2016	3539189.408	2958891.076	580298.332
		2017	3640041.363	3027161.717	612879.645
		2018	3732645.362	3089991.299	642654.063
		2019	3821421.978	3150451.286	670970.692
		2020	3902115.950	3204989.537	697126.413
		2021	3984301.053	3260914.454	723386.599
		2022	4062629.299	3314552.154	748077.144
		2023	4137348.729	3366311.493	771037.237
		2024	4208611.493	3416282.660	792328.833
		2025	4269419.492	3458507.498	810911.994
		2026	4330969.998	3502086.124	828883.874
		2027	4389134.306	3544044.664	845089.642
		2028	4444222.970	3584663.137	859559.832
		2029	4496447.877	3624053.540	872394.337
		2030	4536975.698	3653806.567	883169.130
		2031	4578338.586	3685153.832	893184.754
		2032	4617397.784	3715512.648	901885.136
		2033	4654407.697	3745220.254	909187.442
		2034	4689913.454	3774390.191	915523.263
		2035	4712518.190	3792086.983	920431.207
		2036	4735845.827	3810985.579	924860.248
		2037	4757958.806	3829501.471	928457.335
		2038	4778813.806	3847720.855	931092.950
		2039	4798769.065	3865706.661	933062.405
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	149231.128	231.889
		1992	222966.278	222092.327	873.951
		1993	296801.879	294674.600	2127.278
		1994	372453.706	368258.010	4195.696

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

	1995	448401.338	441186.641	7214.696
	1996	523536.301	512273.354	11262.948
	1997	596763.211	580415.495	16347.716
	1998	667546.681	645126.974	22419.707
	1999	734925.407	705614.108	29311.299
	2000	803749.361	766243.806	37505.555
	2001	870081.588	823425.257	46656.331
	2002	935347.140	878530.045	56817.095
	2003	1001627.349	933190.124	68437.226
	2004	1066587.976	985665.633	80922.343
	2005	1130548.052	1036267.158	94280.894
	2006	1195132.454	1086217.871	108914.583
	2007	1258974.043	1134578.653	124395.390
	2008	1320124.867	1180010.199	140114.668
	2009	1380776.123	1224303.881	156472.243
	2010	1440048.533	1266939.650	173108.883
	2011	1497484.847	1307677.513	189807.334
	2012	1554496.526	1347522.569	206973.957
	2013	1610819.598	1386348.454	224471.144
	2014	1667484.890	1425053.897	242430.993
	2015	1720948.287	1461105.867	259842.420
	2016	1775699.228	1497804.165	277895.063
	2017	1830250.175	1534165.590	296084.585
	2018	1875958.950	1564501.890	311457.060
	2019	1920359.232	1593963.131	326396.101
	2020	1960605.297	1620442.087	340163.211
	2021	1998912.887	1645702.338	353210.550
	2022	2036003.696	1670254.675	365749.020
	2023	2071857.536	1694118.950	377738.586
	2024	2106636.468	1717485.354	389151.114
	2025	2136450.873	1737328.771	399122.103
	2026	2164796.470	1756414.491	408381.979
	2027	2192079.608	1775070.136	417009.472
	2028	2218404.367	1793277.588	425126.779
	2029	2243769.140	1811175.169	432593.972
	2030	2263570.213	1825002.572	438567.641
	2031	2282521.590	1838497.828	444023.762
	2032	2300804.945	1851733.663	449071.282
	2033	2318464.018	1864737.794	453726.224
	2034	2335611.973	1877723.460	457888.512
	2035	2347097.290	1886339.967	460757.324
	2036	2358248.747	1894906.485	463342.262
	2037	2369033.655	1903407.231	465626.425
	2038	2379490.114	1911810.495	467679.618
	2039	2389546.238	1920183.109	469363.128
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110712.449	159.413
	1992	165654.454	165033.661	620.794
	1993	220008.519	218507.923	1500.597
	1994	275706.807	272755.205	2951.602
	1995	331417.547	326357.573	5059.974
	1996	387580.161	379598.488	7981.672
	1997	442778.242	431103.063	11675.179
	1998	496117.305	480066.913	16050.391
	1999	548268.214	527134.114	21134.101
	2000	601693.202	574504.842	27188.359
	2001	652221.103	618448.141	33772.962
	2002	703022.600	661734.096	41288.504
	2003	752023.351	702644.219	49379.132
	2004	799826.733	741745.481	58081.251
	2005	847563.928	780020.571	67543.357
	2006	894205.027	816670.423	77534.604
	2007	939571.282	851623.648	87947.634
	2008	983437.578	884806.674	98630.904
	2009	1025803.786	916350.060	109453.726
	2010	1066964.934	946561.469	120403.465
	2011	1106954.044	975485.278	131468.767
	2012	1146108.461	1003366.351	142742.110
	2013	1183544.689	1029764.559	153780.131
	2014	1221220.945	1056074.445	165146.500
	2015	1258289.311	1081686.575	176602.737
	2016	1294830.207	1106770.988	188059.219
	2017	1330332.626	1131025.749	199306.877
	2018	1360571.987	1151667.872	208904.115
	2019	1389848.723	1171658.011	218190.712
	2020	1416046.192	1189366.997	226679.195
	2021	1440588.850	1206014.962	234573.888
	2022	1464157.934	1222076.537	242081.398

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

		2023	1486810.237	1237665.983	249144.254
		2024	1508591.729	1252789.715	255802.014
		2025	1526875.621	1265360.831	261514.790
		2026	1543659.810	1277091.611	266568.199
		2027	1559623.774	1288436.024	271187.751
		2028	1574852.850	1299481.460	275371.390
		2029	1589437.452	1310272.461	279164.991
		2030	1600568.199	1318378.102	282190.097
		2031	1610776.297	1326034.101	284742.196
		2032	1620483.563	1333496.047	286987.516
		2033	1629745.442	1340849.468	288895.974
		2034	1638721.425	1348132.858	290588.567
		2035	1644649.404	1352829.266	291820.138
		2036	1650181.590	1357346.560	292835.030
		2037	1655476.066	1361815.602	293660.464
		2038	1660507.914	1366245.141	294262.773
		2039	1665361.569	1370650.422	294711.147
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233379.900	58.932
		1992	348084.047	347869.879	214.168
		1993	467278.318	466750.813	527.504
		1994	584216.907	583157.054	1059.853
		1995	697391.457	695535.091	1856.365
		1996	809471.271	806486.248	2985.023
		1997	922587.668	918066.318	4521.350
		1998	1034072.457	1027643.293	6429.163
		1999	1153475.399	1144491.160	8984.239
		2000	1268050.268	1255993.762	12056.506
		2001	1382786.209	1366952.849	15833.360
		2002	1497557.412	1477173.771	20383.641
		2003	1614405.229	1588716.189	25689.040
		2004	1726672.489	1695088.069	31584.420
		2005	1847277.524	1808610.342	38667.182
		2006	1961009.963	1914711.044	46298.919
		2007	2079868.908	2024621.729	55247.179
		2008	2206755.783	2141001.530	65754.252
		2009	2331993.380	2254846.659	77146.721
		2010	2455130.176	2365893.723	89236.454
		2011	2582657.849	2479753.194	102904.655
		2012	2709719.005	2592050.849	117668.156
		2013	2840547.005	2706456.149	134090.857
		2014	2971677.135	2820047.397	151629.739
		2015	3104538.983	2934291.395	170247.588
		2016	3237650.175	3047534.775	190115.400
		2017	3370561.253	3159449.607	211111.646
		2018	3503136.371	3269866.929	233269.442
		2019	3636402.758	3379850.462	256552.296
		2020	3768054.453	3487589.371	280465.082
		2021	3897675.067	3592811.888	304863.178
		2022	4027307.132	3697107.255	330199.877
		2023	4156698.720	3800397.574	356301.146
		2024	4285772.226	3902697.437	383074.789
		2025	4410759.298	4001094.559	409664.738
		2026	4531411.064	4095529.339	435881.726
		2027	4651145.233	4188792.873	462352.360
		2028	4769837.872	4280930.928	488906.944
		2029	4887747.179	4372204.937	515542.242
2030	4997632.895	4456845.106	540787.790		
2031	5103301.991	4538100.461	565201.531		
2032	5207593.613	4618466.425	589127.188		
2033	5310556.138	4697972.304	612583.833		
2034	5412542.816	4777145.115	635397.701		
2035	5500522.473	4845144.751	655377.722		
2036	5588149.640	4913381.983	674767.657		
2037	5674667.886	4981344.980	693322.907		
2038	5760391.289	5049218.380	711172.909		
2039	5845459.234	5117558.287	727900.947		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159990.437	39.074
		1992	240642.531	240487.844	154.687
		1993	329362.093	328945.748	416.346
		1994	418569.515	417704.831	864.685
		1995	509110.357	507519.488	1590.869
		1996	600040.117	597439.842	2600.275
		1997	691159.071	687195.930	3963.140
		1998	782866.899	777171.385	5695.514
		1999	881526.925	873495.989	8030.937
		2000	977880.647	967107.914	10772.733

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

2001	1076787.404	1062631.941	14155.463
2002	1174842.754	1156713.059	18129.694
2003	1275102.681	1252329.858	22772.823
2004	1371026.306	1343218.995	27807.310
2005	1473954.509	1439986.735	33967.774
2006	1574450.828	1533705.613	40745.215
2007	1673790.211	1625604.202	48186.009
2008	1782360.738	1725204.349	57156.388
2009	1892944.209	1825686.460	67257.749
2010	2002131.282	1924091.530	78039.752
2011	2114522.152	2024344.619	90177.533
2012	2228079.372	2124703.917	103375.455
2013	2345377.689	2227345.556	118032.133
2014	2462498.422	2328820.479	133677.943
2015	2581450.312	2431153.922	150296.390
2016	2701959.301	2533709.463	168249.838
2017	2823834.967	2636439.746	187395.221
2018	2938265.081	2732311.087	205953.994
2019	3053254.880	2827812.920	225441.959
2020	3167073.216	2921604.431	245468.785
2021	3279517.699	3013656.525	265861.174
2022	3392060.964	3104960.072	287100.892
2023	3504296.171	3195400.877	308895.295
2024	3616019.231	3284830.087	331189.144
2025	3724611.269	3371138.810	353472.459
2026	3827181.707	3452444.336	374737.371
2027	3928684.441	3532454.726	396229.715
2028	4029124.892	3611414.501	417710.391
2029	4128269.068	3689147.001	439122.066
2030	4221560.174	3761921.022	459639.152
2031	4304170.584	3826407.446	477763.139
2032	4384930.537	3889440.218	495490.320
2033	4464357.691	3951609.203	512748.489
2034	4542251.545	4012858.803	529392.741
2035	4611066.648	4066832.780	544233.868
2036	4670309.230	4113749.385	556559.845
2037	4728179.514	4160005.760	568173.754
2038	4785008.048	4206102.730	578905.318
2039	4841291.793	4252388.206	588903.587

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2577032.488	2832.870
		1992	3830683.831	3820093.127	10590.704
		1993	5076567.803	5051456.133	25111.670
		1994	6292145.526	6244501.481	47644.045
		1995	7485537.010	7406016.033	79520.976
		1996	8655955.028	8534694.242	121260.786
		1997	9791729.713	9619402.087	172327.626
		1998	10899134.186	10666837.108	232297.078
		1999	12070409.674	11757520.530	312889.144
		2000	13231384.595	12827033.650	404350.945
		2001	14371761.018	13864706.220	507054.798
		2002	15508906.386	14886033.072	622873.313
		2003	16638100.422	15888032.373	750068.049
		2004	17736465.088	16852729.545	883735.543
		2005	18834658.606	17807758.568	1026900.04
		2006	19909100.501	18729884.485	1179216.02
		2007	20958321.463	19621650.695	1336670.77
		2008	22000068.148	20499788.700	1500279.45
		2009	23018816.903	21351836.413	1666980.49
		2010	24018480.537	22181199.835	1837280.70
		2011	25003034.574	22991248.935	2011785.64
		2012	25969871.429	23780110.204	2189761.23
		2013	26920275.180	24549149.316	2371125.86
		2014	27849005.227	25295302.755	2553702.47
		2015	28749620.400	26014908.417	2734711.98
		2016	29622417.562	26705801.665	2916615.90
		2017	30462559.724	27365987.076	3096572.65
		2018	31293299.299	28020687.418	3272611.88
		2019	32109993.427	28663176.610	3446816.82
		2020	32883323.977	29270238.412	3613085.56
		2021	33610102.554	29837335.934	3772766.62
		2022	34322010.448	30392658.452	3929352.00
		2023	35018383.550	30936216.641	4082166.91
		2024	35700177.955	31469812.014	4230365.94
		2025	36315500.346	31950397.026	4365103.32
		2026	36896159.343	32403373.037	4492786.31
		2027	37462570.116	32847304.946	4615265.17
		2028	38015337.780	33282003.853	4733333.93
		2029	38554814.764	33709894.463	4844920.30
		2030	39003805.400	34063905.418	4939899.98
		2031	39436509.703	34406638.239	5029871.46
2032	39858470.458	34743224.330	5115246.13		
2033	40270147.082	35073614.547	5196532.54		
2034	40672665.743	35401554.365	5271111.38		
2035	40962732.664	35635410.330	5327322.33		
2036	41255021.653	35873907.047	5381114.61		
2037	41540573.023	36109668.024	5430905.00		
2038	41820158.066	36342697.408	5477460.66		
2039	42093547.949	36575271.380	5518276.57		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1181666.191	905.061
		1992	1777346.679	1773860.176	3486.503
		1993	2380261.899	2371861.572	8400.327
		1994	2983130.039	2966958.320	16171.719
		1995	3588982.584	3561517.691	27464.893
		1996	4195430.235	4152371.653	43058.581
		1997	4793866.694	4731590.219	62276.475
		1998	5389747.381	5304280.620	85466.761
		1999	6006722.467	5891105.533	115616.934
		2000	6625758.871	6475455.707	150303.164
		2001	7245135.411	7054684.972	190450.439
		2002	7867492.021	7631286.384	236205.637
		2003	8485051.793	8198557.411	286494.382
		2004	9092994.774	8752195.139	340799.635
		2005	9706032.803	9305763.398	400269.406
		2006	10311907.548	9847682.112	464225.436
		2007	10909437.502	10378156.942	531280.560
		2008	11506462.491	10902898.892	603563.598
		2009	12098393.287	11420158.986	678234.301
		2010	12681188.981	11925514.140	755674.840

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		2011	13260062.991	12423129.096	836933.895
		2012	13839417.441	12916903.566	922513.875
		2013	14409614.758	13399910.015	1009704.74
		2014	14976658.746	13876340.436	1100318.31
		2015	15529977.821	14338246.267	1191731.55
		2016	16066640.764	14782571.551	1284069.21
		2017	16590035.078	15213054.972	1376980.11
		2018	17098716.137	15631756.082	1466960.05
		2019	17599868.850	16042881.430	1556987.42
		2020	18081346.241	16436494.086	1644852.15
		2021	18537594.460	16807371.067	1730223.39
		2022	18985300.234	17170274.811	1815025.42
		2023	19423958.747	17525700.293	1898258.45
		2024	19853347.772	17873440.014	1979907.76
		2025	20252822.245	18195925.172	2056897.07
		2026	20619307.063	18491604.448	2127702.61
		2027	20976063.406	18779864.783	2196198.62
		2028	21323641.947	19061869.318	2261772.63
		2029	21662117.106	19337526.924	2324590.18
		2030	21960971.694	19579293.028	2381678.67
		2031	22224951.983	19794083.236	2430868.75
		2032	22480397.853	20003181.028	2477216.83
		2033	22728639.455	20208362.794	2520276.66
		2034	22970448.888	20409852.756	2560596.13
		2035	23164154.188	20569362.276	2594791.91
		2036	23334538.616	20711813.094	2622725.52
		2037	23499760.723	20851750.027	2648010.70
		2038	23660308.401	20990309.373	2669999.03
		2039	23817891.273	21128264.569	2689626.70
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177548.728	195.384
		1992	1750034.892	1749300.720	734.171
		1993	2319752.308	2317942.342	1809.966
		1994	2872597.339	2869044.430	3552.909
		1995	3411494.825	3405373.902	6120.923
		1996	3945569.726	3935739.681	9830.045
		1997	4463316.362	4448692.826	14623.536
		1998	4975301.180	4954592.300	20708.880
		1999	5473691.125	5445503.357	28187.768
		2000	5977500.570	5939990.803	37509.768
		2001	6474795.516	6426081.575	48713.941
		2002	6968769.705	6906823.363	61946.342
		2003	7460282.140	7382805.850	77476.290
		2004	7947048.275	7851923.879	95124.396
		2005	8430571.669	8315632.054	114939.615
		2006	8903945.390	8767011.598	136933.792
		2007	9364177.982	9203422.735	160755.247
		2008	9822525.458	9635264.719	187260.739
		2009	10275228.886	10059313.979	215914.908
		2010	10720275.500	10473823.582	246451.918
		2011	11155356.373	10876498.841	278857.532
		2012	11582611.617	11269169.337	313442.279
		2013	11998803.791	11649007.820	349795.971
		2014	12402087.090	12014847.446	387239.644
		2015	12793451.706	12367790.556	425661.150
		2016	13160101.653	12696285.649	463816.004
		2017	13503583.414	13002062.042	501521.372
		2018	13859755.737	13317002.056	542753.681
		2019	14211625.176	13626377.726	585247.451
		2020	14553935.288	13925768.365	628166.923
		2021	14851747.495	14185255.569	666491.926
		2022	15144531.004	14439157.998	705373.006
		2023	15431932.496	14687439.862	744492.635
		2024	15713920.740	14930279.449	783641.291
		2025	15979112.816	15157752.156	821360.660
		2026	16206550.153	15352712.418	853837.735
		2027	16428826.050	15543000.474	885825.576
		2028	16645902.186	15728715.048	917187.138
		2029	16858126.517	15910451.521	947674.996
		2030	17045220.687	16069958.678	975262.009
		2031	17208482.610	16209810.761	998671.849
		2032	17367586.074	16346540.488	1021045.59
		2033	17522716.280	16480211.310	1042504.97
		2034	17674226.555	16611650.032	1062576.52
		2035	17792201.734	16713343.224	1078858.51
		2036	17903508.236	16810421.806	1093086.43
		2037	18012162.345	16905798.727	1106363.62
		2038	18118464.470	16999606.974	1118857.50

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	Female	2039	18222549.860	17092593.671	1129956.19
		1990	307897.357	307897.357	0.000
		1991	616547.418	616436.677	110.741
		1992	931086.773	930632.803	453.970
		1993	1246155.671	1245013.947	1141.724
		1994	1561212.934	1558934.029	2278.905
		1995	1879967.742	1875911.971	4055.771
		1996	2197488.109	2190928.038	6560.072
		1997	2515698.453	2505747.688	9950.764
		1998	2836249.556	2821930.716	14318.840
		1999	3150201.390	3130552.290	19649.100
		2000	3472722.342	3446451.171	26271.171
		2001	3796994.889	3762661.031	34333.859
		2002	4126619.935	4082618.752	44001.184
		2003	4454982.533	4399881.206	55101.327
		2004	4784343.030	4716478.917	67864.114
		2005	5113443.121	5031127.832	82315.289
		2006	5442543.963	5343831.435	98712.527
		2007	5772441.497	5655420.956	117020.540
		2008	6091911.943	5955306.335	136605.608
		2009	6413671.330	6255365.064	158306.266
		2010	6730763.530	6549379.189	181384.341
		2011	7043614.101	6837428.902	206185.199
		2012	7356270.780	7123364.973	232905.807
		2013	7662551.964	7401631.531	260920.432
		2014	7964551.465	7674287.184	290264.281
		2015	8254895.403	7935064.128	319831.275
		2016	8530661.848	8180983.831	349678.017
		2017	8795826.122	8415936.625	379889.498
		2018	9067233.707	8655019.398	412214.308
		2019	9335343.270	8889901.635	445441.635
		2020	9596110.883	9117169.470	478941.412
		2021	9833186.859	9323095.292	510091.567
		2022	10066452.037	9524655.517	541796.520
		2023	10295503.609	9721935.902	573567.707
		2024	10520125.318	9914782.755	605342.563
		2025	10731915.863	10095785.686	636130.177
		2026	10917495.549	10254465.836	663029.712
		2027	11098620.885	10409019.291	689601.594
		2028	11275441.234	10559996.379	715444.855
		2029	11447962.710	10707327.891	740634.819
		2030	11601867.623	10838055.955	763811.668
		2031	11731666.516	10948966.268	782700.248
		2032	11857585.969	11056818.430	800767.539
		2033	11980128.625	11162372.448	817756.177
		2034	12099562.464	11265757.362	833805.102
		2035	12195919.946	11348533.289	847386.657
		2036	12278201.969	11420310.677	857891.292
		2037	12358146.336	11490665.243	867481.093
		2038	12435978.633	11560135.032	875843.601
		2039	12512468.845	11629065.776	883403.070
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1016872.731	2346.664
		1992	1509598.614	1500829.708	8768.906
		1993	1992735.299	1972086.148	20649.151
		1994	2462877.575	2424035.705	38841.870
		1995	2928249.390	2863906.606	64342.783
		1996	3377377.730	3280168.571	97209.159
		1997	3809062.472	3672181.806	136880.666
		1998	4222213.867	4039401.868	182811.999
		1999	4708317.743	4461801.448	246516.295
		2000	5182084.396	4864644.837	317439.560
		2001	5644097.705	5248022.545	396075.160
		2002	6107232.129	5623202.414	484029.715
		2003	6561785.704	5982917.596	578868.108
		2004	6996156.348	6319534.320	676622.028
		2005	7426261.361	6646589.564	779671.797
		2006	7849012.694	6961126.995	887885.699
		2007	8255300.530	7258025.672	997274.857
		2008	8650662.040	7542293.783	1108368.26
		2009	9030818.513	7811913.668	1218904.84
		2010	9403026.327	8072823.903	1330202.42
		2011	9767535.506	8325307.382	1442228.12
		2012	10123044.281	8569038.637	1554005.64
		2013	10470104.786	8804656.859	1665447.93
		2014	10807756.112	9032294.446	1775461.67
		2015	11130681.425	9248242.431	1882438.99
		2016	11448966.506	9460249.240	1988717.27

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		2017	11758164.882	9665899.659	2092265.22
		2018	12054448.241	9864411.658	2190036.58
		2019	12341606.261	10057556.422	2284049.84
		2020	12600728.939	10230457.090	2370271.85
		2021	12861767.105	10407016.338	2454750.77
		2022	13114168.616	10578995.297	2535173.32
		2023	13357894.797	10746499.118	2611395.68
		2024	13593848.521	10910946.195	2682902.33
		2025	13789177.359	11045157.865	2744019.49
		2026	13993401.656	11188995.866	2804405.79
		2027	14190519.224	11330045.142	2860474.08
		2028	14381193.356	11467991.721	2913201.63
		2029	14565171.927	11604265.377	2960906.55
		2030	14697381.605	11699602.320	2997779.28
		2031	14842203.512	11807043.597	3035159.92
		2032	14982485.826	11912598.844	3069886.98
		2033	15118410.647	12016098.716	3102311.93
		2034	15250284.398	12119717.400	3130567.00
		2035	15322911.166	12174603.180	3148307.99
		2036	15405115.031	12238544.060	3166570.97
		2037	15484709.137	12301780.282	3182928.85
		2038	15561812.193	12364029.729	3197782.46
		2039	15635992.616	12426196.035	3209796.58
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	294526.629	595.834
		1992	439962.920	437705.779	2257.142
		1993	584735.615	579393.492	5342.124
		1994	727640.783	717562.822	10077.961
		1995	868486.937	851725.267	16761.671
		1996	1010321.847	984398.453	25923.394
		1997	1144230.930	1107531.290	36699.640
		1998	1274513.622	1225091.387	49422.235
		1999	1426725.938	1359891.293	66834.644
		2000	1573462.680	1487344.204	86118.475
		2001	1719132.015	1610875.635	108256.380
		2002	1863006.732	1730126.351	132880.381
		2003	2002943.227	1843575.551	159367.677
		2004	2137798.705	1950587.282	187211.424
		2005	2271071.245	2054416.783	216654.462
		2006	2400707.731	2153209.510	247498.221
		2007	2523634.512	2245181.980	278452.532
		2008	2648752.232	2337181.484	311570.748
		2009	2765973.961	2422273.404	343700.557
		2010	2881329.235	2504905.548	376423.686
		2011	2994972.694	2585189.851	409782.843
		2012	3108958.829	2664672.651	444286.178
		2013	3218140.416	2740244.005	477896.411
		2014	3328387.914	2816093.535	512294.379
		2015	3435342.796	2889119.176	546223.620
		2016	3539189.408	2959712.162	579477.246
		2017	3640041.363	3028069.604	611971.758
		2018	3732645.362	3090984.405	641660.958
		2019	3821421.978	3151532.024	669889.954
		2020	3902115.950	3206159.526	695956.424
		2021	3984301.053	3262181.049	722120.004
		2022	4062629.299	3315916.594	746712.705
		2023	4137348.729	3367775.385	769573.345
		2024	4208611.493	3417846.989	790764.504
		2025	4269419.492	3460170.467	809249.025
		2026	4330969.998	3503853.848	827116.150
		2027	4389134.306	3545916.640	843217.666
		2028	4444222.970	3586639.245	857583.725
		2029	4496447.877	3626133.396	870314.480
		2030	4536975.698	3655980.926	880994.772
		2031	4578338.586	3687428.836	890909.750
		2032	4617397.784	3717886.839	899510.945
		2033	4654407.697	3747693.402	906714.295
		2034	4689913.454	3776962.196	912951.257
		2035	4712518.190	3794735.505	917782.685
		2036	4735845.827	3813716.152	922129.674
		2037	4757958.806	3832313.411	925645.396
		2038	4778813.806	3850613.631	928200.175
		2039	4798769.065	3868680.028	930089.038
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	149231.128	231.889
		1992	222966.278	222092.516	873.762
		1993	296801.879	294675.475	2126.403
		1994	372453.706	368260.542	4193.164

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	1995	448401.338	441192.296	7209.042
	1996	523536.301	512284.127	11252.174
	1997	596763.211	580433.781	16329.430
	1998	667546.681	645155.453	22391.228
	1999	734925.407	705655.461	29269.946
	2000	803749.361	766302.652	37446.709
	2001	870081.588	823505.218	46576.370
	2002	935347.140	878635.760	56711.379
	2003	1001627.349	933326.659	68300.690
	2004	1066587.976	985838.009	80749.967
	2005	1130548.052	1036480.343	94067.708
	2006	1195132.454	1086477.777	108654.676
	2007	1258974.043	1134890.501	124083.542
	2008	1320124.867	1180376.990	139747.877
	2009	1380776.123	1224730.866	156045.257
	2010	1440048.533	1267431.275	172617.258
	2011	1497484.847	1308238.020	189246.826
	2012	1554496.526	1348155.837	206340.689
	2013	1610819.598	1387059.748	223759.849
	2014	1667484.890	1425848.168	241636.722
	2015	1720948.287	1461987.782	258960.504
	2016	1775699.228	1498780.634	276918.594
	2017	1830250.175	1535242.485	295007.690
	2018	1875958.950	1565670.173	310288.777
	2019	1920359.232	1595225.090	325134.142
	2020	1960605.297	1621799.318	338805.980
	2021	1998912.887	1647154.338	351758.550
	2022	2036003.696	1671802.976	364200.719
	2023	2071857.536	1695764.914	376092.623
	2024	2106636.468	1719230.743	387405.725
	2025	2136450.873	1739171.466	397279.407
	2026	2164796.470	1758353.368	406443.103
	2027	2192079.608	1777106.129	414973.479
	2028	2218404.367	1795411.166	422993.201
	2029	2243769.140	1813406.840	430362.301
	2030	2263570.213	1827322.473	436247.740
	2031	2282521.590	1840905.341	441616.249
	2032	2300804.945	1854228.889	446576.056
	2033	2318464.018	1867321.097	451142.921
	2034	2335611.973	1880396.393	455215.580
	2035	2347097.290	1889082.120	458015.170
	2036	2358248.747	1897718.451	460530.296
	2037	2369033.655	1906289.842	462743.813
	2038	2379490.114	1914764.258	464725.855
	2039	2389546.238	1923208.547	466337.691
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110712.449	159.413
	1992	165654.454	165033.702	620.752
	1993	220008.519	218508.122	1500.397
	1994	275706.807	272755.789	2951.018
	1995	331417.547	326358.898	5058.649
	1996	387580.161	379601.078	7979.083
	1997	442778.242	431107.562	11670.680
	1998	496117.305	480074.092	16043.212
	1999	548268.214	527144.842	21123.373
	2000	601693.202	574520.395	27172.807
	2001	652221.103	618469.521	33751.582
	2002	703022.600	661762.670	41259.930
	2003	752023.351	702681.261	49342.090
	2004	799826.733	741792.298	58034.434
	2005	847563.928	780078.719	67485.209
	2006	894205.027	816741.431	77463.596
	2007	939571.282	851708.825	87862.457
	2008	983437.578	884907.264	98530.314
	2009	1025803.786	916467.348	109336.438
	2010	1066964.934	946696.625	120268.309
	2011	1106954.044	975639.602	131314.442
	2012	1146108.461	1003541.171	142567.290
	2013	1183544.689	1029960.880	153583.809
	2014	1221220.945	1056294.235	164926.711
	2015	1258289.311	1081932.243	176357.069
	2016	1294830.207	1107044.132	187786.076
	2017	1330332.626	1131327.913	199004.713
	2018	1360571.987	1151996.946	208575.041
	2019	1389848.723	1172014.884	217833.838
	2020	1416046.192	1189752.231	226293.961
	2021	1440588.850	1206428.538	234160.311
	2022	1464157.934	1222518.946	241638.988

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

		2023	1486810.237	1238137.837	248672.400
		2024	1508591.729	1253291.393	255300.336
		2025	1526875.621	1265891.754	260983.867
		2026	1543659.810	1277650.728	266009.082
		2027	1559623.774	1289023.281	270600.494
		2028	1574852.850	1300096.959	274755.891
		2029	1589437.452	1310916.273	278521.179
		2030	1600568.199	1319047.741	281520.458
		2031	1610776.297	1326728.518	284047.779
		2032	1620483.563	1334215.040	286268.523
		2033	1629745.442	1341593.177	288152.265
		2034	1638721.425	1348901.494	289819.931
		2035	1644649.404	1353617.930	291031.475
		2036	1650181.590	1358154.628	292026.962
		2037	1655476.066	1362643.104	292832.962
		2038	1660507.914	1367092.086	293415.828
		2039	1665361.569	1371516.889	293844.681
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233379.900	58.932
		1992	348084.047	347870.183	213.864
		1993	467278.318	466752.168	526.150
		1994	584216.907	583160.805	1056.102
		1995	697391.457	695543.229	1848.227
		1996	809471.271	806501.863	2969.408
		1997	922587.668	918093.674	4493.993
		1998	1034072.457	1027687.487	6384.970
		1999	1153475.399	1144560.264	8915.135
		2000	1268050.268	1256095.359	11954.909
		2001	1382786.209	1367096.882	15689.328
		2002	1497557.412	1477371.536	20185.876
		2003	1614405.229	1588982.269	25422.961
		2004	1726672.489	1695433.337	31239.152
		2005	1847277.524	1809056.606	38220.918
		2006	1961009.963	1915268.115	45741.848
		2007	2079868.908	2025311.787	54557.122
		2008	2206755.783	2141853.208	64902.575
		2009	2331993.380	2255877.900	76115.480
	2010	2455130.176	2367121.075	88009.101	
	2011	2582657.849	2481204.691	101453.158	
	2012	2709719.005	2593746.393	115972.612	
	2013	2840547.005	2708424.889	132122.117	
	2014	2971677.135	2822312.696	149364.440	
	2015	3104538.983	2936887.648	167651.335	
	2016	3237650.175	3050486.142	187164.033	
	2017	3370561.253	3162782.890	207778.363	
	2018	3503136.371	3273603.531	229532.841	
	2019	3636402.758	3384017.372	252385.386	
	2020	3768054.453	3492213.639	275840.813	
	2021	3897675.067	3597909.689	299765.378	
	2022	4027307.132	3702702.180	324604.952	
	2023	4156698.720	3806512.747	350185.973	
	2024	4285772.226	3909355.627	376416.598	
	2025	4410759.298	4008315.539	402443.759	
	2026	4531411.064	4103311.386	428099.678	
	2027	4651145.233	4197153.200	453992.033	
	2028	4769837.872	4289885.918	479951.954	
	2029	4887747.179	4381770.725	505976.454	
2030	4997632.895	4467021.946	530610.949		
2031	5103301.991	4548878.541	554423.450		
2032	5207593.613	4629856.110	577737.503		
2033	5310556.138	4709983.423	600572.714		
2034	5412542.816	4789790.540	622752.276		
2035	5500522.473	4858381.805	642140.668		
2036	5588149.640	4927222.730	660926.910		
2037	5674667.886	4995799.173	678868.713		
2038	5760391.289	5064296.447	696094.841		
2039	5845459.234	5133273.128	712186.106		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159990.437	39.074
		1992	240642.531	240487.892	154.639
		1993	329362.093	328946.011	416.083
		1994	418569.515	417705.680	863.835
		1995	509110.357	507521.555	1588.802
		1996	600040.117	597444.084	2596.033
		1997	691159.071	687203.680	3955.391
		1998	782866.899	777184.425	5682.474
		1999	881526.925	873517.108	8009.817
		2000	977880.647	967139.937	10740.711

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

2001	1076787.404	1062678.786	14108.618
2002	1174842.754	1156778.611	18064.143
2003	1275102.681	1252419.393	22683.288
2004	1371026.306	1343336.642	27689.664
2005	1473954.509	1440140.064	33814.445
2006	1574450.828	1533899.736	40551.092
2007	1673790.211	1625845.181	47945.030
2008	1782360.738	1725503.809	56856.928
2009	1892944.209	1826053.171	66891.039
2010	2002131.282	1924532.778	77598.504
2011	2114522.152	2024870.741	89651.412
2012	2228079.372	2125324.771	102754.601
2013	2345377.689	2228073.598	117304.091
2014	2462498.422	2329665.483	132832.939
2015	2581450.312	2432130.721	149319.591
2016	2701959.301	2534831.427	167127.874
2017	2823834.967	2637720.830	186114.137
2018	2938265.081	2733755.333	204509.748
2019	3053254.880	2829432.886	223821.994
2020	3167073.216	2923412.858	243660.357
2021	3279517.699	3015666.188	263851.511
2022	3392060.964	3107183.754	284877.210
2023	3504296.171	3197851.169	306445.002
2024	3616019.231	3287518.876	328500.355
2025	3724611.269	3374077.265	350534.004
2026	3827181.707	3455634.036	371547.671
2027	3928684.441	3535905.572	392778.869
2028	4029124.892	3615136.735	413988.158
2029	4128269.068	3693149.364	435119.704
2030	4221560.174	3766208.406	455351.768
2031	4304170.584	3830959.615	473210.970
2032	4384930.537	3894260.719	490669.818
2033	4464357.691	3956703.767	507653.924
2034	4542251.545	4018231.703	524019.841
2035	4611066.648	4072475.553	538591.095
2036	4670309.230	4119631.637	550677.593
2037	4728179.514	4166128.269	562051.245
2038	4785008.048	4212468.624	572539.424
2039	4841291.793	4259001.877	582289.915

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	375714.313	68196.720
		35-39	1146798.555	966951.329	179847.226
		40-44	2609591.408	2190451.513	419139.895
		45-49	4775841.753	4003538.532	772303.221
		50-54	7446969.205	6309468.925	1137500.28
		55-59	8240205.925	7117767.847	1122438.08
		60-64	8772829.118	7699950.326	1072878.79
		65-69	6161494.678	5554521.986	606972.692
		70-74	2495906.274	2283076.153	212830.120
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	201838.358	27302.203
		35-39	570217.942	498986.428	71231.514
		40-44	1267538.938	1102790.874	164748.064
		45-49	2340070.698	2035727.180	304343.518
		50-54	3743803.613	3270929.125	472874.488
		55-59	4591478.168	4060430.894	531047.274
		60-64	5207367.788	4625493.137	581874.650
		65-69	4092181.394	3692652.702	399528.692
70-74		1776092.171	1615984.313	160107.858	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	62447.790	3617.228
		35-39	232509.414	220041.730	12467.684
		40-44	688628.041	648789.215	39838.826
		45-49	1528300.367	1430409.886	97890.482
		50-54	2730187.229	2547439.495	182747.734
		55-59	3909101.673	3645942.383	263159.290
		60-64	4287716.660	4008286.522	279430.138
		65-69	3467897.115	3254635.855	213261.260
		70-74	1312144.343	1239574.071	72570.272
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	49204.937	2708.176
		35-39	189792.904	179504.453	10288.451
		40-44	527596.573	494565.039	33031.534
		45-49	1122524.269	1044666.406	77857.863
		50-54	1882214.322	1744847.660	137366.662
		55-59	2595581.943	2403314.583	192267.360
		60-64	2846273.090	2634005.717	212267.372
		65-69	2358758.394	2190048.276	168710.118
70-74		937814.238	875930.652	61883.585	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	215372.781	48461.785
		35-39	692140.150	557555.898	134584.253
		40-44	1519708.432	1203399.181	316309.251
		45-49	2568546.697	2004301.730	564244.967
		50-54	3632929.903	2857036.822	775893.082
		55-59	2807892.356	2189053.194	618839.162
		60-64	2599825.934	2083694.874	516131.059
		65-69	1113578.307	917959.439	195618.868
		70-74	437536.271	377758.660	59777.610
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	66374.850	13274.247
		35-39	193965.908	157033.521	36932.387
		40-44	403380.974	319497.935	83883.039
		45-49	671385.408	526342.880	145042.528
		50-54	1011875.989	802613.315	209262.674
		55-59	849875.715	674373.378	175502.338
		60-64	925490.876	754260.361	171230.515
		65-69	455463.881	383607.404	71856.478
70-74		207681.216	181603.016	26078.200	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	62326.949	11136.701
		35-39	151934.057	127582.332	24351.725
		40-44	262845.974	216954.578	45891.396
		45-49	383421.246	310908.685	72512.561
		50-54	479872.634	381700.024	98172.610
		55-59	437124.903	342138.390	94986.514
		60-64	419457.235	330911.881	88545.354
		65-69	128180.574	102641.171	25539.403
		70-74	53245.965	45019.100	8226.865
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	55104.294	7814.796

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

		35-39	120806.205	103732.523	17073.682
		40-44	203391.885	170514.335	32877.550
		45-49	278172.097	228948.433	49223.664
		50-54	325979.181	264813.689	61165.492
		55-59	275161.340	221115.046	54046.294
		60-64	268920.493	217833.927	51086.566
		65-69	87956.054	72664.757	15291.296
		70-74	42055.224	35923.418	6131.806
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	35566.793	4981.008
		35-39	70214.933	61771.369	8443.565
		40-44	138408.960	121308.539	17100.421
		45-49	295573.443	257918.231	37655.212
		50-54	603979.438	523292.584	80686.854
		55-59	1086086.992	940633.880	145453.112
		60-64	1465829.290	1277057.049	188772.241
		65-69	1451838.682	1279285.521	172553.161
		70-74	692979.695	620724.321	72255.374
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	31154.277	3504.984
		35-39	65652.924	58715.931	6936.993
		40-44	133169.505	118213.565	14955.940
		45-49	267988.924	235769.461	32219.463
		50-54	523734.121	458654.460	65079.660
		55-59	870859.170	761627.887	109231.282
		60-64	1166683.329	1019393.132	147290.197
		65-69	1190003.066	1046332.265	143670.800
		70-74	588541.493	522527.227	66014.267
		75-79	0.000	0.000	0.000

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	375731.167	68179.867
		35-39	1146798.555	967081.754	179716.801
		40-44	2609591.408	2191293.860	418297.548
		45-49	4775841.753	4007165.135	768676.618
		50-54	7446969.205	6319900.081	1127069.12
		55-59	8240205.925	7133021.341	1107184.58
		60-64	8772829.118	7721783.482	1051045.64
		65-69	6161494.678	5569414.801	592079.877
		70-74	2495906.274	2289879.759	206026.514
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	201841.798	27298.763
		35-39	570217.942	499012.531	71205.411
		40-44	1267538.938	1102955.049	164583.889
		45-49	2340070.698	2036437.365	303633.333
		50-54	3743803.613	3273154.781	470648.832
		55-59	4591478.168	4064511.539	526966.629
		60-64	5207367.788	4632328.621	575039.167
		65-69	4092181.394	3698692.902	393488.492
70-74		1776092.171	1619329.983	156762.187	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	62450.117	3614.900
		35-39	232509.414	220067.106	12442.308
		40-44	688628.041	649009.921	39618.120
		45-49	1528300.367	1431590.356	96710.011
		50-54	2730187.229	2551283.518	178903.711
		55-59	3909101.673	3653217.503	255884.170
		60-64	4287716.660	4019004.571	268712.089
		65-69	3467897.115	3262881.237	205015.877
		70-74	1312144.343	1243089.342	69055.001
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	49205.721	2707.391
		35-39	189792.904	179512.991	10279.914
		40-44	527596.573	494635.193	32961.380
		45-49	1122524.269	1045017.792	77506.477
		50-54	1882214.322	1745999.380	136214.942
		55-59	2595581.943	2405671.928	189910.015
		60-64	2846273.090	2637823.586	208449.504
		65-69	2358758.394	2193513.376	165245.018
70-74		937814.238	877685.810	60128.428	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	215383.101	48451.465
		35-39	692140.150	557635.204	134504.947
		40-44	1519708.432	1203887.699	315820.733
		45-49	2568546.697	2006199.949	562346.748
		50-54	3632929.903	2861912.000	771017.903
		55-59	2807892.356	2193661.285	614231.072
		60-64	2599825.934	2089073.161	510752.773
		65-69	1113578.307	919894.997	193683.311
		70-74	437536.271	378548.640	58987.631
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	66376.117	13272.979
		35-39	193965.908	157042.801	36923.107
		40-44	403380.974	319549.823	83831.151
		45-49	671385.408	526535.393	144850.015
		50-54	1011875.989	803160.585	208715.404
		55-59	849875.715	674990.298	174885.417
		60-64	925490.876	755171.297	170319.580
		65-69	455463.881	384028.625	71435.257
70-74		207681.216	181825.088	25856.128	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	62329.484	11134.165
		35-39	151934.057	127598.676	24335.380
		40-44	262845.974	217032.801	45813.174
		45-49	383421.246	311173.630	72247.616
		50-54	479872.634	382314.149	97558.485
		55-59	437124.903	342867.851	94257.052
		60-64	419457.235	331859.368	87597.866
		65-69	128180.574	102896.570	25284.004
		70-74	53245.965	45136.017	8109.948
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	55105.123	7813.967

Results for PHIM for Run 2 (ELL Summary Pessimistic_Analysis.RTF)

		35-39	120806.205	103737.427	17068.778
		40-44	203391.885	170536.781	32855.105
		45-49	278172.097	229018.954	49153.143
		50-54	325979.181	264972.934	61006.247
		55-59	275161.340	221307.765	53853.575
		60-64	268920.493	218107.258	50813.235
		65-69	87956.054	72754.078	15201.976
		70-74	42055.224	35976.568	6078.655
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	35568.464	4979.337
		35-39	70214.933	61780.768	8434.165
		40-44	138408.960	121363.439	17045.521
		45-49	295573.443	258201.200	37372.243
		50-54	603979.438	524390.413	79589.025
		55-59	1086086.992	943274.703	142812.289
		60-64	1465829.290	1281846.382	183982.908
		65-69	1451838.682	1283741.997	168096.685
		70-74	692979.695	623105.760	69873.934
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	31154.836	3504.425
		35-39	65652.924	58719.312	6933.612
		40-44	133169.505	118233.252	14936.253
		45-49	267988.924	235865.226	32123.698
		50-54	523734.121	459021.882	64712.239
		55-59	870859.170	762541.548	108317.622
		60-64	1166683.329	1021226.480	145456.849
		65-69	1190003.066	1048396.824	141606.241
		70-74	588541.493	523842.517	64698.976
		75-79	0.000	0.000	0.000

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

System Date and Time: 20210220T085818
User: JohnS
SAS Version: 9.4
Project: Population Health Impact Model 7.3

The System is running in Test Mode

Maximum Upper Age for P Component = 79
Upper Age for ELL Calculations = 75
Report in E-component: Social Classes A and B combined
Description: Sensitivity Analysis 1 for VeneBio, Change F value
Assumption Files:
Options Control File: C:\VeneBio\OG_Test\US_Control_V_S1.CSV
TTP Test File: C:\VeneBio\OG_Test\TTP_Test_MA.csv
TTP Reference File: C:\VeneBio\OG_Test\TTP_Reference_V.csv
TTP Factor Test File: C:\VeneBio\OG_Test\TTP_FACTOR_Test.csv
TTP Factor Reference File: C:\VeneBio\OG_Test\TTP_FACTOR_Test.csv
TP Socioeconomic Groups: Not Used
Output Choices:C:\VeneBio\OG_Test\OUTC_PA.csv

Main Results will be sent to the folder C:\VeneBio\Main_Results\
Plots will be sent to the folder C:\VeneBio\Plot_Results\Plots_20210220T085818
Saved P, E and/or A Component results will be sent to the folder C:\VeneBio\SAVED\Saved_20210220T085818\

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Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

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Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

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Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Control File Details for Run: 1

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.4
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_1
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 1, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation		Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.001921	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.002360	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000188	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000093	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000047	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.002944	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.004193	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000412	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000578	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000218	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.003449	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.004264	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.001965	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000671	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000332	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.003294	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.004442	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000059	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.001351	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000661	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.002198	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.003788	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000304	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000239	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000119	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 1, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 1, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			M (Males)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	11508	12.47	0	0.00			
5	All Ages	Ecig	15517	16.81					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26897	29.14			15.19	1705	6.34
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	320	9.03	0	0.00			
5	18-19	Ecig	659	18.59					
5	18-19	Dual	0	0.00					
5	18-19	Former	117	3.30			1.11	80	68.38
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	946	10.46	0	0.00			
5	20-24	Ecig	1826	20.20					
5	20-24	Dual	0	0.00					
5	20-24	Former	481	5.32			2.81	142	29.52
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	1942	19.78					
5	25-29	Dual	0	0.00					
5	25-29	Former	1148	11.70			5.43	115	10.02
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

5	30-34	Never Any	5065	47.50					
5	30-34	CC	1480	13.88	0	0.00			
5	30-34	Ecig	2319	21.75					
5	30-34	Dual	0	0.00					
5	30-34	Former	1800	16.88			6.94	106	5.89
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2275	20.84					
5	35-39	Dual	0	0.00					
5	35-39	Former	2421	22.18			8.20	114	4.71
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1894	19.15					
5	40-44	Dual	0	0.00					
5	40-44	Former	2774	28.05			12.06	130	4.69
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1562	18.05					
5	45-49	Dual	0	0.00					
5	45-49	Former	2945	34.03			14.20	148	5.03
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	1015	15.58					
5	50-54	Dual	0	0.00					
5	50-54	Former	2641	40.54			15.98	175	6.63
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	762	13.91					
5	55-59	Dual	0	0.00					
5	55-59	Former	2364	43.16			17.21	122	5.16
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	572	11.48					
5	60-64	Dual	0	0.00					
5	60-64	Former	2477	49.71			17.27	143	5.77
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	360	7.34					
5	65-69	Dual	0	0.00					
5	65-69	Former	2899	59.10			20.44	196	6.76
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	196	4.47					
5	70-74	Dual	0	0.00					
5	70-74	Former	2730	62.23			22.00	137	5.02
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	135	3.86					
5	75-79	Dual	0	0.00					
5	75-79	Former	2100	60.02			23.02	97	4.62
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	4843	5.15	0	0.00			
10	All Ages	Ecig	20724	22.03					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29348	31.19			16.84	1724	5.87
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	462	5.22	0	0.00			
10	20-24	Ecig	2544	28.76					
10	20-24	Dual	0	0.00					
10	20-24	Former	912	10.31			3.41	258	28.29
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	404	4.47	0	0.00			
10	25-29	Ecig	2359	26.10					
10	25-29	Dual	0	0.00					
10	25-29	Former	936	10.35			4.91	195	20.83
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	481	4.90	0	0.00			
10	30-34	Ecig	2608	26.57					
10	30-34	Dual	0	0.00					
10	30-34	Former	1451	14.78			8.66	118	8.13
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	2980	27.94					
10	35-39	Dual	0	0.00					
10	35-39	Former	2078	19.49			10.61	109	5.25
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	2857	26.17					
10	40-44	Dual	0	0.00					
10	40-44	Former	2768	25.36			11.82	124	4.48
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2312	23.38					
10	45-49	Dual	0	0.00					
10	45-49	Former	3152	31.87			15.25	163	5.17
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	1859	21.48					
10	50-54	Dual	0	0.00					
10	50-54	Former	3411	39.41			16.85	186	5.45
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1194	18.33					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		3039	46.65			18.50	146	4.80
10	60-64	Never Any		1611	29.41					
10	60-64	CC		306	5.59	0	0.00			
10	60-64	Ecig		852	15.56					
10	60-64	Dual		0	0.00					
10	60-64	Former		2708	49.44			19.63	144	5.32
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		244	4.90	0	0.00			
10	65-69	Ecig		603	12.10					
10	65-69	Dual		0	0.00					
10	65-69	Former		2799	56.17			19.95	120	4.29
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		236	4.81	0	0.00			
10	70-74	Ecig		327	6.67					
10	70-74	Dual		0	0.00					
10	70-74	Former		3173	64.69			23.44	94	2.96
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		214	4.88	0	0.00			
10	75-79	Ecig		229	5.22					
10	75-79	Dual		0	0.00					
10	75-79	Former		2921	66.58			25.38	67	2.29
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		1911	2.13	0	0.00			
15	All Ages	Ecig		20003	22.30					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		30342	33.82			18.46	1574	5.19
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		179	2.02	0	0.00			
15	25-29	Ecig		2661	30.08					
15	25-29	Dual		0	0.00					
15	25-29	Former		1371	15.50			6.32	174	12.69
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		153	1.69	0	0.00			
15	30-34	Ecig		2479	27.42					
15	30-34	Dual		0	0.00					
15	30-34	Former		1366	15.11			7.38	171	12.52
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		188	1.92	0	0.00			

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15	35-39	Ecig	2654	27.04					
15	35-39	Dual	0	0.00					
15	35-39	Former	1811	18.45			11.33	147	8.12
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	2948	27.64					
15	40-44	Dual	0	0.00					
15	40-44	Former	2488	23.33			13.32	199	8.00
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	2793	25.59					
15	45-49	Dual	0	0.00					
15	45-49	Former	3183	29.16			14.88	160	5.03
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	2180	22.04					
15	50-54	Dual	0	0.00					
15	50-54	Former	3555	35.95			18.19	154	4.33
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	1781	20.58					
15	55-59	Dual	0	0.00					
15	55-59	Former	3747	43.29			20.09	117	3.12
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	1100	16.88					
15	60-64	Dual	0	0.00					
15	60-64	Former	3353	51.47			21.47	156	4.65
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	705	12.87					
15	65-69	Dual	0	0.00					
15	65-69	Former	3037	55.45			22.19	118	3.89
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	441	8.85					
15	70-74	Dual	0	0.00					
15	70-74	Former	3076	61.73			22.89	112	3.64
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	261	5.32					
15	75-79	Dual	0	0.00					
15	75-79	Former	3355	68.40			27.01	66	1.97
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	738	0.87	0	0.00			
20	All Ages	Ecig	17076	20.14					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	30883	36.42			19.82	1518	4.92
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	71	0.80	0	0.00			
20	30-34	Ecig	2376	26.86					
20	30-34	Dual	0	0.00					
20	30-34	Former	1890	21.37			8.72	230	12.17
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	59	0.65	0	0.00			
20	35-39	Ecig	2154	23.83					
20	35-39	Dual	0	0.00					
20	35-39	Former	1836	20.31			9.77	141	7.68
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2416	24.61					
20	40-44	Dual	0	0.00					
20	40-44	Former	2169	22.10			13.96	143	6.59
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	2619	24.56					
20	45-49	Dual	0	0.00					
20	45-49	Former	2959	27.75			15.74	171	5.78
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2490	22.81					
20	50-54	Dual	0	0.00					
20	50-54	Former	3615	33.12			17.75	174	4.81
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	1859	18.80					
20	55-59	Dual	0	0.00					
20	55-59	Former	4004	40.49			20.81	181	4.52
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1428	16.50					
20	60-64	Dual	0	0.00					
20	60-64	Former	4228	48.85			22.41	241	5.70
Year of Follow-up: 2010, Age Group: 65-69									

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	809	12.42					
20	65-69	Dual	0	0.00					
20	65-69	Former	3727	57.21			24.03	133	3.57
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	574	10.48					
20	70-74	Dual	0	0.00					
20	70-74	Former	3223	58.85			25.75	61	1.89
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	351	7.04					
20	75-79	Dual	0	0.00					
20	75-79	Former	3232	64.86			26.66	43	1.33
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	289	0.36	0	0.00			
25	All Ages	Ecig	14107	17.67					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	30674	38.43			21.87	1088	3.55
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	28	0.32	0	0.00			
25	35-39	Ecig	1990	22.50					
25	35-39	Dual	0	0.00					
25	35-39	Former	2338	26.43			11.53	142	6.07
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	20	0.22	0	0.00			
25	40-44	Ecig	1897	20.98					
25	40-44	Dual	0	0.00					

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25	40-44	Former	2132	23.58			13.01	112	5.25
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5163	52.60					
25	45-49	CC	29	0.30	0	0.00			
25	45-49	Ecig	2195	22.36					
25	45-49	Dual	0	0.00					
25	45-49	Former	2429	24.75			17.18	81	3.33
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4997	46.86					
25	50-54	CC	37	0.35	0	0.00			
25	50-54	Ecig	2387	22.38					
25	50-54	Dual	0	0.00					
25	50-54	Former	3243	30.41			19.10	130	4.01
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4724	43.28					
25	55-59	CC	33	0.30	0	0.00			
25	55-59	Ecig	2103	19.27					
25	55-59	Dual	0	0.00					
25	55-59	Former	4056	37.16			20.50	162	3.99
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	28	0.28	0	0.00			
25	60-64	Ecig	1443	14.59					
25	60-64	Dual	0	0.00					
25	60-64	Former	4477	45.27			23.28	205	4.58
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	43	0.50	0	0.00			
25	65-69	Ecig	1019	11.77					
25	65-69	Dual	0	0.00					
25	65-69	Former	4681	54.08			24.99	134	2.86
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	35	0.54	0	0.00			
25	70-74	Ecig	616	9.46					
25	70-74	Dual	0	0.00					
25	70-74	Former	3945	60.55			27.55	70	1.77
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	36	0.66	0	0.00			
25	75-79	Ecig	457	8.34					
25	75-79	Dual	0	0.00					
25	75-79	Former	3373	61.58			29.48	52	1.54
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	33136	44.57					
30	All Ages	CC	100	0.13	0	0.00			
30	All Ages	Ecig	11358	15.28					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	29746	40.01			23.97	918	3.09
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	12	0.14	0	0.00			
30	40-44	Ecig	1743	19.71					
30	40-44	Dual	0	0.00					
30	40-44	Former	2601	29.41			15.05	107	4.11
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	5	0.06	0	0.00			
30	45-49	Ecig	1690	18.69					
30	45-49	Dual	0	0.00					
30	45-49	Former	2354	26.04			16.54	63	2.68
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	2021	20.59					
30	50-54	Dual	0	0.00					
30	50-54	Former	2623	26.72			20.66	99	3.77
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	2002	18.77					
30	55-59	Dual	0	0.00					
30	55-59	Former	3647	34.20			21.65	157	4.30
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	1614	14.79					
30	60-64	Dual	0	0.00					
30	60-64	Former	4568	41.85			22.87	203	4.44
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	1039	10.51					
30	65-69	Dual	0	0.00					
30	65-69	Former	4896	49.51			26.05	145	2.96
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	770	8.90					
30	70-74	Dual	0	0.00					
30	70-74	Former	4955	57.25			28.45	93	1.88
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	479	7.35					
30	75-79	Dual	0	0.00					
30	75-79	Former	4102	62.96			31.39	51	1.24
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	38	0.06	0	0.00			
35	All Ages	Ecig	8864	13.07					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	27706	40.85			25.87	785	2.83
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	7	0.08	0	0.00			
35	45-49	Ecig	1541	17.42					
35	45-49	Dual	0	0.00					
35	45-49	Former	2808	31.75			18.76	60	2.14
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	3	0.03	0	0.00			
35	50-54	Ecig	1554	17.19					
35	50-54	Dual	0	0.00					
35	50-54	Former	2492	27.57			20.44	75	3.01
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1664	16.95					
35	55-59	Dual	0	0.00					
35	55-59	Former	2989	30.45			22.76	155	5.19
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	1532	14.37					
35	60-64	Dual	0	0.00					
35	60-64	Former	4126	38.69			23.79	186	4.51
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	1169	10.71					
35	65-69	Dual	0	0.00					
35	65-69	Former	5018	45.97			25.57	158	3.15
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	811	8.20					
35	70-74	Dual	0	0.00					
35	70-74	Former	5132	51.90			29.73	79	1.54
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	593	6.85					
35	75-79	Dual	0	0.00					
35	75-79	Former	5141	59.40			32.31	72	1.40
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	15	0.03	0	0.00			
40	All Ages	Ecig	6535	11.04					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	24315	41.09			27.43	691	2.84
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4489	50.75					
40	50-54	CC		3	0.03	0	0.00			
40	50-54	Ecig		1392	15.74					
40	50-54	Dual		0	0.00					
40	50-54	Former		2961	33.48			22.61	80	2.70
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		4991	55.21					
40	55-59	CC		2	0.02	0	0.00			
40	55-59	Ecig		1291	14.28					
40	55-59	Dual		0	0.00					
40	55-59	Former		2756	30.49			23.19	114	4.14
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5163	52.60					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		1238	12.61					
40	60-64	Dual		0	0.00					
40	60-64	Former		3415	34.79			24.53	183	5.36
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		4997	46.86					
40	65-69	CC		4	0.04	0	0.00			
40	65-69	Ecig		1119	10.49					
40	65-69	Dual		0	0.00					
40	65-69	Former		4544	42.61			26.35	136	2.99
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		4724	43.28					
40	70-74	CC		3	0.03	0	0.00			
40	70-74	Ecig		880	8.06					
40	70-74	Dual		0	0.00					
40	70-74	Former		5309	48.64			29.01	95	1.79
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		3941	39.85					
40	75-79	CC		3	0.03	0	0.00			

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

40	75-79	Ecig	615	6.22					
40	75-79	Dual	0	0.00					
40	75-79	Former	5330	53.90			33.51	83	1.56
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	6	0.01	0	0.00			
45	All Ages	Ecig	4578	9.29					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	20333	41.26			28.82	538	2.65
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

45	55-59	Never Any	4489	50.75					
45	55-59	CC	2	0.02	0	0.00			
45	55-59	Ecig	1171	13.24					
45	55-59	Dual	0	0.00					
45	55-59	Former	3183	35.99			25.82	100	3.14
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	1020	11.28					
45	60-64	Dual	0	0.00					
45	60-64	Former	3029	33.51			25.81	129	4.26
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	902	9.19					
45	65-69	Dual	0	0.00					
45	65-69	Former	3751	38.21			27.09	106	2.83
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	850	7.97					
45	70-74	Dual	0	0.00					
45	70-74	Former	4816	45.16			29.70	104	2.16
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	635	5.82					
45	75-79	Dual	0	0.00					
45	75-79	Former	5554	50.88			32.60	99	1.78
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	2868	7.48					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	15856	41.33			30.34	408	2.57
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	865	9.78					
50	60-64	Dual	0	0.00					
50	60-64	Former	3491	39.47			28.27	129	3.70
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	705	7.80					
50	65-69	Dual	0	0.00					
50	65-69	Former	3344	36.99			28.11	120	3.59
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	665	6.77					
50	70-74	Dual	0	0.00					
50	70-74	Former	3988	40.63			30.31	80	2.01
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	633	5.94					
50	75-79	Dual	0	0.00					
50	75-79	Former	5033	47.20			33.29	79	1.57

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	3692121.713	817268.9	6.216	18.124	3806.31	1305.37	1068.79	236.582

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123730.577	268.866	0.086	0.217	4883.81	1933.45	1929.26	4.192
1992	308577	122014.015	121308.909	705.107	0.229	0.578	4729.73	1870.18	1859.37	10.808
1993	311713	122810.618	121500.897	1309.721	0.420	1.066	4692.62	1848.83	1829.11	19.717
1994	305700	119925.592	117938.639	1986.953	0.650	1.657	4516.19	1771.69	1742.34	29.354
1995	303225	117896.496	115123.838	2772.658	0.914	2.352	4393.80	1708.35	1668.17	40.176
1996	299559	115698.645	112070.850	3627.795	1.211	3.136	4273.16	1650.42	1598.67	51.750
1997	294226	113359.847	108883.214	4476.632	1.521	3.949	4128.67	1590.70	1527.88	62.818
1998	289258	111444.212	106111.638	5332.574	1.844	4.785	3992.19	1538.10	1464.50	73.598
1999	311002	114877.722	107802.858	7074.864	2.275	6.159	4224.60	1560.48	1464.38	96.104
2000	303786	112379.704	104387.314	7992.390	2.631	7.112	4066.21	1504.22	1397.24	106.979
2001	296294	110024.943	101015.392	9009.551	3.041	8.189	3914.28	1453.52	1334.50	119.023
2002	291898	108289.173	98169.699	10119.47	3.467	9.345	3813.00	1414.56	1282.37	132.188
2003	285865	106539.023	95456.769	11082.25	3.877	10.402	3695.36	1377.22	1233.96	143.259
2004	274177	103037.251	91223.556	11813.69	4.309	11.465	3506.10	1317.61	1166.54	151.070
2005	272379	103044.562	90200.271	12844.29	4.716	12.465	3442.69	1302.41	1140.07	162.343
2006	264118	99672.555	85966.619	13705.94	5.189	13.751	3307.76	1248.28	1076.63	171.650
2007	258419	97839.152	83410.595	14428.56	5.583	14.747	3203.20	1212.75	1033.90	178.847
2008	259461	98075.852	82747.547	15328.31	5.908	15.629	3180.09	1202.07	1014.20	187.872
2009	253907	95617.338	79671.919	15945.42	6.280	16.676	3075.31	1158.11	964.983	193.130
2010	251878	94607.988	77981.406	16626.58	6.601	17.574	3013.72	1131.98	933.047	198.937
2011	251779	93633.119	76140.482	17492.64	6.948	18.682	2982.76	1109.25	902.018	207.231
2012	252643	92775.175	74430.140	18345.03	7.261	19.774	2960.61	1087.19	872.212	214.977
2013	256175	92345.780	73121.645	19224.14	7.504	20.818	2967.76	1069.82	847.106	222.710
2014	257393	91379.215	71430.861	19948.35	7.750	21.830	2947.05	1046.26	817.856	228.401
2015	259782	90750.242	70193.402	20556.84	7.913	22.652	3346.10	1168.90	904.121	264.781
2016	261453	88811.996	67646.515	21165.48	8.095	23.832	3336.15	1133.24	863.172	270.072
2017	263685	87325.126	65532.963	21792.16	8.264	24.955	3333.85	1104.08	828.554	275.525
2018	258714	87612.144	65450.748	22161.40	8.566	25.295	3240.73	1097.46	819.856	277.600
2019	261438	87797.760	64926.578	22871.18	8.748	26.050	3242.99	1089.08	805.378	283.704
2020	262288	87221.042	63972.925	23248.12	8.864	26.654	3715.29	1235.48	906.171	329.308
2021	255079	82001.292	58982.820	23018.47	9.024	28.071	3587.82	1153.39	829.623	323.766
2022	257097	81915.977	58207.001	23708.98	9.222	28.943	3588.53	1143.37	812.447	330.927
2023	259080	81810.810	57481.824	24328.99	9.391	29.738	3586.88	1132.64	795.818	336.827
2024	260719	81528.303	56712.019	24816.28	9.518	30.439	3579.65	1119.38	778.652	340.726
2025	257308	79599.213	55066.570	24532.64	9.534	30.820	4112.08	1272.09	880.027	392.060
2026	251528	75082.462	50936.261	24146.20	9.600	32.160	4003.24	1194.99	810.685	384.303
2027	250988	74444.425	49915.584	24528.84	9.773	32.949	3976.53	1179.46	790.838	388.623
2028	250285	73699.585	48813.675	24885.91	9.943	33.767	3945.35	1161.76	769.472	392.288
2029	249525	72819.703	47675.401	25144.30	10.077	34.530	3910.99	1141.36	747.252	394.105
2030	240528	69309.277	45228.072	24081.21	10.012	34.745	4504.36	1297.95	846.983	450.967
2031	235442	65433.368	41925.116	23508.25	9.985	35.927	4397.65	1222.18	783.088	439.093
2032	234017	64643.552	40856.714	23786.84	10.165	36.797	4356.12	1203.31	760.528	442.781
2033	232559	63793.514	39927.416	23866.10	10.262	37.411	4310.93	1182.54	740.132	442.404
2034	230963	63032.151	39010.729	24021.42	10.401	38.110	4260.75	1162.80	719.659	443.141
2035	215822	57653.301	35832.722	21820.58	10.110	37.848	4924.38	1315.47	817.592	497.878
2036	208183	52988.733	32031.376	20957.36	10.067	39.551	4748.94	1208.75	730.680	478.066
2037	205491	52026.921	31024.288	21002.63	10.221	40.369	4682.40	1185.50	706.930	478.573
2038	202834	50943.211	30005.859	20937.35	10.322	41.099	4612.18	1158.38	682.295	476.088
2039	200251	50085.991	29166.437	20919.55	10.447	41.767	4538.65	1135.19	661.053	474.138

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	3065988	2244988.113	2002713.165	242274.9	7.902	10.792	887.537	649.875	579.742	70.133

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	0.000	
1991	78462	62918.402	62887.194	31.208	0.040	0.050	1223.41	981.049	980.563	0.487
1992	77987	62366.766	62285.514	81.252	0.104	0.130	1195.35	955.930	954.684	1.245
1993	78542	62652.888	62494.447	158.440	0.202	0.253	1182.39	943.195	940.809	2.385
1994	77437	61565.227	61319.172	246.054	0.318	0.400	1144.00	909.520	905.885	3.635
1995	76904	60851.961	60496.037	355.924	0.463	0.585	1114.36	881.759	876.601	5.157
1996	76232	60122.922	59629.916	493.006	0.647	0.820	1087.44	857.643	850.610	7.033
1997	75473	59237.155	58600.818	636.337	0.843	1.074	1059.06	831.234	822.305	8.929
1998	75381	58906.696	58088.409	818.287	1.086	1.389	1040.37	813.001	801.707	11.294
1999	73159	56930.073	55942.669	987.404	1.350	1.734	993.781	773.329	759.917	13.413
2000	73784	57137.121	55937.740	1199.381	1.626	2.099	987.608	764.787	748.734	16.054
2001	73294	56481.726	55035.979	1445.747	1.973	2.560	968.273	746.169	727.070	19.099
2002	72442	55588.365	53896.774	1691.592	2.335	3.043	946.293	726.138	704.041	22.097
2003	71942	54945.856	52988.486	1957.370	2.721	3.562	929.989	710.281	684.978	25.303
2004	71301	54203.126	51944.757	2258.368	3.167	4.166	911.778	693.135	664.256	28.879
2005	70964	53744.603	51195.381	2549.222	3.592	4.743	896.937	679.296	647.075	32.220
2006	69658	52535.572	49682.260	2853.312	4.096	5.431	872.383	657.945	622.211	35.734
2007	68565	51492.124	48348.050	3144.074	4.586	6.106	849.888	638.264	599.292	38.972
2008	68226	51030.736	47547.164	3483.571	5.106	6.826	836.215	625.460	582.764	42.697
2009	67509	50276.199	46451.450	3824.749	5.666	7.607	817.667	608.943	562.618	46.325
2010	67196	49840.933	45682.776	4158.157	6.188	8.343	804.000	596.347	546.594	49.752
2011	66506	49072.841	44550.465	4522.376	6.800	9.216	787.880	581.354	527.779	53.575
2012	66155	48539.512	43629.568	4909.944	7.422	10.115	775.240	568.812	511.275	57.537
2013	65333	47675.741	42433.098	5242.643	8.024	10.996	756.876	552.318	491.583	60.735
2014	65033	47194.534	41601.098	5593.436	8.601	11.852	744.602	540.359	476.316	64.043
2015	64145	46305.842	40435.374	5870.468	9.152	12.678	726.215	526.439	460.825	67.614
2016	61618	44208.867	38219.951	5988.916	9.719	13.547	706.248	514.107	451.688	62.410
2017	59897	42702.624	36521.861	6180.763	10.319	14.474	687.297	503.903	442.757	60.145
2018	62468	44321.202	37447.158	6874.044	11.004	15.510	668.490	493.181	433.074	60.106
2019	63045	44493.088	37172.187	7320.901	11.612	16.454	650.035	483.912	424.100	58.812
2020	63466	44529.551	36790.751	7738.800	12.194	17.379	632.991	474.757	415.138	57.859
2021	57113	39852.556	32538.159	7314.397	12.807	18.354	615.323	465.546	406.665	56.865
2022	57440	39853.685	32122.244	7731.441	13.460	19.400	601.745	456.274	400.359	55.915
2023	57738	39847.050	31723.071	8123.979	14.070	20.388	593.366	447.670	399.196	55.474
2024	57942	39726.010	31268.335	8457.675	14.597	21.290	585.539	438.435	392.312	54.912
2025	57521	39207.348	30543.210	8664.138	15.062	22.098	577.257	429.579	389.116	54.463
2026	51428	34803.960	26784.585	8019.375	15.593	23.042	569.510	420.929	386.295	53.634
2027	51172	34484.595	26194.146	8290.449	16.201	24.041	561.740	412.357	379.007	52.850
2028	50870	34100.638	25575.923	8524.715	16.758	24.999	553.884	403.544	376.165	52.139
2029	50540	33669.838	24935.429	8734.409	17.282	25.941	546.146	394.732	373.831	51.491
2030	49109	32557.688	23872.656	8685.032	17.685	26.676	538.662	386.705	371.061	50.844
2031	43585	28646.393	20793.271	7853.122	18.018	27.414	531.096	378.065	368.382	49.683
2032	43163	28227.160	20218.625	8008.535	18.554	28.372	523.454	369.435	365.360	48.975
2033	42725	27786.623	19713.232	8073.390	18.896	29.055	515.996	360.079	362.423	48.266
2034	42256	27348.299	19192.356	8155.943	19.301	29.822	508.523	350.514	359.055	47.469
2035	39748	25570.077	17850.716	7719.361	19.421	30.189	500.933	341.430	356.298	46.712
2036	34030	21717.319	14926.996	6790.323	19.954	31.267	493.269	332.505	347.505	45.997
2037	33454	21256.024	14412.915	6843.109	20.455	32.194	485.289	323.347	338.417	45.229
2038	32883	20747.175	13912.997	6834.178	20.783	32.940	477.720	314.764	329.364	44.400
2039	32325	20327.688	13492.060	6835.627	21.146	33.627	470.644	306.724	320.795	43.633

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	6360041	1098877.421	760965.061	337912.4	5.313	30.751	1841.09	318.101	220.283	97.818

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	37112.529	197.309	0.117	0.529	2620.21	581.750	578.674	3.077
1992	164548	36137.488	35616.322	521.166	0.317	1.442	2522.12	553.899	545.911	7.988
1993	164362	35599.588	34646.209	953.379	0.580	2.678	2474.35	535.926	521.574	14.352
1994	159866	34336.757	32900.110	1436.647	0.899	4.184	2361.75	507.267	486.043	21.224
1995	158083	33455.759	31471.215	1984.544	1.255	5.932	2290.66	484.782	456.025	28.756
1996	154875	32193.824	29636.547	2557.277	1.651	7.943	2209.26	459.239	422.760	36.479
1997	149970	30665.509	27561.126	3104.383	2.070	10.123	2104.43	430.308	386.746	43.562
1998	145407	29188.430	25577.819	3610.611	2.483	12.370	2006.83	402.844	353.012	49.832
1999	165952	33375.386	28385.999	4989.386	3.007	14.949	2254.27	453.366	385.591	67.775
2000	160260	32024.754	26486.651	5538.103	3.456	17.293	2145.10	428.655	354.527	74.128
2001	154444	30682.393	24558.805	6123.588	3.965	19.958	2040.33	405.339	324.442	80.898
2002	151887	30218.370	23417.213	6801.157	4.478	22.507	1984.06	394.736	305.894	88.842
2003	146733	29175.202	21885.941	7289.261	4.968	24.984	1896.81	377.146	282.918	94.228
2004	138381	27488.687	19935.129	7553.559	5.459	27.479	1769.58	351.518	254.925	96.593
2005	135881	27017.439	18986.715	8030.724	5.910	29.724	1717.44	341.482	239.979	101.503
2006	131922	26231.435	17801.060	8430.375	6.390	32.138	1652.16	328.517	222.937	105.580
2007	126502	25103.049	16497.301	8605.749	6.803	34.282	1568.04	311.161	204.490	106.671
2008	125859	24621.740	15741.758	8879.982	7.056	36.066	1542.60	301.777	192.939	108.838
2009	122428	23741.177	14759.830	8981.347	7.336	37.830	1482.84	287.552	178.771	108.782
2010	120537	23189.160	14060.510	9128.650	7.573	39.366	1442.22	277.458	168.234	109.224
2011	120221	22786.927	13439.007	9347.920	7.776	41.023	1424.23	269.951	159.209	110.743
2012	120927	22485.295	12923.671	9561.624	7.907	42.524	1417.09	263.495	151.447	112.048
2013	122648	22251.884	12491.789	9760.095	7.958	43.862	1420.86	257.786	144.716	113.070
2014	123229	21894.593	12015.922	9878.672	8.017	45.119	1410.92	250.685	137.578	113.107
2015	123774	21471.109	11563.169	9907.940	8.005	46.145	1594.26	276.557	148.939	127.618
2016	126218	21411.568	11310.527	10101.04	8.003	47.176	1610.55	273.213	144.323	128.890
2017	128265	21169.399	10961.897	10207.50	7.958	48.218	1621.69	267.651	138.955	129.057
2018	121429	19830.576	10090.355	9740.222	8.021	49.117	1521.05	248.404	126.395	122.009
2019	121832	19431.014	9749.286	9681.729	7.947	49.826	1511.26	241.031	120.934	120.096
2020	120811	18532.612	9166.962	9365.650	7.752	50.536	1711.27	262.513	129.849	132.664
2021	119407	18234.128	8881.545	9352.582	7.833	51.292	1679.51	256.472	124.923	131.549
2022	119438	17812.559	8539.299	9273.260	7.764	52.060	1667.10	248.626	119.191	129.435
2023	119445	17361.668	8209.130	9152.538	7.663	52.717	1653.68	240.367	113.653	126.714
2024	119305	16929.676	7918.262	9011.414	7.553	53.229	1638.05	232.443	108.717	123.726
2025	115685	15501.666	7170.064	8331.602	7.202	53.746	1848.78	247.735	114.586	133.149
2026	115073	15523.814	7136.085	8387.729	7.289	54.031	1831.46	247.072	113.576	133.496
2027	113989	15073.070	6874.301	8198.769	7.193	54.393	1805.98	238.810	108.913	129.897
2028	112855	14636.710	6602.188	8034.522	7.119	54.893	1778.98	230.725	104.073	126.652
2029	111718	14180.166	6353.864	7826.302	7.005	55.192	1751.04	222.256	99.589	122.667
2030	104851	12111.772	5376.550	6735.222	6.424	55.609	1963.54	226.816	100.686	126.130
2031	105289	12417.367	5502.150	6915.217	6.568	55.690	1966.62	231.935	102.771	129.164
2032	103879	12054.064	5281.733	6772.332	6.519	56.183	1933.67	224.381	98.317	126.064
2033	102485	11672.389	5058.525	6613.864	6.453	56.662	1899.76	216.370	93.770	122.601
2034	101070	11365.762	4905.408	6460.354	6.392	56.840	1864.51	209.673	90.494	119.179
2035	90820	8580.360	3655.601	4924.759	5.423	57.396	2072.23	195.777	83.410	112.368
2036	92117	8948.841	3786.827	5162.013	5.604	57.684	2101.31	204.135	86.383	117.753
2037	90327	8624.570	3646.441	4978.129	5.511	57.720	2058.21	196.522	83.089	113.433
2038	88590	8315.017	3472.434	4842.582	5.466	58.239	2014.42	189.073	78.959	110.114
2039	86921	8001.132	3331.555	4669.577	5.372	58.361	1970.05	181.344	75.509	105.835

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1489699	149918.462	101962.098	47956.36	3.219	31.988	431.236	43.398	29.516	13.882

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4529.884	25.682	0.079	0.564	508.609	71.032	70.632	0.400
1992	32100	4453.572	4387.821	65.752	0.205	1.476	492.014	68.262	67.255	1.008
1993	32896	4462.473	4339.168	123.305	0.375	2.763	495.226	67.179	65.323	1.856
1994	33323	4499.513	4307.041	192.473	0.578	4.278	492.290	66.473	63.629	2.843
1995	33569	4472.774	4201.557	271.217	0.808	6.064	486.422	64.812	60.882	3.930
1996	33870	4406.878	4048.913	357.965	1.057	8.123	483.150	62.863	57.757	5.106
1997	33516	4288.158	3842.071	446.087	1.331	10.403	470.307	60.173	53.913	6.260
1998	32795	4120.148	3594.339	525.809	1.603	12.762	452.620	56.864	49.607	7.257
1999	33375	3982.443	3376.645	605.797	1.815	15.212	453.361	54.097	45.868	8.229
2000	33459	4021.411	3315.232	706.179	2.111	17.560	447.853	53.827	44.375	9.452
2001	32275	3848.092	3073.636	774.456	2.400	20.126	426.379	50.836	40.605	10.231
2002	31586	3783.081	2930.452	852.629	2.699	22.538	412.601	49.418	38.280	11.138
2003	30985	3754.415	2817.327	937.088	3.024	24.960	400.541	48.533	36.419	12.114
2004	29884	3666.274	2663.120	1003.154	3.357	27.362	382.149	46.883	34.055	12.828
2005	28708	3589.688	2524.071	1065.617	3.712	29.685	362.850	45.371	31.903	13.469
2006	28188	3596.985	2445.278	1151.707	4.086	32.019	353.021	45.048	30.624	14.424
2007	28026	3560.798	2344.412	1216.385	4.340	34.160	347.392	44.137	29.060	15.078
2008	27128	3417.001	2183.430	1233.571	4.547	36.101	332.495	41.881	26.761	15.119
2009	27068	3394.390	2108.499	1285.891	4.751	37.883	327.847	41.113	25.538	15.575
2010	26911	3340.137	2023.051	1317.086	4.894	39.432	321.990	39.965	24.206	15.759
2011	26959	3285.435	1939.351	1346.084	4.993	40.971	319.377	38.922	22.975	15.947
2012	27057	3259.209	1871.276	1387.934	5.130	42.585	317.068	38.193	21.929	16.265
2013	27904	3274.703	1832.091	1442.612	5.170	44.053	323.265	37.937	21.225	16.713
2014	28792	3298.083	1799.531	1498.552	5.205	45.437	329.657	37.762	20.604	17.158
2015	29560	3244.406	1733.182	1511.224	5.112	46.579	380.745	41.789	22.324	19.465
2016	30513	3314.836	1738.419	1576.417	5.166	47.556	389.347	42.297	22.182	20.115
2017	31416	3333.314	1710.930	1622.384	5.164	48.672	397.202	42.144	21.632	20.512
2018	29348	2925.242	1474.302	1450.940	4.944	49.601	367.626	36.642	18.468	18.175
2019	29598	2864.628	1422.295	1442.333	4.873	50.350	367.149	35.534	17.643	17.891
2020	29592	2730.366	1337.306	1393.061	4.707	51.021	419.174	38.675	18.943	19.733
2021	30097	2647.911	1275.298	1372.613	4.561	51.838	423.328	37.244	17.938	19.306
2022	30304	2586.165	1224.588	1361.576	4.493	52.648	422.974	36.097	17.093	19.005
2023	30505	2517.960	1176.880	1341.080	4.396	53.261	422.337	34.860	16.294	18.567
2024	30661	2454.161	1133.658	1320.502	4.307	53.807	420.968	33.695	15.565	18.130
2025	30254	2275.364	1038.562	1236.803	4.088	54.356	483.488	36.363	16.597	19.766
2026	30685	2183.166	988.769	1194.397	3.892	54.709	488.380	34.747	15.737	19.010
2027	30561	2112.345	949.695	1162.650	3.804	55.041	484.196	33.467	15.046	18.420
2028	30412	2046.677	912.520	1134.156	3.729	55.415	479.392	32.263	14.384	17.878
2029	30254	1977.671	876.128	1101.543	3.641	55.699	474.195	30.997	13.732	17.265
2030	29330	1744.457	766.828	977.629	3.333	56.042	549.260	32.668	14.360	18.308
2031	28976	1653.738	721.678	932.059	3.217	56.361	541.223	30.889	13.480	17.409
2032	28724	1603.120	689.317	913.803	3.181	57.002	534.690	29.841	12.831	17.010
2033	28464	1548.245	661.256	886.988	3.116	57.290	527.627	28.700	12.258	16.442
2034	28178	1511.985	639.995	871.990	3.095	57.672	519.826	27.893	11.806	16.086
2035	26737	1239.866	522.330	717.536	2.684	57.872	610.065	28.290	11.918	16.372
2036	25591	1182.522	493.513	689.009	2.692	58.266	583.762	26.975	11.258	15.717
2037	25143	1134.483	476.451	658.032	2.617	58.003	572.916	25.851	10.857	14.994
2038	24693	1093.537	453.601	639.935	2.592	58.520	561.491	24.866	10.314	14.551
2039	24247	1047.905	433.232	614.673	2.535	58.657	549.553	23.751	9.819	13.931

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	2233143	1015606.587	826481.389	189125.2	8.469	18.622	646.447	293.996	239.248	54.748

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19200.970	14.666	0.043	0.076	531.576	299.618	299.389	0.229
1992	33942	19056.189	19019.252	36.937	0.109	0.194	520.248	292.085	291.519	0.566
1993	35913	20095.670	20021.073	74.597	0.208	0.371	540.645	302.526	301.403	1.123
1994	35074	19524.095	19412.316	111.778	0.319	0.573	518.158	288.435	286.784	1.651
1995	34669	19116.002	18955.029	160.973	0.464	0.842	502.362	276.995	274.663	2.333
1996	34582	18975.021	18755.475	219.547	0.635	1.157	493.306	270.675	267.544	3.132
1997	35267	19169.025	18879.200	289.825	0.822	1.512	494.878	268.986	264.919	4.067
1998	35675	19228.937	18851.070	377.867	1.059	1.965	492.368	265.388	260.173	5.215
1999	38516	20589.820	20097.544	492.276	1.278	2.391	523.195	279.689	273.002	6.687
2000	36283	19196.417	18647.691	548.726	1.512	2.858	485.652	256.946	249.602	7.345
2001	36281	19012.731	18346.971	665.760	1.835	3.502	479.301	251.174	242.378	8.795
2002	35983	18699.357	17925.261	774.097	2.151	4.140	470.038	244.265	234.154	10.112
2003	36205	18663.550	17765.014	898.535	2.482	4.814	468.019	241.262	229.647	11.615
2004	34611	17679.164	16680.550	998.614	2.885	5.649	442.596	226.076	213.306	12.770
2005	36826	18692.832	17494.104	1198.728	3.255	6.413	465.456	236.265	221.114	15.151
2006	34350	17308.564	16038.021	1270.543	3.699	7.341	430.192	216.769	200.857	15.912
2007	35326	17683.181	16220.833	1462.348	4.140	8.270	437.879	219.189	201.063	18.126
2008	38248	19006.374	17275.194	1731.180	4.526	9.108	468.788	232.952	211.734	21.218
2009	36902	18205.573	16352.140	1853.432	5.023	10.181	446.956	220.505	198.057	22.449
2010	37234	18237.758	16215.069	2022.690	5.432	11.091	445.505	218.215	194.013	24.201
2011	38093	18487.916	16211.660	2276.256	5.976	12.312	451.279	219.022	192.056	26.966
2012	38504	18491.158	16005.626	2485.533	6.455	13.442	451.211	216.689	187.563	29.127
2013	40290	19143.452	16364.666	2778.786	6.897	14.516	466.755	221.775	189.583	32.192
2014	40339	18992.005	16014.309	2977.695	7.382	15.679	461.866	217.451	183.358	34.093
2015	42303	19728.885	16461.676	3267.208	7.723	16.561	544.880	254.116	212.033	42.083
2016	43104	19876.724	16377.618	3499.106	8.118	17.604	550.009	253.628	208.979	44.649
2017	44107	20119.790	16338.276	3781.515	8.574	18.795	557.659	254.381	206.570	47.811
2018	45469	20535.123	16438.933	4096.190	9.009	19.947	569.564	257.229	205.919	51.310
2019	46963	21009.029	16582.809	4426.220	9.425	21.068	582.552	260.605	205.700	54.905
2020	48419	21428.512	16677.906	4750.606	9.811	22.170	685.853	303.533	236.241	67.292
2021	48463	21266.697	16287.818	4978.879	10.274	23.412	681.652	299.127	229.096	70.030
2022	49915	21663.568	16320.870	5342.698	10.704	24.662	696.712	302.378	227.805	74.573
2023	51391	22084.131	16372.742	5711.389	11.114	25.862	711.491	305.748	226.675	79.072
2024	52811	22418.456	16391.763	6026.692	11.412	26.883	725.093	307.804	225.058	82.746
2025	53848	22614.834	16314.735	6300.099	11.700	27.858	860.553	361.411	260.728	100.683
2026	54342	22571.522	16026.821	6544.701	12.044	28.995	864.886	359.241	255.078	104.163
2027	55267	22774.416	15897.442	6876.974	12.443	30.196	875.619	360.827	251.871	108.955
2028	56149	22915.561	15723.044	7192.517	12.810	31.387	885.102	361.228	247.849	113.379
2029	57014	22992.027	15509.981	7482.047	13.123	32.542	893.616	360.371	243.099	117.272
2030	57238	22895.360	15212.038	7683.321	13.423	33.558	1071.90	428.760	284.875	143.885
2031	57592	22715.871	14908.017	7807.854	13.557	34.372	1075.71	424.293	278.456	145.837
2032	58251	22759.207	14667.039	8092.168	13.892	35.556	1084.31	423.652	273.020	150.632
2033	58885	22786.258	14494.402	8291.855	14.082	36.390	1091.54	422.387	268.682	153.706
2034	59460	22806.106	14272.971	8533.135	14.351	37.416	1096.89	420.721	263.304	157.417
2035	58516	22262.998	13804.076	8458.922	14.456	37.995	1335.15	507.973	314.966	193.007
2036	56446	21140.051	12824.039	8316.012	14.733	39.338	1287.60	482.234	292.534	189.700
2037	56568	21011.845	12488.481	8523.363	15.067	40.565	1288.98	478.783	284.567	194.216
2038	56668	20787.483	12166.827	8620.656	15.213	41.470	1288.55	472.681	276.658	196.023
2039	56758	20709.267	11909.589	8799.678	15.504	42.491	1286.40	469.372	269.929	199.443

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig			%Drop	NULL	Ecig			
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13228515	4509390.583	3708665.052	800725.5	6.053	17.757	3811.74	1305.37	1068.63	236.736

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig			%Drop	NULL	Ecig			
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123730.577	268.866	0.086	0.217	4883.81	1933.45	1929.26	4.192
1992	308579	122014.015	121309.643	704.372	0.228	0.577	4729.74	1870.18	1859.37	10.804
1993	311719	122810.618	121503.461	1307.157	0.419	1.064	4692.64	1848.83	1829.12	19.706
1994	305715	119925.592	117944.483	1981.108	0.648	1.652	4516.25	1771.69	1742.37	29.329
1995	303252	117896.496	115134.347	2762.149	0.911	2.343	4393.90	1708.35	1668.21	40.133
1996	299602	115698.645	112087.607	3611.038	1.205	3.121	4273.32	1650.42	1598.74	51.681
1997	294290	113359.847	108907.872	4451.975	1.513	3.927	4128.91	1590.70	1527.99	62.716
1998	289348	111444.212	106145.812	5298.400	1.831	4.754	3992.53	1538.10	1464.64	73.456
1999	311134	114877.722	107850.303	7027.419	2.259	6.117	4225.12	1560.48	1464.58	95.902
2000	303960	112379.704	104449.162	7930.543	2.609	7.057	4066.90	1504.22	1397.50	106.714
2001	296512	110024.943	101092.295	8932.648	3.013	8.119	3915.15	1453.52	1334.82	118.696
2002	292169	108289.173	98263.533	10025.64	3.431	9.258	3814.08	1414.56	1282.77	131.787
2003	286190	106539.023	95568.612	10970.41	3.833	10.297	3696.66	1377.22	1234.44	142.782
2004	274553	103037.251	91352.096	11685.16	4.256	11.341	3507.62	1317.61	1167.09	150.523
2005	272822	103044.562	90350.413	12694.15	4.653	12.319	3444.48	1302.41	1140.71	161.705
2006	264620	99672.555	86133.388	13539.17	5.116	13.584	3309.80	1248.28	1077.34	170.942
2007	258987	97839.152	83597.266	14241.89	5.499	14.556	3205.52	1212.75	1034.70	178.055
2008	260113	98075.852	82958.810	15117.04	5.812	15.414	3182.77	1202.07	1015.09	186.977
2009	254630	95617.338	79902.230	15715.11	6.172	16.435	3078.29	1158.11	965.958	192.155
2010	252683	94607.988	78234.173	16373.82	6.480	17.307	3017.03	1131.98	934.116	197.868
2011	252675	93633.119	76415.111	17218.01	6.814	18.389	2986.47	1109.25	903.183	206.066
2012	253639	92775.175	74726.962	18048.21	7.116	19.454	2964.75	1087.19	873.473	213.716
2013	257289	92345.780	73442.945	18902.84	7.347	20.470	2972.42	1069.82	848.476	221.340
2014	258622	91379.215	71775.338	19603.88	7.580	21.453	2952.21	1046.26	819.329	226.928
2015	261141	90750.242	70563.584	20186.66	7.730	22.244	3351.28	1168.90	905.556	263.346
2016	262939	88811.996	68033.947	20778.05	7.902	23.396	3341.84	1133.24	864.684	268.561
2017	265309	87325.126	65939.171	21385.95	8.061	24.490	3340.14	1104.08	830.151	273.928
2018	260426	87612.144	65887.088	21725.06	8.342	24.797	3247.37	1097.46	821.574	275.882
2019	263298	87797.760	65391.570	22406.19	8.510	25.520	3250.26	1089.08	807.223	281.859
2020	264302	87221.042	64466.774	22754.27	8.609	26.088	3722.07	1235.48	907.861	327.618
2021	257165	82001.292	59467.679	22533.61	8.762	27.480	3594.89	1153.39	831.293	322.096
2022	259332	81915.977	58715.525	23200.45	8.946	28.322	3596.22	1143.37	814.223	329.152
2023	261470	81810.810	58014.569	23796.24	9.101	29.087	3595.22	1132.64	797.702	334.943
2024	263268	81528.303	57268.542	24259.76	9.215	29.756	3588.69	1119.38	780.646	338.732
2025	260006	79599.213	55644.855	23954.36	9.213	30.094	4119.93	1272.09	881.720	390.367
2026	254297	75082.462	51499.119	23583.34	9.274	31.410	4011.35	1194.99	812.360	382.629
2027	253895	74444.425	50495.550	23948.88	9.433	32.170	3985.29	1179.46	792.609	386.852
2028	253329	73699.585	49409.711	24289.87	9.588	32.958	3954.77	1161.76	771.346	390.413
2029	252708	72819.703	48285.391	24534.31	9.709	33.692	3921.11	1141.36	749.213	392.143
2030	243814	69309.277	45847.185	23462.09	9.623	33.851	4512.73	1297.95	848.580	449.369
2031	238780	65433.368	42519.934	22913.43	9.596	35.018	4406.08	1222.18	784.599	437.582
2032	237476	64643.552	41460.504	23183.05	9.762	35.863	4365.18	1203.31	762.109	441.199
2033	236138	63793.514	40542.528	23250.99	9.846	36.447	4320.63	1182.54	741.810	440.726
2034	234659	63032.151	39635.655	23396.50	9.970	37.118	4271.11	1162.80	721.421	441.379
2035	219519	57653.301	36449.511	21203.79	9.659	36.778	4932.99	1315.47	819.087	496.384
2036	211829	52988.733	32593.375	20395.36	9.628	38.490	4756.77	1208.75	731.907	476.839
2037	209209	52026.921	31586.741	20440.18	9.770	39.288	4690.68	1185.50	708.207	477.296
2038	206622	50943.211	30567.764	20375.45	9.861	39.996	4620.95	1158.38	683.626	474.757
2039	204106	50085.991	29729.279	20356.71	9.974	40.644	4547.88	1135.19	662.427	472.764

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop				
Year	Number	Attrib	Attrib	Death	Attrib	Attrib				
	Deaths	Deaths	Deaths	Rate	Rates	Rates				
All Comb	3082667	2244988.113	2011642.868	233345.2	7.570	10.394	888.256	649.875	579.646	70.230

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Death	Attrib	Attrib
	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000
1991	78462	62918.402	62887.194	31.208	0.040	0.050
1992	77987	62366.766	62285.896	80.870	0.104	0.130
1993	78544	62652.888	62495.777	157.111	0.200	0.251
1994	77441	61565.227	61322.238	242.989	0.314	0.395
1995	76911	60851.961	60501.604	350.357	0.456	0.576
1996	76243	60122.922	59638.904	484.018	0.635	0.805
1997	75490	59237.155	58614.197	622.958	0.825	1.052
1998	75405	58906.696	58107.281	799.415	1.060	1.357
1999	73191	56930.073	55967.547	962.526	1.315	1.691
2000	73828	57137.121	55971.193	1165.928	1.579	2.041
2001	73350	56481.726	55078.321	1403.405	1.913	2.485
2002	72512	55588.365	53948.937	1639.429	2.261	2.949
2003	72027	54945.856	53051.330	1894.527	2.630	3.448
2004	71402	54203.126	52018.937	2184.189	3.059	4.030
2005	71083	53744.603	51281.849	2462.755	3.465	4.582
2006	69795	52535.572	49780.209	2755.363	3.948	5.245
2007	68721	51492.124	48458.108	3034.015	4.415	5.892
2008	68403	51030.736	47670.628	3360.108	4.912	6.584
2009	67707	50276.199	46588.051	3688.148	5.447	7.336
2010	67417	49840.933	45833.575	4007.357	5.944	8.040
2011	66750	49072.841	44714.301	4358.540	6.530	8.882
2012	66423	48539.512	43806.924	4732.588	7.125	9.750
2013	65625	47675.741	42623.150	5052.591	7.699	10.598
2014	65352	47194.534	41805.886	5388.648	8.246	11.418
2015	64489	46305.842	40652.643	5653.199	8.766	12.208
2016	61977	44208.867	38443.249	5765.617	9.303	13.042
2017	60275	42702.624	36752.845	5949.779	9.871	13.933
2018	62892	44321.202	37702.044	6619.159	10.525	14.935
2019	63504	44493.088	37443.960	7049.128	11.100	15.843
2020	63963	44529.551	37079.549	7450.002	11.647	16.730
2021	57591	39852.556	32811.398	7041.158	12.226	17.668
2022	57951	39853.685	32408.877	7444.808	12.847	18.680
2023	58283	39847.050	32023.254	7823.797	13.424	19.635
2024	58521	39726.010	31581.577	8144.433	13.917	20.502
2025	58133	39207.348	30868.643	8338.705	14.344	21.268
2026	52006	34803.960	27086.184	7717.776	14.840	22.175
2027	51776	34484.595	26504.247	7980.348	15.413	23.142
2028	51501	34100.638	25893.977	8206.661	15.935	24.066
2029	51197	33669.838	25260.371	8409.467	16.426	24.976
2030	49788	32557.688	24202.940	8354.748	16.781	25.661
2031	44212	28646.393	21092.400	7553.993	17.086	26.370
2032	43809	28227.160	20521.617	7705.543	17.589	27.298
2033	43392	27786.623	20021.027	7765.596	17.896	27.947
2034	42941	27348.299	19503.943	7844.356	18.268	28.683
2035	40435	25570.077	18159.480	7410.597	18.327	28.982
2036	34628	21717.319	15189.439	6527.880	18.852	30.058
2037	34061	21256.024	14674.695	6581.328	19.322	30.962
2038	33499	20747.175	14173.946	6573.229	19.622	31.683
2039	32949	20327.688	13752.792	6574.895	19.955	32.345

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6395210	1098877.421	763102.519	335774.9	5.250	30.556	1842.75	318.101	219.884	98.217

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	37112.529	197.309	0.117	0.529	2620.21	581.750	578.674	3.077
1992	164549	36137.488	35616.539	520.949	0.317	1.442	2522.12	553.899	545.912	7.987
1993	164365	35599.588	34646.952	952.636	0.580	2.676	2474.37	535.926	521.577	14.349
1994	159874	34336.757	32901.763	1434.994	0.898	4.179	2361.77	507.267	486.050	21.217
1995	158097	33455.759	31474.144	1981.615	1.253	5.923	2290.71	484.782	456.038	28.744
1996	154897	32193.824	29641.070	2552.755	1.648	7.929	2209.35	459.239	422.780	36.460
1997	150003	30665.509	27567.498	3098.011	2.065	10.103	2104.55	430.308	386.774	43.534
1998	145452	29188.430	25586.217	3602.214	2.477	12.341	2007.00	402.844	353.049	49.795
1999	166022	33375.386	28398.647	4976.739	2.998	14.911	2254.54	453.366	385.646	67.720
2000	160351	32024.754	26502.512	5522.242	3.444	17.244	2145.46	428.655	354.596	74.059
2001	154557	30682.393	24577.643	6104.750	3.950	19.897	2040.77	405.339	324.523	80.816
2002	152027	30218.370	23439.614	6778.756	4.459	22.433	1984.61	394.736	305.990	88.746
2003	146899	29175.202	21911.444	7263.757	4.945	24.897	1897.46	377.146	283.026	94.120
2004	138569	27488.687	19962.859	7525.829	5.431	27.378	1770.32	351.518	255.040	96.478
2005	136099	27017.439	19017.671	7999.769	5.878	29.610	1718.31	341.482	240.105	101.377
2006	132169	26231.435	17834.563	8396.872	6.353	32.011	1653.14	328.517	223.071	105.447
2007	126776	25103.049	16532.834	8570.215	6.760	34.140	1569.13	311.161	204.629	106.532
2008	126171	24621.740	15780.247	8841.494	7.008	35.909	1543.84	301.777	193.089	108.688
2009	122772	23741.177	14800.386	8940.791	7.282	37.659	1484.22	287.552	178.926	108.627
2010	120916	23189.160	14103.369	9085.791	7.514	39.181	1443.73	277.458	168.394	109.064
2011	120641	22786.927	13484.160	9302.767	7.711	40.825	1425.91	269.951	159.375	110.576
2012	121395	22485.295	12971.465	9513.829	7.837	42.311	1418.97	263.495	151.622	111.873
2013	123172	22251.884	12542.315	9709.569	7.883	43.635	1422.98	257.786	144.900	112.886
2014	123806	21894.593	12068.850	9825.744	7.936	44.877	1413.27	250.685	137.768	112.916
2015	124410	21471.109	11618.782	9852.327	7.919	45.886	1596.57	276.557	149.106	127.451
2016	126922	21411.568	11369.349	10042.22	7.912	46.901	1613.13	273.213	144.500	128.713
2017	129041	21169.399	11023.394	10146.01	7.863	47.928	1624.58	267.651	138.871	128.871
2018	122212	19830.576	10149.777	9680.799	7.921	48.818	1523.91	248.404	126.562	121.842
2019	122676	19431.014	9810.510	9620.504	7.842	49.511	1514.37	241.031	121.105	119.925
2020	121717	18532.612	9229.774	9302.838	7.643	50.197	1714.09	262.513	129.979	132.534
2021	120355	18234.128	8944.769	9289.359	7.718	50.945	1682.43	256.472	125.038	131.434
2022	120445	17812.559	8603.437	9209.122	7.646	51.700	1670.25	248.626	119.306	129.320
2023	120514	17361.668	8274.162	9087.507	7.541	52.342	1657.07	240.367	113.770	126.597
2024	120435	16929.676	7984.201	8945.475	7.428	52.839	1641.69	232.443	108.835	123.608
2025	116870	15501.666	7236.061	8265.606	7.073	53.321	1851.86	247.735	114.659	133.076
2026	116300	15523.814	7203.189	8320.625	7.154	53.599	1834.54	247.072	113.625	133.447
2027	115265	15073.070	6941.801	8131.270	7.054	53.946	1809.27	238.810	108.963	129.848
2028	114180	14636.710	6669.971	7966.739	6.977	54.430	1782.49	230.725	104.126	126.599
2029	113092	14180.166	6421.666	7758.500	6.860	54.714	1754.78	222.256	99.641	122.615
2030	106249	12111.772	5441.216	6670.556	6.278	55.075	1966.55	226.816	100.711	126.105
2031	106735	12417.367	5568.772	6848.595	6.416	55.153	1969.53	231.935	102.758	129.177
2032	105365	12054.064	5347.794	6706.271	6.365	55.635	1936.77	224.381	98.301	126.080
2033	104009	11672.389	5124.197	6548.192	6.296	56.100	1903.06	216.370	93.758	122.612
2034	102630	11365.762	4971.177	6394.585	6.231	56.262	1868.00	209.673	90.482	119.191
2035	92342	8580.360	3712.449	4867.911	5.272	56.733	2075.08	195.777	83.425	112.352
2036	93687	8948.841	3845.939	5102.902	5.447	57.023	2103.80	204.135	86.363	117.772
2037	91915	8624.570	3705.064	4919.506	5.352	57.041	2060.83	196.522	83.071	113.451
2038	90196	8315.017	3529.927	4785.090	5.305	57.548	2017.16	189.073	78.944	110.128
2039	88543	8001.132	3388.126	4613.006	5.210	57.654	1972.92	181.344	75.494	105.850

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1499248	149918.462	102260.563	47657.90	3.179	31.789	432.001	43.398	29.466	13.932

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4529.884	25.682	0.079	0.564	508.609	71.032	70.632	0.400
1992	32100	4453.572	4387.847	65.725	0.205	1.476	492.015	68.262	67.255	1.008
1993	32897	4462.473	4339.260	123.213	0.375	2.761	495.228	67.179	65.323	1.856
1994	33325	4499.513	4307.254	192.259	0.577	4.273	492.295	66.473	63.630	2.843
1995	33572	4472.774	4201.944	270.830	0.807	6.055	486.431	64.812	60.883	3.928
1996	33875	4406.878	4049.525	357.353	1.055	8.109	483.164	62.863	57.760	5.104
1997	33523	4288.158	3842.950	445.208	1.328	10.382	470.330	60.173	53.917	6.256
1998	32805	4120.148	3595.508	524.640	1.599	12.734	452.652	56.864	49.612	7.252
1999	33389	3982.443	3378.130	604.313	1.810	15.174	453.408	54.097	45.874	8.223
2000	33477	4021.411	3317.195	704.216	2.104	17.512	447.918	53.827	44.383	9.444
2001	32298	3848.092	3075.961	772.132	2.391	20.065	426.459	50.836	40.615	10.221
2002	31614	3783.081	2933.228	849.853	2.688	22.465	412.702	49.418	38.291	11.126
2003	31019	3754.415	2820.545	933.870	3.011	24.874	400.663	48.533	36.432	12.101
2004	29923	3666.274	2666.757	999.517	3.340	27.262	382.293	46.883	34.070	12.814
2005	28753	3589.688	2528.105	1061.583	3.692	29.573	363.018	45.371	31.918	13.453
2006	28240	3596.985	2449.786	1147.198	4.062	31.893	353.216	45.048	30.641	14.407
2007	28086	3560.798	2349.344	1211.454	4.313	34.022	347.619	44.137	29.078	15.059
2008	27194	3417.001	2188.616	1228.385	4.517	35.949	332.748	41.881	26.780	15.100
2009	27143	3394.390	2114.111	1280.278	4.717	37.717	328.134	41.113	25.558	15.555
2010	26994	3340.137	2029.043	1311.095	4.857	39.253	322.313	39.965	24.227	15.738
2011	27052	3285.435	1945.729	1339.706	4.952	40.777	319.743	38.922	22.997	15.924
2012	27161	3259.209	1877.975	1381.235	5.085	42.379	317.479	38.193	21.951	16.242
2013	28022	3274.703	1839.284	1435.419	5.122	43.834	323.739	37.937	21.249	16.688
2014	28926	3298.083	1807.159	1490.924	5.154	45.206	330.195	37.762	20.629	17.133
2015	29712	3244.406	1741.285	1503.121	5.059	46.330	381.296	41.789	22.346	19.443
2016	30683	3314.836	1747.143	1567.693	5.109	47.293	389.966	42.297	22.205	20.092
2017	31605	3333.314	1720.157	1613.157	5.104	48.395	397.902	42.144	21.656	20.488
2018	29541	2925.242	1482.996	1442.246	4.882	49.303	368.364	36.642	18.492	18.150
2019	29808	2864.628	1431.226	1433.402	4.809	50.038	367.959	35.534	17.668	17.866
2020	29819	2730.366	1346.459	1383.907	4.641	50.686	419.930	38.675	18.962	19.714
2021	30344	2647.911	1284.556	1363.355	4.493	51.488	424.179	37.244	17.957	19.288
2022	30568	2586.165	1233.959	1352.206	4.424	52.286	423.900	36.097	17.112	18.986
2023	30789	2517.960	1186.367	1331.593	4.325	52.884	423.343	34.860	16.313	18.548
2024	30962	2454.161	1143.253	1310.908	4.234	53.416	422.059	33.695	15.584	18.111
2025	30573	2275.364	1048.175	1227.189	4.014	53.934	484.443	36.363	16.609	19.754
2026	31028	2183.166	998.364	1184.802	3.818	54.270	489.444	34.747	15.748	18.998
2027	30920	2112.345	959.313	1153.032	3.729	54.585	485.342	33.467	15.058	18.409
2028	30787	2046.677	922.170	1124.506	3.653	54.943	480.624	32.263	14.396	17.866
2029	30646	1977.671	885.743	1091.929	3.563	55.213	475.517	30.997	13.744	17.254
2030	29735	1744.457	776.090	968.367	3.257	55.511	550.365	32.668	14.365	18.304
2031	29395	1653.738	730.655	923.082	3.140	55.818	542.409	30.889	13.482	17.407
2032	29158	1603.120	698.160	904.961	3.104	56.450	535.962	29.841	12.833	17.008
2033	28911	1548.245	670.043	878.202	3.038	56.722	528.987	28.700	12.260	16.440
2034	28639	1511.985	648.775	863.210	3.014	57.091	521.273	27.893	11.809	16.084
2035	27202	1239.866	530.323	709.542	2.608	57.227	611.273	28.290	11.917	16.373
2036	26051	1182.522	501.237	681.285	2.615	57.613	584.987	26.975	11.256	15.719
2037	25610	1134.483	484.128	650.355	2.539	57.326	574.204	25.851	10.855	14.996
2038	25167	1093.537	461.110	632.427	2.513	57.833	562.846	24.866	10.312	14.553
2039	24727	1047.905	440.575	607.330	2.456	57.957	550.971	23.751	9.817	13.934

Results for PHIM for Run 1 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2251391	1015606.587	831659.102	183947.5	8.170	18.112	648.728	293.996	239.639	54.357

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19200.970	14.666	0.043	0.076	531.576	299.618	299.389	0.229
1992	33942	19056.189	19019.362	36.828	0.109	0.193	520.248	292.085	291.519	0.566
1993	35914	20095.670	20021.472	74.197	0.207	0.369	540.647	302.526	301.404	1.122
1994	35076	19524.095	19413.229	110.866	0.316	0.568	518.164	288.435	286.787	1.648
1995	34672	19116.002	18956.654	159.348	0.460	0.834	502.372	276.995	274.668	2.327
1996	34587	18975.021	18758.109	216.913	0.627	1.143	493.322	270.675	267.553	3.123
1997	35274	19169.025	18883.227	285.798	0.810	1.491	494.903	268.986	264.933	4.053
1998	35686	19228.937	18856.807	372.130	1.043	1.935	492.406	265.388	260.194	5.195
1999	38532	20589.820	20105.980	483.841	1.256	2.350	523.255	279.689	273.034	6.655
2000	36303	19196.417	18658.261	538.157	1.482	2.803	485.730	256.946	249.642	7.304
2001	36307	19012.731	18360.371	652.361	1.797	3.431	479.401	251.174	242.430	8.743
2002	36016	18699.357	17941.754	757.603	2.104	4.051	470.164	244.265	234.218	10.047
2003	36246	18663.550	17785.293	878.257	2.423	4.706	468.182	241.262	229.729	11.533
2004	34658	17679.164	16703.543	975.621	2.815	5.518	442.785	226.076	213.400	12.676
2005	36886	18692.832	17522.789	1170.043	3.172	6.259	465.698	236.265	221.232	15.033
2006	34415	17308.564	16068.829	1239.734	3.602	7.163	430.461	216.769	200.985	15.784
2007	35404	17683.181	16256.980	1426.201	4.028	8.065	438.204	219.189	201.215	17.974
2008	38345	19006.374	17319.319	1687.055	4.400	8.876	469.196	232.952	211.921	21.031
2009	37009	18205.573	16399.682	1805.891	4.880	9.919	447.408	220.505	198.260	22.245
2010	37355	18237.758	16268.186	1969.573	5.273	10.799	446.023	218.215	194.242	23.973
2011	38232	18487.916	16270.920	2216.996	5.799	11.992	451.875	219.022	192.313	26.709
2012	38659	18491.158	16070.599	2420.560	6.261	13.090	451.885	216.689	187.847	28.842
2013	40470	19143.452	16438.196	2705.256	6.685	14.131	467.544	221.775	189.908	31.867
2014	40537	18992.005	16093.444	2898.561	7.150	15.262	462.738	217.451	183.710	33.741
2015	42531	19728.885	16550.873	3178.011	7.472	16.108	545.811	254.116	212.400	41.716
2016	43357	19876.724	16474.206	3402.518	7.848	17.118	551.048	253.628	209.381	44.247
2017	44388	20119.790	16442.776	3677.014	8.284	18.276	558.826	254.381	207.009	47.372
2018	45781	20535.123	16552.272	3982.851	8.700	19.395	570.865	257.229	206.397	50.832
2019	47310	21009.029	16705.873	4303.156	9.096	20.482	584.012	260.605	206.225	54.380
2020	48803	21428.512	16810.992	4617.520	9.461	21.548	687.281	303.533	236.743	66.790
2021	48875	21266.697	16426.956	4839.741	9.902	22.757	683.213	299.127	229.631	69.496
2022	50367	21663.568	16469.252	5194.316	10.313	23.977	698.445	302.378	228.383	73.995
2023	51884	22084.131	16530.787	5553.344	10.703	25.146	713.411	305.748	227.299	78.449
2024	53349	22418.456	16559.510	5858.946	10.982	26.134	727.215	307.804	225.728	82.076
2025	54431	22614.834	16491.977	6122.858	11.249	27.075	862.482	361.411	261.324	100.088
2026	54964	22571.522	16211.382	6360.140	11.571	28.178	867.020	359.241	255.722	103.519
2027	55933	22774.416	16090.189	6684.226	11.950	29.350	877.960	360.827	252.561	108.265
2028	56861	22915.561	15923.593	6991.967	12.297	30.512	887.664	361.228	248.587	112.641
2029	57772	22992.027	15717.611	7274.416	12.592	31.639	896.415	360.371	243.880	116.491
2030	58043	22895.360	15426.939	7468.420	12.867	32.620	1074.30	428.760	285.535	143.224
2031	58438	22715.871	15128.107	7587.764	12.984	33.403	1078.32	424.293	279.151	145.142
2032	59144	22759.207	14892.933	7866.274	13.300	34.563	1087.16	423.652	273.756	149.896
2033	59826	22786.258	14727.261	8058.996	13.471	35.368	1094.64	422.387	269.466	152.922
2034	60449	22806.106	14511.760	8294.346	13.721	36.369	1100.25	420.721	264.133	156.588
2035	59541	22262.998	14047.258	8215.739	13.798	36.903	1337.99	507.973	315.667	192.306
2036	57464	21140.051	13056.760	8083.291	14.067	38.237	1290.40	482.234	293.199	189.035
2037	57623	21011.845	12722.854	8288.991	14.385	39.449	1291.97	478.783	285.259	193.524
2038	57760	20787.483	12402.781	8384.703	14.516	40.335	1291.76	472.681	277.379	195.301
2039	57886	20709.267	12147.787	8561.480	14.790	41.341	1289.83	469.372	270.677	198.696

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Control File Details for Run: 2

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.4
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_1
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 2, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 2, Scenario: Ecig

Variable Parameter

Value

- 1. Country
 - 2. Sex
 - 3. Assumption Set
- Note:

US (United States)
 F (Females)
 ISS3
 Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 2, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 2, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			F (Females)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	10659	11.63	0	0.00			
5	All Ages	Ecig	11697	12.76					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18396	20.07			14.19	1129	6.14
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	233	7.34	0	0.00			
5	18-19	Ecig	427	13.44					
5	18-19	Dual	0	0.00					
5	18-19	Former	82	2.58			1.15	52	63.41
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	862	10.32	0	0.00			
5	20-24	Ecig	1250	14.97					
5	20-24	Dual	0	0.00					
5	20-24	Former	444	5.32			3.23	106	23.87
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1395	15.86					
5	25-29	Dual	0	0.00					
5	25-29	Former	1023	11.63			5.94	54	5.28
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

5	30-34	Never Any	5304	52.63					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1802	17.88					
5	30-34	Dual	0	0.00					
5	30-34	Former	1599	15.87			8.16	67	4.19
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1746	16.63					
5	35-39	Dual	0	0.00					
5	35-39	Former	2065	19.67			8.75	62	3.00
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1356	14.13					
5	40-44	Dual	0	0.00					
5	40-44	Former	2091	21.78			12.09	81	3.87
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1161	13.66					
5	45-49	Dual	0	0.00					
5	45-49	Former	2006	23.61			10.93	133	6.63
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	826	12.64					
5	50-54	Dual	0	0.00					
5	50-54	Former	1855	28.38			14.92	140	7.55
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	627	11.33					
5	55-59	Dual	0	0.00					
5	55-59	Former	1501	27.12			15.84	93	6.20
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	444	8.43					
5	60-64	Dual	0	0.00					
5	60-64	Former	1455	27.64			19.22	87	5.98
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	374	6.77					
5	65-69	Dual	0	0.00					
5	65-69	Former	1470	26.61			19.34	107	7.28
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	188	3.55					
5	70-74	Dual	0	0.00					
5	70-74	Former	1496	28.21			22.32	77	5.15
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	101	2.25					
5	75-79	Dual	0	0.00					
5	75-79	Former	1309	29.19			25.87	70	5.35
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	4595	5.00	0	0.00			
10	All Ages	Ecig	15644	17.02					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21246	23.12			15.11	1717	8.08
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	370	4.67	0	0.00			
10	20-24	Ecig	1780	22.45					
10	20-24	Dual	0	0.00					
10	20-24	Former	652	8.22			3.55	169	25.92
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	400	4.79	0	0.00			
10	25-29	Ecig	1690	20.24					
10	25-29	Dual	0	0.00					
10	25-29	Former	767	9.19			5.59	126	16.43
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1908	21.70					
10	30-34	Dual	0	0.00					
10	30-34	Former	1254	14.26			9.28	91	7.26
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2413	23.94					
10	35-39	Dual	0	0.00					
10	35-39	Former	1820	18.06			11.77	105	5.77
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2292	21.83					
10	40-44	Dual	0	0.00					
10	40-44	Former	2345	22.34			12.30	143	6.10
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1673	17.43					
10	45-49	Dual	0	0.00					
10	45-49	Former	2463	25.66			14.76	181	7.35
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1299	15.29					
10	50-54	Dual	0	0.00					
10	50-54	Former	2464	29.00			13.32	188	7.63
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	912	13.95					
10	55-59	Dual	0	0.00					

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2225	34.04			16.92	157	7.06
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		663	11.98					
10	60-64	Dual		0	0.00					
10	60-64	Former		1853	33.48			17.23	149	8.04
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		443	8.42					
10	65-69	Dual		0	0.00					
10	65-69	Former		1809	34.37			19.85	146	8.07
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		368	6.66					
10	70-74	Dual		0	0.00					
10	70-74	Former		1804	32.66			20.18	154	8.54
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		203	3.83					
10	75-79	Dual		0	0.00					
10	75-79	Former		1790	33.75			23.17	108	6.03
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		1890	2.18	0	0.00			
15	All Ages	Ecig		15617	18.03					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		22096	25.51			17.32	941	4.26
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		166	2.09	0	0.00			
15	25-29	Ecig		1941	24.48					
15	25-29	Dual		0	0.00					
15	25-29	Former		963	12.14			6.57	96	9.97
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		149	1.78	0	0.00			
15	30-34	Ecig		1822	21.82					
15	30-34	Dual		0	0.00					
15	30-34	Former		972	11.64			8.77	80	8.23
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	2002	22.77					
15	35-39	Dual	0	0.00					
15	35-39	Former	1435	16.32			12.75	66	4.60
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2500	24.81					
15	40-44	Dual	0	0.00					
15	40-44	Former	2056	20.40			15.08	101	4.91
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2318	22.08					
15	45-49	Dual	0	0.00					
15	45-49	Former	2666	25.39			15.45	135	5.06
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1622	16.90					
15	50-54	Dual	0	0.00					
15	50-54	Former	2769	28.84			17.84	99	3.58
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1281	15.08					
15	55-59	Dual	0	0.00					
15	55-59	Former	2694	31.71			16.95	78	2.90
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	852	13.04					
15	60-64	Dual	0	0.00					
15	60-64	Former	2437	37.29			20.18	93	3.82
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	591	10.68					
15	65-69	Dual	0	0.00					
15	65-69	Former	2099	37.93			19.92	68	3.24
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	391	7.43					
15	70-74	Dual	0	0.00					
15	70-74	Former	2002	38.03			22.67	69	3.45
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	297	5.38					
15	75-79	Dual	0	0.00					
15	75-79	Former	2003	36.26			22.91	56	2.80
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	765	0.94	0	0.00			
20	All Ages	Ecig	13785	17.00					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22772	28.09			19.42	1117	4.91
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	65	0.82	0	0.00			
20	30-34	Ecig	1881	23.72					
20	30-34	Dual	0	0.00					
20	30-34	Former	1241	15.65			9.36	130	10.48
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	58	0.69	0	0.00			
20	35-39	Ecig	1717	20.56					
20	35-39	Dual	0	0.00					
20	35-39	Former	1216	14.56			11.38	98	8.06
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	1849	21.03					
20	40-44	Dual	0	0.00					
20	40-44	Former	1691	19.23			15.34	112	6.62
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2327	23.09					
20	45-49	Dual	0	0.00					
20	45-49	Former	2362	23.44			17.71	131	5.55
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	2101	20.01					
20	50-54	Dual	0	0.00					
20	50-54	Former	3019	28.76			18.27	163	5.40
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1433	14.93					
20	55-59	Dual	0	0.00					
20	55-59	Former	3058	31.85			20.88	103	3.37
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	1079	12.70					
20	60-64	Dual	0	0.00					
20	60-64	Former	2991	35.20			19.94	144	4.81
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	645	9.87					
20	65-69	Dual	0	0.00					
20	65-69	Former	2728	41.74			22.72	95	3.48
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	477	8.62					
20	70-74	Dual	0	0.00					
20	70-74	Former	2285	41.29			23.05	69	3.02
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	276	5.24					
20	75-79	Dual	0	0.00					
20	75-79	Former	2181	41.43			25.56	72	3.30
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	340	0.45	0	0.00			
25	All Ages	Ecig	11438	15.09					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	23029	30.37			21.48	914	3.97
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	20	0.25	0	0.00			
25	35-39	Ecig	1567	19.76					
25	35-39	Dual	0	0.00					
25	35-39	Former	1617	20.39			11.52	129	7.98
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	33	0.40	0	0.00			
25	40-44	Ecig	1502	17.99					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1456	17.44			14.00	103	7.07
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5189	59.01					
25	45-49	CC	32	0.36	0	0.00			
25	45-49	Ecig	1627	18.50					
25	45-49	Dual	0	0.00					
25	45-49	Former	1945	22.12			17.95	96	4.94
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5284	52.43					
25	50-54	CC	45	0.45	0	0.00			
25	50-54	Ecig	2059	20.43					
25	50-54	Dual	0	0.00					
25	50-54	Former	2690	26.69			20.17	150	5.58
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5278	50.27					
25	55-59	CC	37	0.35	0	0.00			
25	55-59	Ecig	1773	16.89					
25	55-59	Dual	0	0.00					
25	55-59	Former	3411	32.49			20.84	140	4.10
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	42	0.44	0	0.00			
25	60-64	Ecig	1154	12.02					
25	60-64	Dual	0	0.00					
25	60-64	Former	3386	35.27			23.56	144	4.25
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	41	0.48	0	0.00			
25	65-69	Ecig	844	9.93					
25	65-69	Dual	0	0.00					
25	65-69	Former	3256	38.32			23.12	70	2.15
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	31	0.47	0	0.00			
25	70-74	Ecig	527	8.06					
25	70-74	Dual	0	0.00					
25	70-74	Former	2862	43.79			26.54	42	1.47
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	59	1.07	0	0.00			
25	75-79	Ecig	385	6.96					
25	75-79	Dual	0	0.00					
25	75-79	Former	2406	43.48			26.76	40	1.66
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38326	54.53					
30	All Ages	CC	115	0.16	0	0.00			
30	All Ages	Ecig	9272	13.19					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	22570	32.11			23.81	756	3.35
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	1345	16.96					
30	40-44	Dual	0	0.00					
30	40-44	Former	1853	23.37			14.68	82	4.43
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	1317	15.77					
30	45-49	Dual	0	0.00					
30	45-49	Former	1661	19.89			16.93	71	4.27
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1395	15.86					
30	50-54	Dual	0	0.00					
30	50-54	Former	2200	25.02			20.50	121	5.50
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	1708	16.95					
30	55-59	Dual	0	0.00					
30	55-59	Former	3072	30.48			22.30	140	4.56
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	1428	13.60					
30	60-64	Dual	0	0.00					
30	60-64	Former	3778	35.98			23.52	153	4.05
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	917	9.55					
30	65-69	Dual	0	0.00					
30	65-69	Former	3647	37.99			26.68	75	2.06
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	727	8.56					
30	70-74	Dual	0	0.00					
30	70-74	Former	3392	39.92			27.06	66	1.95
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	435	6.66					
30	75-79	Dual	0	0.00					
30	75-79	Former	2967	45.39			30.49	48	1.62
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	7305	11.46					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	21185	33.23			25.87	616	2.91
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	1146	14.45					
35	45-49	Dual	0	0.00					
35	45-49	Former	2057	25.94			17.95	74	3.60
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	1112	13.32					
35	50-54	Dual	0	0.00					
35	50-54	Former	1876	22.47			19.62	104	5.54
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	1153	13.11					
35	55-59	Dual	0	0.00					
35	55-59	Former	2447	27.83			23.13	98	4.00
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	1378	13.67					
35	60-64	Dual	0	0.00					
35	60-64	Former	3409	33.83			24.79	139	4.08
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	1139	10.85					
35	65-69	Dual	0	0.00					
35	65-69	Former	4075	38.81			26.61	83	2.04
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	789	8.22					
35	70-74	Dual	0	0.00					
35	70-74	Former	3782	39.40			30.61	65	1.72
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	588	6.92					
35	75-79	Dual	0	0.00					
35	75-79	Former	3539	41.65			30.81	53	1.50
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	5391	9.76					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	18991	34.37			27.90	543	2.86
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4726	59.60					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		959	12.09					
40	50-54	Dual		0	0.00					
40	50-54	Former		2245	28.31			21.16	100	4.45
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		5359	64.18					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		897	10.74					
40	55-59	Dual		0	0.00					
40	55-59	Former		2094	25.08			22.27	80	3.82
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5189	59.01					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		886	10.08					
40	60-64	Dual		0	0.00					
40	60-64	Former		2715	30.88			25.52	128	4.71
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		5284	52.43					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		1080	10.72					
40	65-69	Dual		0	0.00					
40	65-69	Former		3711	36.82			27.57	73	1.97
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		5278	50.27					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		957	9.12					
40	70-74	Dual		0	0.00					
40	70-74	Former		4260	40.58			30.32	86	2.02
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

40	75-79	Ecig	612	6.38					
40	75-79	Dual	0	0.00					
40	75-79	Former	3966	41.31			34.05	76	1.92
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	3886	8.51					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	15923	34.88			29.63	351	2.20
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

45	55-59	Never Any	4726	59.60					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	792	9.99					
45	55-59	Dual	0	0.00					
45	55-59	Former	2412	30.42			24.49	64	2.65
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	719	8.61					
45	60-64	Dual	0	0.00					
45	60-64	Former	2272	27.21			25.28	77	3.39
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	694	7.89					
45	65-69	Dual	0	0.00					
45	65-69	Former	2907	33.06			28.66	55	1.89
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	934	9.27					
45	70-74	Dual	0	0.00					
45	70-74	Former	3859	38.29			31.38	76	1.97
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	747	7.11					
45	75-79	Dual	0	0.00					
45	75-79	Former	4473	42.60			33.73	79	1.77
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	2497	7.10					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12092	34.40			31.39	238	1.97
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	613	7.73					
50	60-64	Dual	0	0.00					
50	60-64	Former	2591	32.67			27.58	77	2.97
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	578	6.92					
50	65-69	Dual	0	0.00					
50	65-69	Former	2413	28.90			28.67	34	1.41
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	583	6.63					
50	70-74	Dual	0	0.00					
50	70-74	Former	3018	34.32			32.48	56	1.86
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	723	7.17					
50	75-79	Dual	0	0.00					
50	75-79	Former	4070	40.38			34.61	71	1.74

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	9082078	2946250.006	2416528.159	529721.8	5.833	17.980	2493.45	808.881	663.448	145.433

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58970.930	107.556	0.054	0.182	2877.87	853.678	852.124	1.554
1992	198532	60494.150	60197.996	296.153	0.149	0.490	2829.84	862.271	858.050	4.221
1993	202512	62694.848	62121.218	573.629	0.283	0.915	2845.85	881.034	872.973	8.061
1994	200658	63202.598	62303.100	899.498	0.448	1.423	2777.87	874.966	862.513	12.452
1995	201023	63766.862	62470.595	1296.267	0.645	2.033	2739.80	869.097	851.430	17.667
1996	201180	64591.163	62826.784	1764.378	0.877	2.732	2706.36	868.908	845.173	23.735
1997	198639	64686.912	62494.562	2192.350	1.104	3.389	2635.18	858.147	829.063	29.084
1998	197573	65295.961	62604.665	2691.296	1.362	4.122	2584.18	854.046	818.845	35.201
1999	211329	67327.521	63882.307	3445.214	1.630	5.117	2726.91	868.771	824.315	44.456
2000	208496	67596.897	63587.436	4009.460	1.923	5.931	2656.96	861.419	810.325	51.094
2001	203606	67008.811	62422.143	4586.668	2.253	6.845	2565.88	844.458	786.656	57.802
2002	200828	67067.744	61829.255	5238.488	2.608	7.811	2506.09	836.925	771.555	65.370
2003	196352	66756.217	60940.712	5815.505	2.962	8.712	2427.31	825.244	753.353	71.892
2004	188160	65058.725	58775.962	6282.763	3.339	9.657	2302.83	796.234	719.342	76.893
2005	186416	65214.724	58303.979	6910.745	3.707	10.597	2256.27	789.321	705.677	83.644
2006	180088	63771.146	56405.526	7365.620	4.090	11.550	2160.67	765.117	676.745	88.372
2007	175644	63110.718	55287.415	7823.303	4.454	12.396	2086.36	749.650	656.722	92.928
2008	177570	63718.624	55209.170	8509.455	4.792	13.355	2086.39	748.674	648.690	99.983
2009	172806	62794.698	53868.398	8926.300	5.166	14.215	2007.57	729.515	625.814	103.701
2010	170489	61917.074	52583.313	9333.761	5.475	15.075	1957.97	711.083	603.890	107.193
2011	170305	61680.114	51747.558	9932.556	5.832	16.103	1937.46	701.700	588.703	112.997
2012	171421	62023.127	51461.914	10561.21	6.161	17.028	1930.22	698.386	579.466	118.920
2013	172699	62037.765	50878.198	11159.57	6.462	17.988	1923.75	691.059	566.749	124.310
2014	174169	61921.017	50122.614	11798.40	6.774	19.054	1918.85	682.195	552.210	129.985
2015	177354	61856.204	49543.255	12312.95	6.943	19.906	2184.51	761.899	610.237	151.662
2016	176853	60464.119	47732.844	12731.27	7.199	21.056	2157.59	737.655	582.335	155.320
2017	179309	60243.839	46928.227	13315.61	7.426	22.103	2166.86	728.017	567.104	160.912
2018	177157	60713.327	46904.288	13809.04	7.795	22.745	2120.51	726.721	561.431	165.290
2019	179227	61148.172	46669.922	14478.25	8.078	23.677	2124.53	724.841	553.218	171.623
2020	180467	61149.317	46307.966	14841.35	8.224	24.271	2424.25	821.432	622.065	199.367
2021	178116	58727.786	43663.462	15064.32	8.458	25.651	2375.42	783.216	582.312	200.903
2022	179408	58848.802	43295.615	15553.19	8.669	26.429	2374.52	778.881	573.030	205.851
2023	180640	58816.149	42838.573	15977.58	8.845	27.165	2372.26	772.407	562.580	209.827
2024	181610	58955.232	42474.245	16480.99	9.075	27.955	2366.77	768.316	553.533	214.783
2025	180418	58297.744	41656.125	16641.62	9.224	28.546	2713.69	876.861	626.553	250.308
2026	180313	56469.971	39686.346	16783.62	9.308	29.721	2701.83	846.150	594.663	251.487
2027	179619	56209.427	39032.859	17176.57	9.563	30.558	2680.68	838.883	582.536	256.347
2028	178762	55733.105	38292.762	17440.34	9.756	31.293	2656.74	828.298	569.102	259.196
2029	177808	55145.838	37458.905	17686.93	9.947	32.073	2630.89	815.951	554.251	261.700
2030	173587	53615.097	36066.003	17549.09	10.110	32.732	3040.33	939.056	631.688	307.368
2031	174985	52046.561	34661.629	17384.93	9.935	33.403	3060.73	910.364	606.278	304.086
2032	173400	51582.636	33997.205	17585.43	10.142	34.092	3027.10	900.496	593.501	306.995
2033	171756	50839.758	33238.439	17601.32	10.248	34.621	2991.14	885.375	578.847	306.527
2034	169973	50215.451	32531.236	17684.22	10.404	35.217	2951.96	872.104	564.978	307.126
2035	162644	47773.075	30726.459	17046.62	10.481	35.682	3459.14	1016.05	653.495	362.550
2036	156254	43298.709	27381.748	15916.96	10.187	36.761	3328.25	922.274	683.239	339.036
2037	153593	42241.563	26387.681	15853.88	10.322	37.531	3274.10	900.450	562.498	337.952
2038	150947	41356.353	25611.427	15744.93	10.431	38.071	3217.50	881.531	545.920	335.611
2039	148373	40161.050	24620.365	15540.68	10.474	38.696	3159.42	855.178	524.259	330.919

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	2327764	1580465.217	1373633.475	206831.7	8.885	13.087	639.078	433.910	377.126	56.785

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	0.000
1991	43692	31412.010	31391.193	20.818	0.048	0.066	631.345	453.901	0.301
1992	45423	32782.407	32723.146	59.261	0.130	0.181	647.450	467.274	0.845
1993	46291	33491.183	33374.294	116.889	0.253	0.349	650.515	470.643	1.643
1994	47017	34074.347	33886.411	187.936	0.400	0.552	650.895	471.719	2.602
1995	47840	34694.454	34411.198	283.256	0.592	0.816	652.025	472.861	3.861
1996	48244	35027.269	34638.666	388.603	0.805	1.109	648.999	471.202	5.228
1997	49035	35590.763	35079.055	511.708	1.044	1.438	650.506	472.153	6.788
1998	49686	36100.785	35443.870	656.915	1.322	1.820	649.874	472.184	8.592
1999	48883	35451.030	34669.445	781.584	1.599	2.205	630.769	457.448	10.085
2000	50331	36447.986	35472.086	975.900	1.939	2.678	641.392	464.474	12.436
2001	50389	36411.326	35245.043	1166.283	2.315	3.203	635.012	458.863	14.698
2002	51445	37078.545	35676.866	1401.679	2.725	3.780	641.972	462.696	17.491
2003	51408	36999.876	35379.010	1620.866	3.153	4.381	635.509	457.395	20.037
2004	51399	36861.555	35005.896	1855.659	3.610	5.034	629.057	451.138	22.711
2005	51421	36689.529	34591.770	2097.759	4.080	5.718	622.370	444.069	25.390
2006	51355	36504.774	34160.217	2344.557	4.565	6.423	616.150	437.979	28.130
2007	51839	36663.202	34024.884	2638.318	5.089	7.196	615.761	435.498	31.339
2008	50976	35898.803	33056.642	2842.161	5.575	7.917	598.952	421.800	33.394
2009	51193	35934.525	32788.223	3146.302	6.146	8.756	594.733	417.468	36.552
2010	50853	35502.829	32130.836	3371.993	6.631	9.498	584.018	407.730	38.725
2011	50509	35136.342	31493.468	3642.873	7.212	10.368	574.613	399.726	41.443
2012	51245	35450.201	31480.586	3969.615	7.746	11.198	577.023	399.173	44.698
2013	51069	35123.224	30858.074	4265.149	8.352	12.143	568.874	391.249	47.511
2014	51251	35079.370	30508.580	4570.790	8.918	13.030	564.641	386.476	50.357
2015	50443	34324.171	29585.243	4738.928	9.395	13.806	621.319	422.780	58.371
2016	48854	33054.753	28168.638	4886.115	10.001	14.782	596.013	403.264	59.610
2017	48325	32471.234	27347.059	5124.175	10.604	15.781	583.983	392.399	61.923
2018	50465	33657.595	27967.874	5689.720	11.275	16.905	604.052	402.871	68.104
2019	51036	33863.424	27795.561	6067.863	11.889	17.919	604.975	401.412	71.928
2020	51444	33910.830	27574.470	6336.359	12.317	18.685	691.053	455.532	85.118
2021	48037	31531.880	25300.130	6231.750	12.973	19.763	640.639	420.521	83.109
2022	48335	31560.212	25040.680	6519.532	13.488	20.657	639.727	417.708	86.288
2023	48599	31508.781	24724.777	6784.005	13.959	21.531	638.227	413.791	89.091
2024	48784	31517.293	24447.513	7069.780	14.492	22.431	635.757	410.740	92.135
2025	48477	31175.389	23943.092	7232.297	14.919	23.199	729.141	468.912	108.782
2026	45324	29044.598	22033.598	7010.999	15.469	24.139	679.138	435.206	105.053
2027	45107	28825.765	21607.611	7218.153	16.002	25.041	673.191	430.203	107.725
2028	44842	28513.846	21142.352	7371.493	16.439	25.852	666.430	423.769	109.554
2029	44539	28148.109	20627.887	7520.221	16.884	26.717	659.013	416.486	111.271
2030	43393	27314.475	19809.966	7504.509	17.294	27.474	760.018	478.407	131.440
2031	40748	25423.102	18303.813	7119.289	17.472	28.003	712.731	444.684	124.526
2032	40325	25085.902	17878.842	7207.060	17.872	28.730	703.969	437.933	125.816
2033	39882	24645.067	17418.485	7226.581	18.120	29.323	694.543	429.194	125.851
2034	39404	24239.126	16981.108	7258.018	18.419	29.943	684.347	420.967	126.052
2035	37454	22944.147	15942.846	7001.300	18.693	30.515	796.588	487.980	148.905
2036	32988	19950.581	13698.778	6251.802	18.951	31.336	702.663	424.953	133.165
2037	32403	19415.334	13179.607	6235.727	19.244	32.118	690.731	413.871	132.925
2038	31820	18939.317	12757.790	6181.527	19.427	32.639	678.257	403.701	131.762
2039	31251	18379.752	12252.089	6127.663	19.608	33.339	665.457	391.373	130.481

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	282177.202	116656.6	3.598	29.249	890.124	109.498	77.471	32.028

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12799.224	57.256	0.059	0.445	1393.01	185.775	184.948	0.827
1992	93721	12662.244	12505.888	156.355	0.167	1.235	1335.88	180.485	178.256	2.229
1993	93679	12730.613	12434.248	296.365	0.316	2.328	1316.45	178.900	174.735	4.165
1994	90832	12495.323	12037.119	458.204	0.504	3.667	1257.46	172.983	166.640	6.343
1995	89698	12365.590	11721.075	644.515	0.719	5.212	1222.52	168.534	159.750	8.784
1996	88286	12290.551	11418.114	872.437	0.988	7.098	1187.66	165.338	153.601	11.736
1997	84777	11719.531	10676.301	1043.230	1.231	8.902	1124.67	155.473	141.634	13.840
1998	82517	11416.794	10174.253	1242.541	1.506	10.883	1079.29	149.327	133.075	16.252
1999	93939	13028.038	11329.161	1698.877	1.808	13.040	1212.16	168.109	146.187	21.922
2000	90039	12426.299	10533.572	1892.727	2.102	15.232	1147.41	158.354	134.234	24.120
2001	86119	11939.281	9817.779	2121.502	2.463	17.769	1085.29	150.461	123.726	26.736
2002	83014	11528.794	9178.591	2350.203	2.831	20.386	1035.91	143.865	114.538	29.328
2003	79302	11048.407	8529.482	2518.924	3.176	22.799	980.336	136.581	105.442	31.139
2004	73861	10375.132	7746.374	2628.757	3.559	25.337	903.963	126.978	94.806	32.173
2005	71649	10051.029	7275.788	2775.241	3.873	27.612	867.197	121.652	88.062	33.590
2006	67551	9542.523	6675.027	2867.496	4.245	30.050	810.467	114.490	80.086	34.404
2007	63503	8936.533	6061.523	2875.010	4.527	32.171	754.310	106.151	72.001	34.150
2008	63171	8944.180	5883.614	3060.566	4.845	34.219	742.239	105.091	69.131	35.961
2009	59747	8390.033	5371.045	3018.988	5.053	35.983	694.108	97.471	62.398	35.073
2010	58008	8157.570	5089.817	3067.752	5.288	37.606	666.189	93.685	58.454	35.231
2011	57368	8035.356	4868.251	3167.104	5.521	39.415	652.644	91.414	55.383	36.030
2012	57411	7970.766	4694.893	3275.872	5.706	41.099	646.453	89.752	52.865	36.887
2013	57067	7743.216	4450.745	3292.471	5.769	42.521	635.688	86.254	49.578	36.676
2014	57538	7774.935	4359.371	3415.564	5.936	43.930	633.906	85.658	48.028	37.630
2015	58395	7722.535	4254.205	3468.329	5.939	44.912	719.266	95.120	52.400	42.720
2016	58658	7600.353	4091.397	3508.956	5.982	46.168	715.621	92.723	49.915	42.809
2017	59004	7470.266	3943.068	3527.198	5.978	47.216	713.034	90.274	47.650	42.624
2018	56077	6907.050	3576.073	3330.977	5.940	48.226	671.224	82.675	42.805	39.871
2019	55886	6732.046	3429.648	3302.399	5.909	49.055	662.462	79.801	40.655	39.146
2020	55313	6429.836	3231.714	3198.121	5.782	49.739	743.037	86.373	43.412	42.961
2021	56292	6562.016	3236.875	3325.141	5.907	50.673	750.730	87.513	43.168	44.345
2022	55827	6352.366	3093.251	3259.115	5.838	51.306	738.885	84.075	40.940	43.135
2023	55338	6134.123	2960.352	3173.772	5.735	51.740	726.728	80.557	38.877	41.680
2024	54770	5922.193	2829.562	3092.630	5.647	52.221	713.771	77.179	36.875	40.304
2025	53295	5504.188	2601.482	2902.706	5.447	52.736	801.612	82.789	39.129	43.660
2026	55278	5641.075	2643.898	2997.178	5.422	53.131	828.283	84.526	39.616	44.910
2027	54199	5426.216	2523.436	2902.780	5.356	53.495	808.875	80.982	37.660	43.322
2028	53090	5197.830	2405.304	2792.526	5.260	53.725	789.020	77.249	35.747	41.502
2029	51974	4973.547	2291.453	2682.093	5.160	53.927	769.023	73.590	33.905	39.685
2030	49479	4450.618	2017.318	2433.300	4.918	54.673	866.605	77.952	35.333	42.619
2031	51987	4555.052	2064.934	2490.119	4.790	54.667	909.317	79.674	36.118	43.555
2032	50677	4349.999	1965.830	2384.169	4.705	54.809	884.689	75.939	34.318	41.621
2033	49380	4147.948	1877.256	2270.692	4.598	54.743	859.955	72.237	32.692	39.544
2034	48076	3966.133	1790.237	2175.896	4.526	54.862	834.943	68.881	31.091	37.789
2035	44518	3289.064	1455.751	1833.314	4.118	55.740	946.825	69.952	30.961	38.991
2036	46347	3313.192	1456.764	1856.428	4.005	56.031	987.211	70.572	31.029	39.542
2037	44841	3117.951	1368.495	1749.456	3.901	56.109	955.859	66.464	29.172	37.293
2038	43378	2949.775	1295.726	1654.049	3.813	56.074	924.621	62.876	27.619	35.257
2039	41973	2766.312	1219.025	1547.287	3.686	55.933	893.753	58.905	25.958	32.947

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	72985.607	31914.14	2.360	30.423	371.243	28.800	20.038	8.762

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3189.553	17.510	0.054	0.546	469.694	46.342	46.089	0.253
1992	32560	3218.125	3169.595	48.529	0.149	1.508	464.104	45.871	45.179	0.692
1993	32768	3226.680	3135.233	91.447	0.279	2.834	460.480	45.344	44.059	1.285
1994	33005	3277.266	3132.503	144.763	0.439	4.417	456.915	45.370	43.366	2.004
1995	33730	3309.378	3102.802	206.576	0.612	6.242	459.716	45.104	42.289	2.815
1996	33750	3312.987	3034.184	278.802	0.826	8.415	454.019	44.568	40.817	3.751
1997	33699	3267.066	2919.678	347.388	1.031	10.633	447.056	43.341	38.733	4.609
1998	33274	3178.725	2765.267	413.458	1.243	13.007	435.211	41.577	36.169	5.408
1999	33891	3120.351	2640.822	479.529	1.415	15.368	437.317	40.264	34.076	6.188
2000	33827	3142.808	2583.369	559.439	1.654	17.801	431.074	40.050	32.921	7.129
2001	32506	2961.588	2362.778	598.810	1.842	20.219	409.647	37.323	29.776	7.546
2002	32078	2940.627	2267.671	672.957	2.098	22.885	400.295	36.695	28.298	8.398
2003	30568	2819.545	2105.910	713.635	2.335	25.310	377.883	34.855	26.033	8.822
2004	29388	2730.466	1972.530	757.936	2.579	27.758	359.671	33.417	24.141	9.276
2005	27954	2670.510	1871.750	798.760	2.857	29.910	338.339	32.322	22.655	9.668
2006	27201	2623.285	1782.189	841.096	3.092	32.063	326.354	31.474	21.382	10.091
2007	26302	2536.599	1674.241	862.358	3.279	33.997	312.424	30.131	19.887	10.243
2008	25998	2469.443	1584.294	885.150	3.405	35.844	305.468	29.015	18.615	10.400
2009	25040	2386.945	1491.204	895.741	3.577	37.527	290.901	27.730	17.324	10.406
2010	24840	2329.274	1419.583	909.691	3.662	39.055	285.273	26.750	16.303	10.447
2011	24792	2286.581	1356.572	930.009	3.751	40.672	282.045	26.013	15.433	10.580
2012	24500	2243.311	1296.194	947.117	3.866	42.220	275.872	25.260	14.595	10.665
2013	24451	2176.503	1225.545	950.958	3.889	43.692	272.368	24.245	13.652	10.593
2014	25296	2211.619	1215.884	995.735	3.936	45.023	278.691	24.366	13.396	10.970
2015	26316	2237.016	1209.202	1027.814	3.906	45.946	324.141	27.554	14.894	12.660
2016	26735	2229.057	1182.466	1046.592	3.915	46.952	326.164	27.194	14.426	12.768
2017	27616	2221.649	1158.439	1063.210	3.850	47.857	333.726	26.848	13.999	12.848
2018	25256	1939.420	995.973	943.447	3.736	48.646	302.304	23.214	11.921	11.293
2019	25429	1904.400	962.171	942.229	3.705	49.476	301.434	22.574	11.405	11.169
2020	25379	1806.054	900.119	905.936	3.570	50.161	340.922	24.261	12.091	12.170
2021	25448	1748.172	855.863	892.309	3.506	51.042	339.386	23.314	11.414	11.900
2022	25539	1701.148	822.310	878.838	3.441	51.661	338.015	22.515	10.883	11.632
2023	25620	1652.087	792.260	859.827	3.356	52.045	336.461	21.696	10.404	11.292
2024	25659	1597.127	758.076	839.051	3.270	52.535	334.391	20.814	9.879	10.935
2025	25260	1467.622	688.871	778.751	3.083	53.062	379.931	22.075	10.361	11.713
2026	25480	1390.505	647.754	742.752	2.915	53.416	381.790	20.835	9.706	11.129
2027	25264	1342.095	620.167	721.928	2.858	53.791	377.042	20.030	9.256	10.774
2028	25022	1289.536	592.945	696.591	2.784	54.019	371.870	19.165	8.812	10.353
2029	24767	1242.216	568.354	673.862	2.721	54.247	366.459	18.380	8.410	9.971
2030	23959	1096.803	493.566	603.237	2.518	55.000	419.641	19.210	8.645	10.566
2031	23963	1019.991	458.796	561.195	2.342	55.020	419.142	17.841	8.025	9.816
2032	23615	977.406	438.192	539.214	2.283	55.168	412.259	17.063	7.650	9.413
2033	23259	937.450	420.538	516.912	2.222	55.140	405.051	16.326	7.324	9.002
2034	22879	900.763	402.616	498.147	2.177	55.303	397.339	15.644	6.992	8.651
2035	21733	745.023	328.547	416.476	1.916	55.901	462.224	15.845	6.988	8.858
2036	20904	680.360	296.763	383.597	1.835	56.381	445.263	14.492	6.321	8.171
2037	20397	644.109	280.383	363.726	1.783	56.470	434.791	13.730	5.977	7.753
2038	19890	612.448	266.542	345.906	1.739	56.479	423.966	13.055	5.681	7.373
2039	19392	577.529	252.327	325.202	1.677	56.309	412.930	12.298	5.373	6.925

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	687731.875	174319.4	8.071	20.221	593.003	236.673	188.814	47.859

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11590.960	11.972	0.045	0.103	383.818	167.661	167.488	0.173
1992	26828	11831.375	11799.367	32.008	0.119	0.271	382.401	168.642	168.186	0.456
1993	29774	13246.371	13177.443	68.928	0.232	0.520	418.406	186.148	185.179	0.969
1994	29804	13355.662	13247.068	108.594	0.364	0.813	412.601	184.893	183.390	1.503
1995	29755	13397.439	13235.521	161.919	0.544	1.209	405.540	182.598	180.391	2.207
1996	30900	13960.356	13735.820	224.536	0.727	1.608	415.680	187.801	184.780	3.021
1997	31128	14109.552	13819.528	290.024	0.932	2.056	412.949	187.180	183.332	3.848
1998	32096	14599.657	14221.275	378.383	1.179	2.592	419.803	190.958	186.009	4.949
1999	34616	15728.102	15242.878	485.224	1.402	3.085	446.673	202.950	196.689	6.261
2000	34299	15579.803	14998.410	581.393	1.695	3.732	437.088	198.541	191.132	7.409
2001	34592	15696.614	14996.542	700.072	2.024	4.460	435.935	197.812	188.989	8.822
2002	34291	15519.777	14706.128	813.649	2.373	5.243	427.910	193.668	183.515	10.153
2003	35074	15888.389	14926.310	962.080	2.743	6.055	433.587	196.413	184.520	11.893
2004	33512	15091.573	14051.162	1040.411	3.105	6.894	410.143	184.701	171.968	12.733
2005	35392	15803.656	14564.672	1238.984	3.501	7.840	428.364	191.278	176.282	14.996
2006	33981	15100.563	13788.093	1312.471	3.862	8.692	407.699	181.174	165.428	15.747
2007	34000	14974.384	13526.766	1447.618	4.258	9.667	403.863	177.871	160.675	17.195
2008	37425	16406.197	14684.619	1721.578	4.600	10.493	439.732	192.768	172.540	20.228
2009	36826	16083.194	14217.926	1865.268	5.065	11.598	427.825	186.846	165.176	21.670
2010	36788	15927.400	13943.077	1984.324	5.394	12.459	422.489	182.917	160.128	22.789
2011	37636	16221.836	14029.266	2192.570	5.826	13.516	428.164	184.547	159.603	24.944
2012	38265	16358.849	13990.241	2368.609	6.190	14.479	430.867	184.202	157.531	26.671
2013	40112	16994.822	14343.834	2650.988	6.609	15.599	446.821	189.311	159.781	29.530
2014	40084	16855.093	14038.779	2816.314	7.026	16.709	441.613	185.696	154.668	31.028
2015	42200	17572.483	14494.605	3077.878	7.294	17.515	519.788	216.445	178.534	37.911
2016	42606	17579.955	14290.343	3289.612	7.721	18.712	519.788	214.473	174.341	40.133
2017	44364	18080.688	14479.661	3601.028	8.117	19.916	536.117	218.496	174.979	43.517
2018	45359	18209.262	14364.368	3844.894	8.477	21.115	542.932	217.960	171.937	46.022
2019	46876	18648.302	14482.542	4165.760	8.887	22.339	555.657	221.054	171.674	49.380
2020	48331	19002.597	14601.663	4400.934	9.106	23.160	649.239	255.266	196.147	59.119
2021	48338	18885.717	14270.594	4615.123	9.548	24.437	644.660	251.867	190.318	61.549
2022	49708	19235.076	14339.375	4895.702	9.849	25.452	657.895	254.582	189.786	64.796
2023	51083	19521.158	14361.185	5159.973	10.101	26.433	670.849	256.363	188.599	67.764
2024	52397	19918.620	14439.094	5479.526	10.458	27.510	682.854	259.583	188.173	71.410
2025	53387	20150.545	14422.680	5727.865	10.729	28.425	803.004	303.086	216.933	86.153
2026	54232	20393.792	14361.097	6032.696	11.124	29.581	812.615	305.582	215.188	90.394
2027	55049	20615.351	14281.644	6333.707	11.506	30.723	821.568	307.668	213.143	94.526
2028	55809	20731.894	14152.161	6579.733	11.790	31.737	829.419	308.115	210.328	97.787
2029	56527	20781.967	13971.209	6810.758	12.049	32.772	836.392	307.495	206.721	100.774
2030	56756	20753.201	13745.153	7008.048	12.348	33.769	994.067	363.487	240.743	122.744
2031	58288	21048.417	13834.087	7214.330	12.377	34.275	1019.54	368.165	241.977	126.188
2032	58782	21169.329	13714.341	7454.988	12.682	35.216	1026.18	369.560	239.416	130.144
2033	59236	21109.293	13522.160	7587.134	12.808	35.942	1031.59	367.618	235.488	132.130
2034	59614	21109.429	13357.274	7752.155	13.004	36.724	1035.33	366.613	231.979	134.634
2035	58938	20794.840	12999.315	7795.525	13.227	37.488	1253.51	442.268	276.472	165.797
2036	56014	19354.577	11929.443	7425.134	13.256	38.364	1193.11	412.258	254.100	158.157
2037	55953	19064.169	11559.196	7504.974	13.413	39.367	1192.72	406.385	246.404	159.981
2038	55859	18854.812	11291.369	7563.443	13.540	40.114	1190.66	401.900	240.681	161.218
2039	55757	18437.457	10896.923	7540.533	13.524	40.898	1187.28	392.602	232.036	160.566

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9119610	2946250.006	2424661.893	521588.1	5.719	17.703	2497.07	808.881	663.905	144.977

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58970.930	107.556	0.054	0.182	2877.87	853.678	852.124	1.554
1992	198532	60494.150	60198.144	296.006	0.149	0.489	2829.84	862.271	858.051	4.221
1993	202514	62694.848	62121.784	573.063	0.283	0.914	2845.86	881.034	872.976	8.058
1994	200662	63202.598	62304.484	898.114	0.448	1.421	2777.90	874.966	862.520	12.445
1995	201031	63766.862	62473.241	1293.621	0.643	2.029	2739.84	869.097	851.444	17.654
1996	201194	64591.163	62831.300	1759.863	0.875	2.725	2706.43	868.908	845.196	23.712
1997	198661	64686.912	62501.575	2185.337	1.100	3.378	2635.29	858.147	829.099	29.048
1998	197604	65295.961	62614.899	2681.062	1.357	4.106	2584.34	854.046	818.898	35.148
1999	211376	67327.521	63896.793	3430.729	1.623	5.096	2727.15	868.771	824.391	44.380
2000	208558	67596.897	63606.898	3989.999	1.913	5.903	2657.28	861.419	810.427	50.993
2001	203686	67008.811	62447.078	4561.732	2.240	6.808	2566.29	844.458	786.787	57.672
2002	200928	67067.744	61860.533	5207.211	2.592	7.764	2506.60	836.925	771.718	65.206
2003	196474	66756.217	60979.171	5777.046	2.940	8.654	2427.95	825.244	753.555	71.689
2004	188304	65058.725	58821.319	6237.406	3.312	9.587	2303.59	796.234	719.581	76.653
2005	186587	65214.724	58357.622	6857.102	3.675	10.515	2257.17	789.321	705.959	83.362
2006	180284	63771.146	56466.750	7304.396	4.052	11.454	2161.70	765.117	677.067	88.050
2007	175866	63110.718	55357.222	7753.496	4.409	12.286	2087.52	749.650	657.088	92.562
2008	177829	63718.624	55289.456	8429.168	4.740	13.229	2087.75	748.674	649.110	99.564
2009	173093	62794.698	53957.594	8837.104	5.105	14.073	2009.06	729.515	626.276	103.239
2010	170809	61917.074	52681.449	9235.624	5.407	14.916	1959.63	711.083	604.393	106.690
2011	170663	61680.114	51855.377	9824.737	5.757	15.929	1939.30	701.700	589.252	112.448
2012	171821	62023.127	51580.999	10442.13	6.077	16.836	1932.26	698.386	580.067	118.319
2013	173146	62037.765	51008.482	11029.28	6.370	17.778	1926.02	691.059	567.401	123.657
2014	174665	61921.017	50263.695	11657.32	6.674	18.826	1921.34	682.195	552.909	129.286
2015	177910	61856.204	49696.620	12159.58	6.835	19.658	2187.20	761.899	610.966	150.933
2016	177457	60464.119	47893.765	12570.35	7.084	20.790	2160.48	737.655	583.092	154.563
2017	179976	60243.839	47100.633	13143.21	7.303	21.817	2170.05	728.017	567.913	160.103
2018	177873	60713.327	47091.502	13621.82	7.658	22.436	2123.94	726.721	562.308	164.413
2019	180013	61148.172	46871.897	14276.27	7.931	23.347	2128.29	724.841	554.166	170.675
2020	181327	61149.317	46525.527	14623.79	8.065	23.915	2428.13	821.432	623.017	198.416
2021	179027	58727.786	43883.716	14844.07	8.292	25.276	2379.52	783.216	583.276	199.940
2022	180392	58848.802	43529.568	15319.23	8.492	26.032	2378.96	778.881	574.056	204.825
2023	181699	58816.149	43085.853	15730.30	8.657	26.745	2377.06	772.407	563.667	208.739
2024	182744	58955.232	42735.631	16219.60	8.876	27.512	2371.93	768.316	554.687	213.629
2025	181628	58297.744	41931.085	16366.66	9.011	28.074	2718.67	876.861	627.638	249.223
2026	181602	56469.971	39967.101	16502.87	9.087	29.224	2707.26	846.150	595.815	250.334
2027	180979	56209.427	39325.681	16883.75	9.329	30.037	2686.49	838.883	583.760	255.124
2028	180193	55733.105	38596.534	17136.57	9.510	30.748	2662.95	828.298	570.391	257.907
2029	179310	55145.838	37772.730	17373.11	9.689	31.504	2637.50	815.951	555.604	260.346
2030	175155	53615.097	36389.340	17225.76	9.835	32.129	3046.39	939.056	632.904	306.152
2031	176667	52046.561	34994.357	17052.20	9.652	32.763	3067.64	910.364	607.639	302.725
2032	175152	51582.636	34340.899	17241.74	9.844	33.425	3034.49	900.496	594.953	305.543
2033	173578	50839.758	33591.495	17248.26	9.937	33.927	2999.03	885.375	580.383	304.992
2034	171861	50215.451	32893.679	17321.77	10.079	34.495	2960.34	872.104	566.600	305.504
2035	164576	47773.075	31093.939	16679.14	10.135	34.913	3466.61	1016.05	654.957	361.088
2036	158196	43298.709	27724.203	15574.51	9.845	35.970	3336.09	922.274	584.659	337.616
2037	155580	42241.563	26731.029	15510.53	9.970	36.719	3282.42	900.450	563.972	336.478
2038	152975	41356.353	25957.958	15398.39	10.066	37.233	3226.30	881.531	547.463	334.067
2039	150441	40161.050	24965.535	15195.52	10.101	37.836	3168.68	855.178	525.837	329.340

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2336928	1580465.217	1378116.696	202348.5	8.659	12.803	639.882	433.910	377.347	56.564

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31391.193	20.818	0.048	0.066	631.345	453.901	453.600	0.301
1992	45423	32782.407	32723.227	59.180	0.130	0.181	647.451	467.274	466.430	0.844
1993	46291	33491.183	33374.600	116.583	0.252	0.348	650.517	470.643	469.001	1.641
1994	47018	34074.347	33887.170	187.177	0.398	0.549	650.901	471.719	469.122	2.598
1995	47842	34694.454	34412.670	281.784	0.589	0.812	652.036	472.861	469.008	3.853
1996	48247	35027.269	34641.184	386.085	0.800	1.102	649.017	471.202	465.987	5.215
1997	49041	35590.763	35083.025	507.737	1.035	1.427	650.535	472.153	465.385	6.768
1998	49694	36100.785	35449.713	651.072	1.310	1.803	649.917	472.184	463.623	8.561
1999	48894	35451.030	34677.363	773.666	1.582	2.182	630.828	457.448	447.404	10.043
2000	50346	36447.986	35483.027	964.959	1.917	2.647	641.473	464.474	452.095	12.379
2001	50409	36411.326	35259.216	1152.111	2.286	3.164	635.118	458.863	444.240	14.623
2002	51471	37078.545	35695.057	1383.487	2.688	3.731	642.110	462.696	445.301	17.395
2003	51441	36999.876	35401.511	1598.365	3.107	4.320	635.682	457.395	437.477	19.918
2004	51439	36861.555	35033.111	1828.444	3.555	4.960	629.269	451.138	428.572	22.566
2005	51469	36689.529	34623.807	2065.721	4.014	5.630	622.621	444.069	418.848	25.220
2006	51411	36504.774	34197.534	2307.240	4.488	6.320	616.445	437.979	410.047	27.932
2007	51905	36663.202	34068.110	2595.092	5.000	7.078	616.106	435.498	404.387	31.111
2008	51050	35898.803	33104.956	2793.847	5.473	7.783	599.341	421.800	388.659	33.140
2009	51278	35934.525	32842.815	3091.710	6.029	8.604	595.174	417.468	381.201	36.267
2010	50948	35502.829	32191.123	3311.707	6.500	9.328	584.507	407.730	369.316	38.414
2011	50614	35136.342	31559.429	3576.913	7.067	10.180	575.150	399.726	358.622	41.105
2012	51364	35450.201	31553.872	3896.329	7.586	10.991	577.626	399.173	354.847	44.326
2013	51200	35123.224	30937.490	4185.733	8.175	11.917	569.533	391.249	344.138	47.111
2014	51396	35079.370	30595.026	4484.344	8.725	12.783	565.363	386.476	336.550	49.925
2015	50600	34324.171	29677.342	4646.829	9.184	13.538	622.069	422.780	364.851	57.929
2016	49020	33054.753	28264.232	4790.521	9.773	14.493	596.798	403.264	344.108	59.156
2017	48504	32471.234	27448.190	5023.044	10.356	15.469	584.829	392.399	330.955	61.443
2018	50667	33657.595	28079.658	5577.937	11.009	16.573	604.999	402.871	335.292	67.579
2019	51257	33863.424	27915.888	5947.536	11.603	17.563	606.009	401.412	330.049	71.363
2020	51685	33910.830	27703.752	6207.078	12.010	18.304	692.101	455.532	370.977	84.555
2021	48279	31531.880	25427.693	6104.187	12.644	19.359	641.697	420.521	337.969	82.552
2022	48596	31560.212	25175.831	6384.382	13.138	20.229	640.869	417.708	332.012	85.696
2023	48879	31508.781	24867.235	6641.547	13.588	21.078	639.456	413.791	325.324	88.467
2024	49083	31517.293	24597.575	6919.718	14.098	21.955	637.074	410.740	319.264	91.475
2025	48795	31175.389	24100.398	7074.991	14.499	22.694	730.384	468.912	360.743	108.169
2026	45643	29044.598	22188.932	6855.666	15.020	23.604	680.434	435.206	330.785	104.421
2027	45444	28825.765	21769.013	7056.752	15.529	24.481	674.575	430.203	323.144	107.058
2028	45195	28513.846	21309.235	7204.611	15.941	25.267	667.905	423.769	314.914	108.855
2029	44909	28148.109	20799.700	7348.409	16.363	26.106	660.579	416.486	305.946	110.540
2030	43778	27314.475	19986.296	7328.179	16.739	26.829	761.417	478.407	347.613	130.794
2031	41135	25423.102	18478.419	6944.683	16.883	27.316	714.264	444.684	320.858	123.826
2032	40728	25085.902	18058.266	7027.636	17.255	28.014	705.603	437.933	312.858	125.075
2033	40299	24645.067	17601.978	7043.089	17.477	28.578	696.280	429.194	304.121	125.073
2034	39836	24239.126	17168.557	7070.570	17.749	29.170	686.184	420.967	295.732	125.235
2035	37894	22944.147	16131.756	6812.391	17.977	29.691	798.197	487.980	339.797	148.183
2036	33393	19950.581	13868.080	6082.500	18.215	30.488	704.197	424.953	292.455	132.497
2037	32816	19415.334	13348.898	6066.436	18.486	31.246	692.352	413.871	281.635	132.235
2038	32241	18939.317	12928.018	6011.299	18.645	31.740	679.965	403.701	272.657	131.044
2039	31679	18379.752	12421.327	5958.425	18.809	32.418	667.249	391.373	261.625	129.748

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3253198	398833.796	282649.619	116184.2	3.571	29.131	890.769	109.498	77.393	32.105

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12799.224	57.256	0.059	0.445	1393.01	185.775	184.948	0.827
1992	93721	12662.244	12505.919	156.325	0.167	1.235	1335.88	180.485	178.257	2.229
1993	93680	12730.613	12434.361	296.252	0.316	2.327	1316.45	178.900	174.736	4.164
1994	90834	12495.323	12037.384	457.939	0.504	3.665	1257.47	172.983	166.641	6.342
1995	89702	12365.590	11721.569	644.021	0.718	5.208	1222.54	168.534	159.752	8.782
1996	88292	12290.551	11418.926	871.626	0.987	7.092	1187.69	165.338	153.605	11.732
1997	84786	11719.531	10677.493	1042.038	1.229	8.891	1124.71	155.473	141.640	13.834
1998	82530	11416.794	10175.908	1240.887	1.504	10.869	1079.36	149.327	133.084	16.243
1999	93960	13028.038	11331.718	1696.321	1.805	13.021	1212.26	168.109	146.201	21.908
2000	90066	12426.299	10536.774	1889.525	2.098	15.206	1147.54	158.354	134.251	24.103
2001	86152	11939.281	9821.646	2117.636	2.458	17.737	1085.46	150.461	123.745	26.716
2002	83055	11528.794	9183.124	2345.670	2.824	20.346	1036.12	143.865	114.561	29.305
2003	79351	11048.407	8534.690	2513.717	3.168	22.752	980.588	136.581	105.468	31.113
2004	73917	10375.132	7752.089	2623.042	3.549	25.282	904.255	126.978	94.834	32.144
2005	71714	10051.029	7282.134	2768.895	3.861	27.548	867.537	121.652	88.093	33.559
2006	67624	9542.523	6681.796	2860.727	4.230	29.979	810.848	114.490	80.118	34.371
2007	63583	8936.533	6068.590	2867.943	4.511	32.092	754.725	106.151	72.034	34.117
2008	63262	8944.180	5891.380	3052.800	4.826	34.132	742.712	105.091	69.166	35.925
2009	59846	8390.033	5379.061	3010.972	5.031	35.887	694.617	97.471	62.434	35.037
2010	58116	8157.570	5098.272	3059.298	5.264	37.503	666.740	93.685	58.490	35.195
2011	57487	8035.356	4877.198	3158.158	5.494	39.303	653.250	91.414	55.421	35.992
2012	57543	7970.766	4704.307	3266.459	5.677	40.980	647.117	89.752	52.903	36.848
2013	57213	7743.216	4460.557	3282.659	5.738	42.394	636.417	86.254	49.618	36.636
2014	57699	7774.935	4369.808	3405.127	5.901	43.796	634.703	85.658	48.069	37.589
2015	58575	7722.535	4265.398	3457.137	5.902	44.767	720.116	95.120	52.438	42.682
2016	58855	7600.353	4103.093	3497.261	5.942	46.014	716.545	92.723	49.954	42.770
2017	59220	7470.266	3955.278	3514.989	5.935	47.053	714.400	90.274	47.691	42.584
2018	56299	6907.050	3587.968	3319.082	5.895	48.054	672.256	82.675	42.843	39.832
2019	56126	6732.046	3441.955	3290.091	5.862	48.872	663.579	79.801	40.694	39.106
2020	55572	6429.836	3244.410	3185.426	5.732	49.541	744.163	86.373	43.445	42.928
2021	56573	6562.016	3250.369	3311.647	5.854	50.467	751.935	87.513	43.202	44.312
2022	56126	6352.366	3107.014	3245.352	5.782	51.089	740.170	84.075	40.974	43.101
2023	55654	6134.123	2974.368	3159.755	5.677	51.511	728.094	80.557	38.912	41.645
2024	55104	5922.193	2843.779	3078.414	5.587	51.981	715.217	77.179	36.911	40.268
2025	53645	5504.188	2615.850	2888.338	5.384	52.475	802.974	82.789	39.155	43.634
2026	55661	5641.075	2659.337	2981.738	5.357	52.858	829.778	84.526	39.644	44.882
2027	54597	5426.216	2539.010	2887.206	5.288	53.208	810.448	80.982	37.690	43.292
2028	53502	5197.830	2420.927	2776.903	5.190	53.424	790.673	77.249	35.777	41.472
2029	52400	4973.547	2307.109	2666.438	5.089	53.612	770.755	73.590	33.936	39.654
2030	49914	4450.618	2032.702	2417.916	4.844	54.328	868.139	77.952	35.354	42.598
2031	52469	4555.052	2081.396	2473.657	4.715	54.306	911.067	79.674	36.141	43.533
2032	51171	4349.999	1982.206	2367.793	4.627	54.432	886.529	75.939	34.342	41.598
2033	49884	4147.948	1893.583	2254.365	4.519	54.349	861.884	72.237	32.717	39.520
2034	48589	3966.133	1806.437	2159.696	4.445	54.453	836.955	68.881	31.116	37.765
2035	45032	3289.064	1470.970	1818.094	4.037	55.277	948.538	69.952	30.984	38.968
2036	46903	3313.192	1472.395	1840.798	3.925	55.560	989.118	70.572	31.050	39.521
2037	45400	3117.951	1383.602	1734.349	3.820	55.625	957.845	66.464	29.191	37.273
2038	43939	2949.775	1310.443	1639.332	3.731	55.575	926.682	62.876	27.638	35.238
2039	42534	2766.312	1233.201	1533.111	3.604	55.421	895.882	58.905	25.974	32.931

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1357470	104899.750	73094.278	31805.47	2.343	30.320	371.693	28.800	20.014	8.786

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3189.553	17.510	0.054	0.546	469.694	46.342	46.089	0.253
1992	32560	3218.125	3169.602	48.522	0.149	1.508	464.104	45.871	45.179	0.692
1993	32768	3226.680	3135.259	91.421	0.279	2.833	460.481	45.344	44.059	1.285
1994	33006	3277.266	3132.565	144.700	0.438	4.415	456.919	45.370	43.366	2.004
1995	33731	3309.378	3102.921	206.458	0.612	6.239	459.722	45.104	42.289	2.815
1996	33752	3312.987	3034.379	278.608	0.825	8.410	454.030	44.568	40.818	3.750
1997	33703	3267.066	2919.970	347.096	1.030	10.624	447.073	43.341	38.734	4.607
1998	33279	3178.725	2765.671	413.054	1.241	12.994	435.234	41.577	36.170	5.406
1999	33898	3120.351	2641.354	478.997	1.413	15.351	437.351	40.264	34.079	6.185
2000	33837	3142.808	2584.067	558.742	1.651	17.778	431.118	40.050	32.924	7.126
2001	32518	2961.588	2363.604	597.985	1.839	20.191	409.704	37.323	29.780	7.543
2002	32093	2940.627	2268.655	671.972	2.094	22.851	400.368	36.695	28.302	8.394
2003	30586	2819.545	2107.031	712.514	2.330	25.271	377.971	34.855	26.038	8.818
2004	29410	2730.466	1973.787	756.678	2.573	27.712	359.777	33.417	24.146	9.271
2005	27979	2670.510	1873.138	797.372	2.850	29.858	338.460	32.322	22.660	9.663
2006	27230	2623.285	1783.737	839.549	3.083	32.004	326.497	31.474	21.388	10.086
2007	26334	2536.599	1675.904	860.696	3.268	33.931	312.585	30.131	19.893	10.238
2008	26035	2469.443	1586.082	883.362	3.393	35.772	305.653	29.015	18.621	10.394
2009	25080	2386.945	1493.101	893.844	3.564	37.447	291.104	27.730	17.330	10.400
2010	24885	2329.274	1421.604	907.670	3.647	38.968	285.501	26.750	16.309	10.441
2011	24843	2286.581	1358.717	927.864	3.735	40.579	282.300	26.013	15.440	10.574
2012	24556	2243.311	1298.437	944.874	3.848	42.120	276.152	25.260	14.602	10.658
2013	24513	2176.503	1227.879	948.625	3.870	43.585	272.676	24.245	13.659	10.586
2014	25367	2211.619	1218.421	993.198	3.915	44.908	279.042	24.366	13.403	10.963
2015	26398	2237.016	1211.989	1025.026	3.883	45.821	324.529	27.554	14.900	12.654
2016	26825	2229.057	1185.432	1043.625	3.890	46.819	326.590	27.194	14.432	12.762
2017	27718	2221.649	1161.630	1060.019	3.824	47.713	334.208	26.848	14.006	12.841
2018	25358	1939.420	998.967	940.453	3.709	48.491	302.788	23.214	11.928	11.286
2019	25540	1904.400	965.292	939.107	3.677	49.313	301.965	22.574	11.413	11.162
2020	25500	1806.054	903.347	902.707	3.540	49.982	341.472	24.261	12.097	12.165
2021	25580	1748.172	859.189	888.984	3.475	50.852	339.989	23.314	11.420	11.894
2022	25680	1701.148	825.720	875.428	3.409	51.461	338.666	22.515	10.889	11.626
2023	25772	1652.087	795.756	856.330	3.323	51.833	337.161	21.696	10.410	11.286
2024	25821	1597.127	761.617	835.510	3.236	52.313	335.140	20.814	9.885	10.929
2025	25431	1467.622	692.445	775.178	3.048	52.819	380.666	22.075	10.365	11.710
2026	25665	1390.505	651.352	739.153	2.880	53.157	382.603	20.835	9.710	11.125
2027	25458	1342.095	623.803	718.293	2.821	53.520	377.906	20.030	9.260	10.770
2028	25225	1289.536	596.596	692.940	2.747	53.736	372.787	19.165	8.817	10.348
2029	24980	1242.216	572.031	670.185	2.683	53.951	367.430	18.380	8.414	9.966
2030	24180	1096.803	497.164	599.640	2.480	54.672	420.553	19.210	8.647	10.563
2031	24197	1019.991	462.309	557.681	2.305	54.675	420.155	17.841	8.027	9.813
2032	23858	977.406	441.692	535.714	2.245	54.810	413.337	17.063	7.652	9.411
2033	23510	937.450	424.039	513.410	2.184	54.767	406.195	16.326	7.326	8.999
2034	23137	900.763	406.093	494.670	2.138	54.917	398.547	15.644	6.995	8.649
2035	21996	745.023	331.817	413.207	1.879	55.462	463.327	15.845	6.989	8.856
2036	21169	680.360	299.783	380.576	1.798	55.938	446.425	14.492	6.322	8.170
2037	20666	644.109	283.306	360.803	1.746	56.016	436.016	13.730	5.977	7.753
2038	20163	612.448	269.385	343.063	1.701	56.015	425.253	13.055	5.681	7.373
2039	19669	577.529	255.069	322.461	1.639	55.835	414.274	12.298	5.372	6.925

Results for PHIM for Run 2 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.4 Dual:0.7
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2172014	862051.244	690801.300	171249.9	7.884	19.865	594.726	236.673	189.151	47.522

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11590.960	11.972	0.045	0.103	383.818	167.661	167.488	0.173
1992	26828	11831.375	11799.396	31.979	0.119	0.270	382.401	168.642	168.186	0.456
1993	29774	13246.371	13177.564	68.807	0.231	0.519	418.407	186.148	185.180	0.968
1994	29805	13355.662	13247.364	108.298	0.363	0.811	412.605	184.893	183.392	1.502
1995	29756	13397.439	13236.082	161.357	0.542	1.204	405.546	182.598	180.394	2.204
1996	30902	13960.356	13736.810	223.545	0.723	1.601	415.691	187.801	184.785	3.015
1997	31131	14109.552	13821.087	288.466	0.927	2.044	412.967	187.180	183.340	3.839
1998	32101	14599.657	14223.608	376.049	1.171	2.576	419.830	190.958	186.021	4.937
1999	34624	15728.102	15246.358	481.745	1.391	3.063	446.713	202.950	196.707	6.243
2000	34309	15579.803	15003.031	576.772	1.681	3.702	437.143	198.541	191.156	7.385
2001	34606	15696.614	15002.613	694.001	2.005	4.421	436.008	197.812	189.022	8.790
2002	34309	15519.777	14713.696	806.081	2.350	5.194	428.004	193.668	183.555	10.113
2003	35097	15888.389	14935.939	952.450	2.714	5.995	433.708	196.413	184.572	11.841
2004	33539	15091.573	14062.332	1029.241	3.069	6.820	410.288	184.701	172.029	12.672
2005	35426	15803.656	14578.543	1225.113	3.458	7.752	428.547	191.278	176.358	14.920
2006	34019	15100.563	13803.684	1296.879	3.812	8.588	407.909	181.174	165.514	15.661
2007	34045	14974.384	13544.618	1429.766	4.200	9.548	404.108	177.871	160.774	17.097
2008	37482	16406.197	14707.038	1699.160	4.533	10.357	440.044	192.768	172.664	20.104
2009	36890	16083.194	14242.616	1840.578	4.989	11.444	428.170	186.846	165.311	21.534
2010	36860	15927.400	13970.451	1956.950	5.309	12.287	422.877	182.917	160.277	22.640
2011	37718	16221.836	14060.033	2161.803	5.731	13.327	428.604	184.547	159.769	24.777
2012	38358	16358.849	14024.384	2334.465	6.086	14.270	431.363	184.202	157.715	26.487
2013	40220	16994.822	14382.556	2612.266	6.495	15.371	447.391	189.311	159.987	29.324
2014	40202	16855.093	14080.440	2774.654	6.902	16.462	442.233	185.696	154.887	30.808
2015	42337	17572.483	14541.891	3030.592	7.158	17.246	520.490	216.445	178.777	37.668
2016	42757	17579.955	14341.009	3238.946	7.575	18.424	520.548	214.473	174.597	39.876
2017	44535	18080.688	14535.534	3545.154	7.960	19.607	536.974	218.496	175.261	43.235
2018	45550	18209.262	14424.909	3784.353	8.300	20.783	543.898	217.960	172.244	45.715
2019	47089	18648.302	14548.761	4099.541	8.706	21.983	556.738	221.054	172.010	49.044
2020	48570	19002.597	14674.018	4328.579	8.912	22.779	650.392	255.266	196.498	58.768
2021	48595	18885.717	14346.465	4539.252	9.341	24.035	645.896	251.867	190.684	61.183
2022	49990	19235.076	14421.004	4814.072	9.630	25.028	659.258	254.582	190.180	64.401
2023	51393	19521.158	14448.494	5072.664	9.870	25.985	672.347	256.363	189.021	67.341
2024	52737	19918.620	14532.660	5385.960	10.213	27.040	684.495	259.583	188.627	70.957
2025	53756	20150.545	14522.392	5628.153	10.470	27.931	804.641	303.086	217.376	85.710
2026	54633	20393.792	14467.480	5926.312	10.848	29.059	814.447	305.582	215.676	89.906
2027	55480	20615.351	14393.855	6221.497	11.214	30.179	823.561	307.668	213.666	94.003
2028	56271	20731.894	14269.777	6462.117	11.484	31.170	831.583	308.115	210.883	97.232
2029	57021	20781.967	14093.890	6688.077	11.729	32.182	838.735	307.495	207.309	100.186
2030	57282	20753.201	13873.178	6880.023	12.011	33.152	996.279	363.487	241.290	122.197
2031	58867	21048.417	13972.234	7076.183	12.021	33.619	1022.15	368.165	242.613	125.552
2032	59396	21169.329	13858.735	7310.594	12.308	34.534	1029.03	369.560	240.101	129.459
2033	59885	21109.293	13671.895	7437.399	12.420	35.233	1034.67	367.618	236.219	131.400
2034	60298	21109.429	13512.592	7596.836	12.599	35.988	1038.65	366.613	232.757	133.856
2035	59654	20794.840	13159.396	7635.444	12.800	36.718	1256.54	442.268	277.187	165.081
2036	56730	19354.577	12083.945	7270.632	12.816	37.565	1196.35	412.258	254.831	157.427
2037	56698	19064.169	11715.223	7348.946	12.962	38.548	1196.21	406.385	247.168	159.217
2038	56632	18854.812	11450.111	7404.701	13.075	39.272	1194.40	401.900	241.487	160.412
2039	56559	18437.457	11055.938	7381.519	13.051	40.035	1191.27	392.602	232.866	159.736

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Control File Details for Run: 3

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_1
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 3, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 3, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation		Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.001921	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.002360	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000188	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000093	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000047	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.002944	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.004193	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000412	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000578	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000218	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.003449	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.004264	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.001965	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000671	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000332	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.003294	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.004442	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000059	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.001351	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000661	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.002198	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.003788	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000304	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000239	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000119	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 3, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 3, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	11508	12.47	0	0.00			
5	All Ages	Ecig	15517	16.81					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26897	29.14			15.19	1705	6.34
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	320	9.03	0	0.00			
5	18-19	Ecig	659	18.59					
5	18-19	Dual	0	0.00					
5	18-19	Former	117	3.30			1.11	80	68.38
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	946	10.46	0	0.00			
5	20-24	Ecig	1826	20.20					
5	20-24	Dual	0	0.00					
5	20-24	Former	481	5.32			2.81	142	29.52
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	1942	19.78					
5	25-29	Dual	0	0.00					
5	25-29	Former	1148	11.70			5.43	115	10.02
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

5	30-34	Never Any	5065	47.50					
5	30-34	CC	1480	13.88	0	0.00			
5	30-34	Ecig	2319	21.75					
5	30-34	Dual	0	0.00					
5	30-34	Former	1800	16.88			6.94	106	5.89
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2275	20.84					
5	35-39	Dual	0	0.00					
5	35-39	Former	2421	22.18			8.20	114	4.71
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1894	19.15					
5	40-44	Dual	0	0.00					
5	40-44	Former	2774	28.05			12.06	130	4.69
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1562	18.05					
5	45-49	Dual	0	0.00					
5	45-49	Former	2945	34.03			14.20	148	5.03
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	1015	15.58					
5	50-54	Dual	0	0.00					
5	50-54	Former	2641	40.54			15.98	175	6.63
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	762	13.91					
5	55-59	Dual	0	0.00					
5	55-59	Former	2364	43.16			17.21	122	5.16
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	572	11.48					
5	60-64	Dual	0	0.00					
5	60-64	Former	2477	49.71			17.27	143	5.77
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	360	7.34					
5	65-69	Dual	0	0.00					
5	65-69	Former	2899	59.10			20.44	196	6.76
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	196	4.47					
5	70-74	Dual	0	0.00					
5	70-74	Former	2730	62.23			22.00	137	5.02
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	135	3.86					
5	75-79	Dual	0	0.00					
5	75-79	Former	2100	60.02			23.02	97	4.62
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	4843	5.15	0	0.00			
10	All Ages	Ecig	20724	22.03					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29348	31.19			16.84	1724	5.87
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	462	5.22	0	0.00			
10	20-24	Ecig	2544	28.76					
10	20-24	Dual	0	0.00					
10	20-24	Former	912	10.31			3.41	258	28.29
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	404	4.47	0	0.00			
10	25-29	Ecig	2359	26.10					
10	25-29	Dual	0	0.00					
10	25-29	Former	936	10.35			4.91	195	20.83
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	481	4.90	0	0.00			
10	30-34	Ecig	2608	26.57					
10	30-34	Dual	0	0.00					
10	30-34	Former	1451	14.78			8.66	118	8.13
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	2980	27.94					
10	35-39	Dual	0	0.00					
10	35-39	Former	2078	19.49			10.61	109	5.25
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	2857	26.17					
10	40-44	Dual	0	0.00					
10	40-44	Former	2768	25.36			11.82	124	4.48
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2312	23.38					
10	45-49	Dual	0	0.00					
10	45-49	Former	3152	31.87			15.25	163	5.17
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	1859	21.48					
10	50-54	Dual	0	0.00					
10	50-54	Former	3411	39.41			16.85	186	5.45
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1194	18.33					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		3039	46.65			18.50	146	4.80
10	60-64	Never Any		1611	29.41					
10	60-64	CC		306	5.59	0	0.00			
10	60-64	Ecig		852	15.56					
10	60-64	Dual		0	0.00					
10	60-64	Former		2708	49.44			19.63	144	5.32
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		244	4.90	0	0.00			
10	65-69	Ecig		603	12.10					
10	65-69	Dual		0	0.00					
10	65-69	Former		2799	56.17			19.95	120	4.29
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		236	4.81	0	0.00			
10	70-74	Ecig		327	6.67					
10	70-74	Dual		0	0.00					
10	70-74	Former		3173	64.69			23.44	94	2.96
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		214	4.88	0	0.00			
10	75-79	Ecig		229	5.22					
10	75-79	Dual		0	0.00					
10	75-79	Former		2921	66.58			25.38	67	2.29
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		1911	2.13	0	0.00			
15	All Ages	Ecig		20003	22.30					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		30342	33.82			18.46	1574	5.19
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		179	2.02	0	0.00			
15	25-29	Ecig		2661	30.08					
15	25-29	Dual		0	0.00					
15	25-29	Former		1371	15.50			6.32	174	12.69
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		153	1.69	0	0.00			
15	30-34	Ecig		2479	27.42					
15	30-34	Dual		0	0.00					
15	30-34	Former		1366	15.11			7.38	171	12.52
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		188	1.92	0	0.00			

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15	35-39	Ecig	2654	27.04					
15	35-39	Dual	0	0.00					
15	35-39	Former	1811	18.45			11.33	147	8.12
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	2948	27.64					
15	40-44	Dual	0	0.00					
15	40-44	Former	2488	23.33			13.32	199	8.00
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	2793	25.59					
15	45-49	Dual	0	0.00					
15	45-49	Former	3183	29.16			14.88	160	5.03
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	2180	22.04					
15	50-54	Dual	0	0.00					
15	50-54	Former	3555	35.95			18.19	154	4.33
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	1781	20.58					
15	55-59	Dual	0	0.00					
15	55-59	Former	3747	43.29			20.09	117	3.12
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	1100	16.88					
15	60-64	Dual	0	0.00					
15	60-64	Former	3353	51.47			21.47	156	4.65
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	705	12.87					
15	65-69	Dual	0	0.00					
15	65-69	Former	3037	55.45			22.19	118	3.89
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	441	8.85					
15	70-74	Dual	0	0.00					
15	70-74	Former	3076	61.73			22.89	112	3.64
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	261	5.32					
15	75-79	Dual	0	0.00					
15	75-79	Former	3355	68.40			27.01	66	1.97
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	738	0.87	0	0.00			
20	All Ages	Ecig	17076	20.14					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	30883	36.42			19.82	1518	4.92
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	71	0.80	0	0.00			
20	30-34	Ecig	2376	26.86					
20	30-34	Dual	0	0.00					
20	30-34	Former	1890	21.37			8.72	230	12.17
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	59	0.65	0	0.00			
20	35-39	Ecig	2154	23.83					
20	35-39	Dual	0	0.00					
20	35-39	Former	1836	20.31			9.77	141	7.68
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2416	24.61					
20	40-44	Dual	0	0.00					
20	40-44	Former	2169	22.10			13.96	143	6.59
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	2619	24.56					
20	45-49	Dual	0	0.00					
20	45-49	Former	2959	27.75			15.74	171	5.78
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2490	22.81					
20	50-54	Dual	0	0.00					
20	50-54	Former	3615	33.12			17.75	174	4.81
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	1859	18.80					
20	55-59	Dual	0	0.00					
20	55-59	Former	4004	40.49			20.81	181	4.52
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1428	16.50					
20	60-64	Dual	0	0.00					
20	60-64	Former	4228	48.85			22.41	241	5.70
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	809	12.42					
20	65-69	Dual	0	0.00					
20	65-69	Former	3727	57.21			24.03	133	3.57
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	574	10.48					
20	70-74	Dual	0	0.00					
20	70-74	Former	3223	58.85			25.75	61	1.89
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	351	7.04					
20	75-79	Dual	0	0.00					
20	75-79	Former	3232	64.86			26.66	43	1.33
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	289	0.36	0	0.00			
25	All Ages	Ecig	14107	17.67					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	30674	38.43			21.87	1088	3.55
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	28	0.32	0	0.00			
25	35-39	Ecig	1990	22.50					
25	35-39	Dual	0	0.00					
25	35-39	Former	2338	26.43			11.53	142	6.07
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	20	0.22	0	0.00			
25	40-44	Ecig	1897	20.98					
25	40-44	Dual	0	0.00					

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25	40-44	Former	2132	23.58			13.01	112	5.25
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5163	52.60					
25	45-49	CC	29	0.30	0	0.00			
25	45-49	Ecig	2195	22.36					
25	45-49	Dual	0	0.00					
25	45-49	Former	2429	24.75			17.18	81	3.33
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4997	46.86					
25	50-54	CC	37	0.35	0	0.00			
25	50-54	Ecig	2387	22.38					
25	50-54	Dual	0	0.00					
25	50-54	Former	3243	30.41			19.10	130	4.01
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4724	43.28					
25	55-59	CC	33	0.30	0	0.00			
25	55-59	Ecig	2103	19.27					
25	55-59	Dual	0	0.00					
25	55-59	Former	4056	37.16			20.50	162	3.99
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	28	0.28	0	0.00			
25	60-64	Ecig	1443	14.59					
25	60-64	Dual	0	0.00					
25	60-64	Former	4477	45.27			23.28	205	4.58
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	43	0.50	0	0.00			
25	65-69	Ecig	1019	11.77					
25	65-69	Dual	0	0.00					
25	65-69	Former	4681	54.08			24.99	134	2.86
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	35	0.54	0	0.00			
25	70-74	Ecig	616	9.46					
25	70-74	Dual	0	0.00					
25	70-74	Former	3945	60.55			27.55	70	1.77
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	36	0.66	0	0.00			
25	75-79	Ecig	457	8.34					
25	75-79	Dual	0	0.00					
25	75-79	Former	3373	61.58			29.48	52	1.54
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	33136	44.57					
30	All Ages	CC	100	0.13	0	0.00			
30	All Ages	Ecig	11358	15.28					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	29746	40.01			23.97	918	3.09
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	12	0.14	0	0.00			
30	40-44	Ecig	1743	19.71					
30	40-44	Dual	0	0.00					
30	40-44	Former	2601	29.41			15.05	107	4.11
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	5	0.06	0	0.00			
30	45-49	Ecig	1690	18.69					
30	45-49	Dual	0	0.00					
30	45-49	Former	2354	26.04			16.54	63	2.68
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	2021	20.59					
30	50-54	Dual	0	0.00					
30	50-54	Former	2623	26.72			20.66	99	3.77
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	2002	18.77					
30	55-59	Dual	0	0.00					
30	55-59	Former	3647	34.20			21.65	157	4.30
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	1614	14.79					
30	60-64	Dual	0	0.00					
30	60-64	Former	4568	41.85			22.87	203	4.44
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	1039	10.51					
30	65-69	Dual	0	0.00					
30	65-69	Former	4896	49.51			26.05	145	2.96
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	770	8.90					
30	70-74	Dual	0	0.00					
30	70-74	Former	4955	57.25			28.45	93	1.88
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	479	7.35					
30	75-79	Dual	0	0.00					
30	75-79	Former	4102	62.96			31.39	51	1.24
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	38	0.06	0	0.00			
35	All Ages	Ecig	8864	13.07					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	27706	40.85			25.87	785	2.83
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	7	0.08	0	0.00			
35	45-49	Ecig	1541	17.42					
35	45-49	Dual	0	0.00					
35	45-49	Former	2808	31.75			18.76	60	2.14
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	3	0.03	0	0.00			
35	50-54	Ecig	1554	17.19					
35	50-54	Dual	0	0.00					
35	50-54	Former	2492	27.57			20.44	75	3.01
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1664	16.95					
35	55-59	Dual	0	0.00					
35	55-59	Former	2989	30.45			22.76	155	5.19
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	1532	14.37					
35	60-64	Dual	0	0.00					
35	60-64	Former	4126	38.69			23.79	186	4.51
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	1169	10.71					
35	65-69	Dual	0	0.00					
35	65-69	Former	5018	45.97			25.57	158	3.15
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	811	8.20					
35	70-74	Dual	0	0.00					
35	70-74	Former	5132	51.90			29.73	79	1.54
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	593	6.85					
35	75-79	Dual	0	0.00					
35	75-79	Former	5141	59.40			32.31	72	1.40
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	15	0.03	0	0.00			
40	All Ages	Ecig	6535	11.04					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	24315	41.09			27.43	691	2.84
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	30-34	Never Any		0	.				0	.
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 55-59										
40	50-54	Never Any		4489	50.75					
40	50-54	CC		3	0.03	0	0.00			
40	50-54	Ecig		1392	15.74					
40	50-54	Dual		0	0.00					
40	50-54	Former		2961	33.48			22.61	80	2.70
Year of Follow-up: 2030, Age Group: 60-64										
40	55-59	Never Any		4991	55.21					
40	55-59	CC		2	0.02	0	0.00			
40	55-59	Ecig		1291	14.28					
40	55-59	Dual		0	0.00					
40	55-59	Former		2756	30.49			23.19	114	4.14
Year of Follow-up: 2030, Age Group: 65-69										
40	60-64	Never Any		5163	52.60					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		1238	12.61					
40	60-64	Dual		0	0.00					
40	60-64	Former		3415	34.79			24.53	183	5.36
Year of Follow-up: 2030, Age Group: 70-74										
40	65-69	Never Any		4997	46.86					
40	65-69	CC		4	0.04	0	0.00			
40	65-69	Ecig		1119	10.49					
40	65-69	Dual		0	0.00					
40	65-69	Former		4544	42.61			26.35	136	2.99
Year of Follow-up: 2030, Age Group: 75-79										
40	70-74	Never Any		4724	43.28					
40	70-74	CC		3	0.03	0	0.00			
40	70-74	Ecig		880	8.06					
40	70-74	Dual		0	0.00					
40	70-74	Former		5309	48.64			29.01	95	1.79
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		3941	39.85					
40	75-79	CC		3	0.03	0	0.00			

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40	75-79	Ecig	615	6.22					
40	75-79	Dual	0	0.00					
40	75-79	Former	5330	53.90			33.51	83	1.56
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	6	0.01	0	0.00			
45	All Ages	Ecig	4578	9.29					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	20333	41.26			28.82	538	2.65
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

45	55-59	Never Any	4489	50.75					
45	55-59	CC	2	0.02	0	0.00			
45	55-59	Ecig	1171	13.24					
45	55-59	Dual	0	0.00					
45	55-59	Former	3183	35.99			25.82	100	3.14
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	1020	11.28					
45	60-64	Dual	0	0.00					
45	60-64	Former	3029	33.51			25.81	129	4.26
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	902	9.19					
45	65-69	Dual	0	0.00					
45	65-69	Former	3751	38.21			27.09	106	2.83
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	850	7.97					
45	70-74	Dual	0	0.00					
45	70-74	Former	4816	45.16			29.70	104	2.16
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	635	5.82					
45	75-79	Dual	0	0.00					
45	75-79	Former	5554	50.88			32.60	99	1.78
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	2868	7.48					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	15856	41.33			30.34	408	2.57
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	865	9.78					
50	60-64	Dual	0	0.00					
50	60-64	Former	3491	39.47			28.27	129	3.70
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	705	7.80					
50	65-69	Dual	0	0.00					
50	65-69	Former	3344	36.99			28.11	120	3.59
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	665	6.77					
50	70-74	Dual	0	0.00					
50	70-74	Former	3988	40.63			30.31	80	2.01
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	633	5.94					
50	75-79	Dual	0	0.00					
50	75-79	Former	5033	47.20			33.29	79	1.57

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	2856614.918	1652776	12.570	36.652	3806.31	1305.37	826.928	478.443

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123552.947	446.495	0.143	0.360	4883.81	1933.45	1926.49	6.962
1992	308577	122014.015	120814.764	1199.251	0.389	0.983	4729.73	1870.18	1851.79	18.382
1993	311713	122810.618	120554.604	2256.014	0.724	1.837	4692.62	1848.83	1814.86	33.963
1994	305700	119925.592	116450.703	3474.889	1.137	2.898	4516.19	1771.69	1720.36	51.336
1995	303225	117896.496	112993.274	4903.222	1.617	4.159	4393.80	1708.35	1637.30	71.049
1996	299559	115698.645	109218.297	6480.349	2.163	5.601	4273.16	1650.42	1557.98	92.441
1997	294226	113359.847	105287.828	8072.019	2.743	7.121	4128.67	1590.70	1477.43	113.269
1998	289258	111444.212	101774.972	9669.240	3.343	8.676	3992.19	1538.10	1404.65	133.450
1999	311002	114877.722	101924.420	12953.30	4.165	11.276	4224.60	1560.48	1384.53	175.956
2000	303786	112379.704	97577.455	14802.25	4.873	13.172	4066.21	1504.22	1306.09	198.130
2001	296294	110024.943	93250.230	16774.71	5.662	15.246	3914.28	1453.52	1231.91	221.608
2002	291898	108289.173	89294.516	18994.66	6.507	17.541	3813.00	1414.56	1166.43	248.123
2003	285865	106539.023	85576.545	20962.48	7.333	19.676	3695.36	1377.22	1106.24	270.980
2004	274177	103037.251	80635.435	22401.82	8.171	21.741	3506.10	1317.61	1031.14	286.468
2005	272379	103044.562	78568.549	24476.01	8.986	23.753	3442.69	1302.41	993.054	309.360
2006	264118	99672.555	73422.734	26249.82	9.939	26.336	3307.76	1248.28	919.531	328.747
2007	258419	97839.152	70098.169	27740.98	10.735	28.354	3203.20	1212.75	868.892	343.860
2008	259461	98075.852	68443.911	29631.94	11.421	30.213	3180.09	1202.07	838.886	363.185
2009	253907	95617.338	64658.682	30958.66	12.193	32.378	3075.31	1158.11	783.144	374.970
2010	251878	94607.988	62155.127	32452.86	12.884	34.302	3013.72	1131.98	743.686	388.298
2011	251779	93633.119	59363.942	34269.18	13.611	36.599	2982.76	1109.25	703.270	405.979
2012	252643	92775.175	56721.337	36053.84	14.271	38.862	2960.61	1087.19	664.691	422.498
2013	256175	92345.780	54463.985	37881.79	14.787	41.022	2967.76	1069.82	630.959	438.857
2014	257393	91379.215	51961.698	39417.52	15.314	43.136	2947.05	1046.26	594.941	451.315
2015	259782	90750.242	49937.651	40812.59	15.710	44.972	3346.10	1168.90	643.218	525.683
2016	261453	88811.996	46563.415	42248.58	16.159	47.571	3336.15	1133.24	594.151	539.094
2017	263685	87325.126	43822.789	43502.34	16.498	49.817	3333.85	1104.08	554.065	550.014
2018	258714	87612.144	42900.765	44711.38	17.282	51.033	3240.73	1097.46	537.388	560.068
2019	261438	87797.760	41397.987	46399.77	17.748	52.848	3242.99	1089.08	513.519	575.563
2020	262288	87221.042	39822.614	47398.43	18.071	54.343	3715.29	1235.48	564.084	671.395
2021	255079	82001.292	35090.341	46910.95	18.391	57.208	3587.82	1153.39	493.563	659.826
2022	257097	81915.977	33455.320	48460.66	18.849	59.159	3588.53	1143.37	466.966	676.409
2023	259080	81810.810	31849.675	49961.14	19.284	61.069	3586.88	1132.64	440.949	691.696
2024	260719	81528.303	30272.735	51255.57	19.659	62.868	3579.65	1119.38	415.643	703.736
2025	257308	79599.213	28566.385	51032.83	19.833	64.112	4112.08	1272.09	456.524	815.564
2026	251528	75082.462	25016.974	50065.49	19.905	66.681	4003.24	1194.99	398.162	796.826
2027	250988	74444.425	23411.364	51033.06	20.333	68.552	3976.53	1179.46	370.918	808.543
2028	250285	73699.585	21736.178	51963.41	20.762	70.507	3945.35	1161.76	342.637	819.122
2029	249525	72819.703	20151.964	52667.74	21.107	72.326	3910.99	1141.36	315.857	825.500
2030	240528	69309.277	18592.541	50716.74	21.086	73.175	4504.36	1297.95	348.181	949.768
2031	235442	65433.368	16136.330	49297.04	20.938	75.339	4397.65	1222.18	301.399	920.783
2032	234017	64643.552	14860.237	49783.32	21.273	77.012	4356.12	1203.31	276.616	926.692
2033	232559	63793.514	13640.344	50153.17	21.566	78.618	4310.93	1182.54	252.850	929.686
2034	230963	63032.151	12502.378	50529.77	21.878	80.165	4260.75	1162.80	230.641	932.160
2035	215822	57653.301	11310.760	46342.54	21.473	80.381	4924.38	1315.47	258.077	1057.39
2036	208183	52988.733	9107.963	43880.77	21.078	82.812	4748.94	1208.75	207.765	1000.98
2037	205491	52026.921	8174.189	43852.73	21.340	84.289	4682.40	1185.50	186.260	999.243
2038	202834	50943.211	7265.698	43677.51	21.534	85.738	4612.18	1158.38	165.213	993.171
2039	200251	50085.991	6491.129	43594.86	21.770	87.040	4538.65	1135.19	147.120	988.071

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1663881.390	581106.7	18.953	25.885	887.537	649.875	481.658	168.218

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62867.864	50.538	0.064	0.080	1223.41	981.049	980.261	0.788
1992	77987	62366.766	62230.688	136.078	0.174	0.218	1195.35	955.930	953.844	2.086
1993	78542	62652.888	62384.672	268.216	0.341	0.428	1182.39	943.195	939.157	4.038
1994	77437	61565.227	61141.270	423.957	0.547	0.689	1144.00	909.520	903.257	6.263
1995	76904	60851.961	60234.465	617.496	0.803	1.015	1114.36	881.759	872.811	8.948
1996	76232	60122.922	59261.097	861.824	1.131	1.433	1087.44	857.643	845.349	12.294
1997	75473	59237.155	58111.669	1125.486	1.491	1.900	1059.06	831.234	815.441	15.793
1998	75381	58906.696	57454.311	1452.385	1.927	2.466	1040.37	813.001	792.955	20.045
1999	73159	56930.073	55154.606	1775.467	2.427	3.119	993.781	773.329	749.212	24.118
2000	73784	57137.121	54938.811	2198.310	2.979	3.847	987.608	764.787	735.363	29.425
2001	73294	56481.726	53806.700	2675.027	3.650	4.736	968.273	746.169	710.830	35.339
2002	72442	55588.365	52409.108	3179.258	4.389	5.719	946.293	726.138	684.608	41.530
2003	71942	54945.856	51206.020	3739.837	5.198	6.806	929.989	710.281	661.936	48.345
2004	71301	54203.126	49846.005	4357.121	6.111	8.039	911.778	693.135	637.417	55.718
2005	70964	53744.603	48743.701	5000.902	7.047	9.305	896.937	679.296	616.088	63.208
2006	69658	52535.572	46856.966	5678.605	8.152	10.809	872.383	657.945	586.827	71.118
2007	68565	51492.124	45140.298	6351.826	9.264	12.336	849.888	638.264	559.530	78.733
2008	68226	51030.736	43858.818	7171.918	10.512	14.054	836.215	625.460	537.557	87.903
2009	67509	50276.199	42282.418	7993.781	11.841	15.900	817.667	608.943	512.123	96.820
2010	67196	49840.933	41019.119	8821.814	13.128	17.700	804.000	596.347	490.794	105.553
2011	66506	49207.841	39337.603	9735.238	14.638	19.838	787.880	581.354	466.023	115.331
2012	66155	48539.512	37820.384	10719.13	16.203	22.083	775.240	568.812	443.200	125.613
2013	65333	47675.741	36075.045	11600.70	17.756	24.332	756.876	552.318	417.926	134.393
2014	65033	47194.534	34674.797	12519.74	19.251	26.528	744.602	540.359	397.013	143.346
2015	64145	46305.842	32976.627	13329.21	20.780	28.785	726.215	526.439	424.753	171.686
2016	61618	44208.867	30390.901	13817.97	22.425	31.256	786.248	564.107	387.789	176.318
2017	59897	42702.624	28330.400	14372.22	23.995	33.657	757.297	539.903	358.190	181.713
2018	62468	44321.202	28133.909	16187.29	25.913	36.523	782.490	555.181	352.414	202.767
2019	63045	44493.088	27086.766	17406.32	27.609	39.121	782.035	551.912	335.996	215.916
2020	63466	44529.551	25984.551	18545.00	29.220	41.647	898.991	630.757	368.069	262.688
2021	57113	39852.556	22150.268	17702.29	30.995	44.419	803.323	560.546	311.555	248.992
2022	57440	39853.685	21017.447	18836.24	32.793	47.263	801.745	556.274	293.359	262.914
2023	57738	39847.050	19887.343	19959.71	34.569	50.091	799.366	551.670	275.334	276.336
2024	57942	39726.010	18763.494	20962.52	36.178	52.768	795.539	545.435	257.622	287.814
2025	57521	39207.348	17563.186	21644.16	37.628	55.204	919.257	626.579	280.680	345.899
2026	51428	34803.960	14664.793	20139.17	39.160	57.865	818.510	553.929	233.400	320.529
2027	51172	34484.595	13582.059	20902.54	40.848	60.614	810.740	546.357	215.187	331.169
2028	50870	34100.638	12471.121	21629.52	42.519	63.428	801.884	537.544	196.588	340.956
2029	50540	33669.838	11432.114	22237.72	44.000	66.046	792.146	527.732	179.184	348.548
2030	49109	32557.688	10401.638	22156.05	45.116	68.052	919.662	609.705	194.791	414.915
2031	43585	28646.393	8484.152	20162.24	46.259	70.383	814.096	535.065	158.469	376.595
2032	43163	28227.160	7698.172	20528.99	47.562	72.728	803.454	525.435	143.298	382.137
2033	42725	27786.623	6954.106	20832.52	48.759	74.973	791.996	515.079	128.908	386.171
2034	42256	27348.299	6275.922	21072.38	49.869	77.052	779.523	504.514	115.777	388.738
2035	39748	25570.077	5562.507	20007.57	50.336	78.246	906.933	583.430	126.919	456.511
2036	34030	21717.319	4150.983	17566.34	51.620	80.886	776.269	495.402	94.690	400.712
2037	33454	21256.024	3663.632	17592.39	52.587	82.764	762.289	484.347	83.481	400.866
2038	32883	20747.175	3199.358	17547.82	53.364	84.579	747.720	471.764	72.749	399.015
2039	32325	20327.688	2813.771	17513.92	54.181	86.158	732.644	460.724	63.774	396.950

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6360041	1098877.421	476566.196	622311.2	9.785	56.632	1841.09	318.101	137.956	180.146

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36979.259	330.579	0.197	0.886	2620.21	581.750	576.596	5.155
1992	164548	36137.488	35246.000	891.488	0.542	2.467	2522.12	553.899	540.235	13.664
1993	164362	35599.588	33946.271	1653.317	1.006	4.644	2474.35	535.926	511.037	24.890
1994	159866	34336.757	31808.860	2527.897	1.581	7.362	2361.75	507.267	469.921	37.345
1995	158083	33455.759	29915.129	3540.630	2.240	10.583	2290.66	484.782	433.477	51.305
1996	154875	32193.824	27575.456	4618.369	2.982	14.346	2209.26	459.239	393.359	65.880
1997	149970	30665.509	24999.792	5665.718	3.778	18.476	2104.43	430.308	350.805	79.503
1998	145407	29188.430	22539.620	6648.810	4.573	22.779	2006.83	402.844	311.080	91.764
1999	165952	33375.386	24112.583	9262.803	5.582	27.753	2254.27	453.366	327.542	125.824
2000	160260	32024.754	21638.548	10386.21	6.481	32.432	2145.10	428.655	289.635	139.021
2001	154444	30682.393	19131.991	11550.40	7.479	37.645	2040.33	405.339	252.749	152.590
2002	151887	30218.370	17301.832	12916.54	8.504	42.744	1984.06	394.736	226.010	168.726
2003	146733	29175.202	15248.232	13926.97	9.491	47.736	1896.81	377.146	197.113	180.033
2004	138381	27488.687	13038.979	14449.71	10.442	52.566	1769.58	351.518	166.739	184.779
2005	135881	27017.439	11630.228	15387.21	11.324	56.953	1717.44	341.482	146.998	194.484
2006	131922	26231.435	10045.441	16185.99	12.269	61.705	1652.16	328.517	125.807	202.710
2007	126502	25103.049	8582.641	16520.41	13.059	65.810	1568.04	311.161	106.385	204.776
2008	125859	24621.740	7583.940	17037.80	13.537	69.198	1542.60	301.777	92.953	208.824
2009	122428	23741.177	6540.958	17200.22	14.049	72.449	1482.84	287.552	79.224	208.328
2010	120537	23189.160	5717.460	17471.70	14.495	75.344	1442.22	277.458	68.409	209.049
2011	120221	22786.927	4950.478	17836.45	14.836	78.275	1424.23	269.951	58.647	211.304
2012	120927	22485.295	4329.406	18155.89	15.014	80.746	1417.09	263.495	50.734	212.760
2013	122648	22251.884	3807.095	18444.79	15.039	82.891	1420.86	257.786	44.105	213.681
2014	123229	21894.593	3323.136	18571.46	15.071	84.822	1410.92	250.685	38.049	212.636
2015	123774	21471.109	2909.966	18561.14	14.996	86.447	1594.26	276.557	37.482	239.075
2016	126218	21411.568	2519.178	18892.39	14.968	88.235	1610.55	273.213	32.145	241.068
2017	128265	21169.399	2189.175	18980.22	14.798	89.659	1621.69	267.651	27.678	239.973
2018	121429	19830.576	1750.180	18080.40	14.890	91.174	1521.05	248.404	21.923	226.480
2019	121832	19431.014	1508.386	17922.63	14.711	92.237	1511.26	241.031	18.711	222.320
2020	120811	18532.612	1279.520	17253.09	14.281	93.096	1711.27	262.513	18.124	244.389
2021	119407	18234.128	1054.484	17179.64	14.388	94.217	1679.51	256.472	14.832	241.640
2022	119438	17812.559	884.051	16928.51	14.173	95.037	1667.10	248.626	12.339	236.286
2023	119445	17361.668	732.450	16629.22	13.922	95.781	1653.68	240.367	10.141	230.226
2024	119305	16929.676	616.463	16313.21	13.674	96.359	1638.05	232.443	8.464	223.979
2025	115685	15501.666	505.852	14995.81	12.963	96.737	1848.78	247.735	8.084	239.650
2026	115073	15523.814	410.429	15113.39	13.134	97.356	1831.46	247.072	6.532	240.540
2027	113989	15073.070	340.359	14732.71	12.925	97.742	1805.98	238.810	5.392	233.418
2028	112855	14636.710	273.564	14363.15	12.727	98.131	1778.98	230.725	4.312	226.413
2029	111718	14180.166	221.619	13958.55	12.494	98.437	1751.04	222.256	3.474	218.783
2030	104851	12111.772	179.027	11932.74	11.381	98.522	1963.54	226.816	3.353	223.464
2031	105289	12417.367	150.914	12266.45	11.650	98.785	1966.62	231.935	2.819	229.116
2032	103879	12054.064	127.074	11926.99	11.482	98.946	1933.67	224.381	2.365	222.015
2033	102485	11672.389	100.261	11572.13	11.291	99.141	1899.76	216.370	1.859	214.512
2034	101070	11365.762	81.063	11284.70	11.165	99.287	1864.51	209.673	1.495	208.177
2035	90820	8580.360	64.810	8515.550	9.376	99.245	2072.23	195.777	1.479	194.299
2036	92117	8948.841	52.548	8896.293	9.658	99.413	2101.31	204.135	1.199	202.937
2037	90327	8624.570	45.460	8579.110	9.498	99.473	2058.21	196.522	1.036	195.486
2038	88590	8315.017	37.008	8278.009	9.344	99.555	2014.42	189.073	0.842	188.231
2039	86921	8001.132	27.296	7973.835	9.174	99.659	1970.05	181.344	0.619	180.726

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1489699	149918.462	64595.015	85323.45	5.728	56.913	431.236	43.398	18.699	24.699

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4513.452	42.114	0.129	0.924	508.609	71.032	70.376	0.657
1992	32100	4453.572	4342.861	110.712	0.345	2.486	492.014	68.262	66.565	1.697
1993	32896	4462.473	4253.106	209.367	0.636	4.692	495.226	67.179	64.027	3.152
1994	33323	4499.513	4168.617	330.897	0.993	7.354	492.290	66.473	61.584	4.888
1995	33569	4472.774	4003.197	469.577	1.399	10.499	486.422	64.812	58.007	6.804
1996	33870	4406.878	3783.811	623.067	1.840	14.139	483.150	62.863	53.975	8.888
1997	33516	4288.158	3509.267	778.890	2.324	18.164	470.307	60.173	49.243	10.930
1998	32795	4120.148	3198.676	921.472	2.810	22.365	452.620	56.864	44.147	12.718
1999	33375	3982.443	2918.982	1063.460	3.186	26.704	453.361	54.097	39.651	14.446
2000	33459	4021.411	2770.001	1251.410	3.740	31.119	447.853	53.827	37.077	16.750
2001	32275	3848.092	2470.139	1377.953	4.269	35.809	426.379	50.836	32.633	18.204
2002	31586	3783.081	2257.026	1526.055	4.831	40.339	412.601	49.418	29.483	19.935
2003	30985	3754.415	2063.890	1690.525	5.456	45.028	400.541	48.533	26.680	21.853
2004	29884	3666.274	1851.790	1814.484	6.072	49.491	382.149	46.883	23.680	23.203
2005	28708	3589.688	1657.038	1932.650	6.732	53.839	362.850	45.371	20.944	24.427
2006	28188	3596.985	1502.526	2094.459	7.430	58.228	353.021	45.048	18.817	26.231
2007	28026	3560.798	1346.654	2214.144	7.900	62.181	347.392	44.137	16.692	27.445
2008	27128	3417.001	1167.979	2249.023	8.290	65.819	332.495	41.881	14.315	27.565
2009	27068	3394.390	1046.116	2348.274	8.675	69.181	327.847	41.113	12.671	28.442
2010	26911	3340.137	930.903	2409.234	8.953	72.130	321.990	39.965	11.138	28.826
2011	26959	3285.435	823.221	2462.214	9.133	74.943	319.377	38.922	9.752	29.169
2012	27057	3259.209	725.882	2533.328	9.363	77.728	317.068	38.193	8.506	29.687
2013	27904	3274.703	650.941	2623.762	9.403	80.122	323.265	37.937	7.541	30.396
2014	28792	3298.083	581.111	2716.972	9.437	82.380	329.657	37.762	6.653	31.108
2015	29560	3244.406	513.437	2730.969	9.239	84.175	380.745	41.789	6.613	35.176
2016	30513	3314.836	462.366	2852.470	9.348	86.052	389.347	42.297	5.900	36.398
2017	31416	3333.314	410.439	2922.874	9.304	87.687	397.202	42.144	5.189	36.955
2018	29348	2925.242	322.055	2603.187	8.870	88.990	367.626	36.642	4.034	32.608
2019	29598	2864.628	279.727	2584.901	8.733	90.235	367.149	35.534	3.470	32.064
2020	29592	2730.366	237.257	2493.109	8.425	91.310	419.174	38.675	3.361	35.315
2021	30097	2647.911	203.328	2444.582	8.122	92.321	423.328	37.244	2.860	34.384
2022	30304	2586.165	173.048	2413.117	7.963	93.309	422.974	36.097	2.415	33.682
2023	30505	2517.960	146.504	2371.456	7.774	94.182	422.337	34.860	2.028	32.832
2024	30661	2454.161	125.508	2328.652	7.595	94.886	420.968	33.695	1.723	31.972
2025	30254	2275.364	103.084	2172.280	7.180	95.470	483.488	36.363	1.647	34.716
2026	30685	2183.166	85.941	2097.225	6.835	96.063	488.380	34.747	1.368	33.379
2027	30561	2112.345	72.612	2039.733	6.674	96.563	484.196	33.467	1.150	32.317
2028	30412	2046.677	60.804	1985.873	6.530	97.029	479.392	32.263	0.958	31.304
2029	30254	1977.671	50.769	1926.903	6.369	97.433	474.195	30.997	0.796	30.202
2030	29330	1744.457	40.161	1704.296	5.811	97.698	549.260	32.668	0.752	31.916
2031	28976	1653.738	33.663	1620.074	5.591	97.964	541.223	30.889	0.629	30.260
2032	28724	1603.120	28.290	1574.831	5.483	98.235	534.690	29.841	0.527	29.315
2033	28464	1548.245	23.337	1524.908	5.357	98.493	527.627	28.700	0.433	28.267
2034	28178	1511.985	19.902	1492.083	5.295	98.684	519.826	27.893	0.367	27.526
2035	26737	1239.866	14.806	1225.059	4.582	98.806	610.065	28.290	0.338	27.952
2036	25591	1182.522	12.042	1170.480	4.574	98.982	583.762	26.975	0.275	26.700
2037	25143	1134.483	10.208	1124.275	4.472	99.100	572.916	25.851	0.233	25.618
2038	24693	1093.537	8.594	1084.943	4.394	99.214	561.491	24.866	0.195	24.670
2039	24247	1047.905	6.783	1041.122	4.294	99.353	549.553	23.751	0.154	23.597

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	651572.317	364034.3	16.301	35.844	646.447	293.996	188.616	105.380

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19192.373	23.264	0.068	0.121	531.576	299.618	299.255	0.363
1992	33942	19056.189	18995.216	60.973	0.180	0.320	520.248	292.085	291.150	0.935
1993	35913	20095.670	19970.556	125.114	0.348	0.623	540.645	302.526	300.643	1.884
1994	35074	19524.095	19331.957	192.138	0.548	0.984	518.158	288.435	285.596	2.839
1995	34669	19116.002	18840.483	275.519	0.795	1.441	502.362	276.995	273.003	3.992
1996	34582	18975.021	18597.933	377.089	1.090	1.987	493.306	270.675	265.296	5.379
1997	35267	19169.025	18667.100	501.925	1.423	2.618	494.878	268.986	261.943	7.043
1998	35675	19228.937	18582.365	646.573	1.812	3.362	492.368	265.388	256.464	8.924
1999	38516	20589.820	19738.248	851.572	2.211	4.136	523.195	279.689	268.121	11.568
2000	36283	19196.417	18230.095	966.322	2.663	5.034	485.652	256.946	244.012	12.934
2001	36281	19012.731	17841.401	1171.331	3.228	6.161	479.301	251.174	235.699	15.474
2002	35983	18699.357	17326.551	1372.806	3.815	7.341	470.038	244.265	226.333	17.933
2003	36205	18663.550	17058.404	1605.146	4.433	8.600	468.019	241.262	220.513	20.750
2004	34611	17679.164	15898.661	1780.503	5.144	10.071	442.596	226.076	203.308	22.769
2005	36826	18692.832	16537.581	2155.251	5.853	11.530	465.456	236.265	209.024	27.241
2006	34350	17308.564	15017.801	2290.762	6.669	13.235	430.192	216.769	188.080	28.689
2007	35326	17683.181	15028.577	2654.605	7.515	15.012	437.879	219.189	186.285	32.905
2008	38248	19006.374	15833.174	3173.200	8.296	16.695	468.878	232.952	194.060	38.892
2009	36902	18205.573	14789.190	3416.382	9.258	18.766	446.956	220.505	179.126	41.379
2010	37234	18237.758	14487.644	3750.114	10.072	20.562	445.505	218.215	173.345	44.870
2011	38093	18487.916	14252.640	4235.276	11.118	22.908	451.279	219.022	168.848	50.174
2012	38504	18491.158	13845.665	4645.493	12.065	25.123	451.211	216.689	162.251	54.438
2013	40290	19143.452	13930.904	5212.548	12.938	27.229	466.755	221.775	161.388	60.387
2014	40339	18992.005	13382.655	5609.350	13.906	29.535	461.866	217.451	153.226	64.225
2015	42303	19728.885	13537.621	6191.264	14.636	31.382	544.880	254.116	174.370	79.746
2016	43104	19876.724	13190.969	6685.755	15.511	33.636	550.009	253.628	168.317	85.311
2017	44107	20119.790	12892.775	7227.016	16.385	35.920	557.659	254.381	163.007	91.373
2018	45469	20535.123	12694.622	7840.501	17.243	38.181	569.564	257.229	159.017	98.212
2019	46963	21009.029	12523.109	8485.920	18.069	40.392	582.552	260.605	155.342	105.263
2020	48419	21428.512	12321.286	9107.226	18.809	42.501	685.853	303.533	174.530	129.003
2021	48463	21266.697	11682.261	9584.436	19.777	45.068	681.652	299.127	164.317	134.810
2022	49915	21663.568	11380.774	10282.79	20.600	47.466	696.712	302.378	158.852	143.526
2023	51391	22084.131	11083.377	11000.75	21.406	49.813	711.491	305.748	153.446	152.302
2024	52811	22418.456	10767.270	11651.19	22.062	51.971	725.093	307.804	147.834	159.970
2025	53848	22614.834	10394.263	12220.57	22.695	54.038	860.553	361.411	166.112	195.299
2026	54342	22571.522	9855.812	12715.71	23.400	56.335	864.886	359.241	156.862	202.379
2027	55267	22774.416	9416.334	13358.08	24.170	58.654	875.619	360.827	149.188	211.639
2028	56149	22915.561	8930.690	13984.87	24.907	61.028	885.102	361.228	140.778	220.450
2029	57014	22992.027	8447.463	14544.56	25.511	63.259	893.616	360.371	132.403	227.968
2030	57238	22895.360	7971.714	14923.65	26.073	65.182	1071.90	428.760	149.286	279.474
2031	57592	22715.871	7467.601	15248.27	26.476	67.126	1075.71	424.293	139.482	284.811
2032	58251	22759.207	7006.701	15752.51	27.043	69.214	1084.31	423.652	130.426	293.225
2033	58885	22786.258	6562.641	16223.62	27.552	71.199	1091.54	422.387	121.651	300.736
2034	59460	22806.106	6125.492	16680.61	28.054	73.141	1096.89	420.721	113.001	307.719
2035	58516	22262.998	5668.636	16594.36	28.359	74.538	1335.15	507.973	129.341	378.632
2036	56446	21140.051	4892.390	16247.66	28.785	76.857	1287.60	482.234	111.602	370.631
2037	56568	21011.845	4454.890	16556.96	29.269	78.798	1288.98	478.783	101.511	377.272
2038	56668	20787.483	4020.739	16766.74	29.588	80.658	1288.55	472.681	91.426	381.254
2039	56758	20709.267	3643.279	17065.99	30.068	82.407	1286.40	469.372	82.574	386.798

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13302112	4509390.583	2873449.699	1635941	12.298	36.279	3816.17	1305.37	824.348	481.023

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123552.947	446.495	0.143	0.360	4883.81	1933.45	1926.49	6.962
1992	308580	122014.015	120815.937	1198.078	0.388	0.982	4729.74	1870.18	1851.80	18.377
1993	311723	122810.618	120558.793	2251.825	0.722	1.834	4692.65	1848.83	1814.88	33.946
1994	305724	119925.592	116460.343	3465.249	1.133	2.889	4516.28	1771.69	1720.40	51.297
1995	303270	117896.496	113010.766	4885.730	1.611	4.144	4393.96	1708.35	1637.37	70.980
1996	299633	115698.645	109246.218	6452.427	2.153	5.577	4273.41	1650.42	1558.09	92.332
1997	294336	113359.847	105328.830	8031.017	2.729	7.085	4129.06	1590.70	1477.59	113.109
1998	289413	111444.212	101831.670	9612.542	3.321	8.625	3992.74	1538.10	1404.87	133.228
1999	311230	114877.722	102002.212	12875.51	4.137	11.208	4225.43	1560.48	1384.84	175.645
2000	304088	112379.704	97678.104	14701.60	4.835	13.082	4067.31	1504.22	1306.49	197.727
2001	296674	110024.943	93374.596	16650.35	5.612	15.133	3915.66	1453.52	1232.41	221.113
2002	292371	108289.173	89444.796	18844.38	6.445	17.402	3814.73	1414.56	1167.03	247.523
2003	286437	106539.023	85754.130	20784.89	7.256	19.509	3697.46	1377.22	1106.95	270.271
2004	274842	103037.251	80837.932	22199.32	8.077	21.545	3508.55	1317.61	1031.95	285.659
2005	273165	103044.562	78802.766	24241.80	8.874	23.526	3445.60	1302.41	993.989	308.425
2006	265012	99672.555	73679.242	25993.31	9.808	26.079	3311.10	1248.28	920.558	327.720
2007	259434	97839.152	70381.852	27457.30	10.584	28.064	3207.01	1212.75	870.029	342.723
2008	260631	98075.852	68761.307	29314.55	11.248	29.890	3184.51	1202.07	840.159	361.912
2009	255211	95617.338	65000.327	30617.01	11.997	32.020	3080.27	1158.11	784.523	373.591
2010	253335	94607.988	62525.645	32082.34	12.664	33.911	3019.28	1131.98	745.190	386.795
2011	253408	93633.119	59760.194	33872.93	13.367	36.176	2989.04	1109.25	704.895	404.354
2012	254460	92775.175	57142.433	35632.74	14.003	38.408	2967.67	1087.19	666.430	420.759
2013	258216	92345.780	54912.160	37433.62	14.497	40.536	2975.77	1069.82	632.828	436.988
2014	259652	91379.215	52434.051	38945.16	14.999	42.619	2955.99	1046.26	596.931	449.325
2015	262291	90750.242	50435.932	40314.31	15.370	44.423	3354.92	1168.90	645.119	523.783
2016	264205	88811.996	47071.171	41740.82	15.799	46.999	3345.94	1133.24	596.118	537.127
2017	266705	87325.126	44342.863	42982.26	16.116	49.221	3344.77	1104.08	556.108	547.971
2018	261910	87612.144	43452.622	44159.52	16.861	50.403	3252.33	1097.46	539.583	557.873
2019	264923	87797.760	41973.787	45823.97	17.297	52.193	3255.81	1089.08	515.843	573.239
2020	266078	87221.042	40420.512	46800.53	17.589	53.657	3727.02	1235.48	566.180	669.298
2021	259019	82001.292	35657.714	46343.58	17.892	56.516	3600.15	1153.39	495.612	657.777
2022	261334	81915.977	34033.599	47882.38	18.322	58.453	3602.06	1143.37	469.097	674.278
2023	263627	81810.810	32437.019	49373.79	18.729	60.351	3601.68	1132.64	443.155	689.490
2024	265585	81528.303	30867.589	50660.71	19.075	62.139	3595.81	1119.38	417.922	701.456
2025	262478	79599.213	29164.509	50434.70	19.215	63.361	4125.82	1272.09	458.429	813.659
2026	256855	75082.462	25575.404	49507.06	19.274	65.937	4017.56	1194.99	400.033	794.955
2027	256599	74444.425	23964.564	50479.86	19.673	67.809	3992.13	1179.46	372.838	806.623
2028	256182	73699.585	22279.713	51419.87	20.072	69.770	3962.30	1161.76	344.595	817.164
2029	255713	72819.703	20684.120	52135.58	20.388	71.595	3929.36	1141.36	317.838	823.519
2030	246936	69309.277	19112.112	50197.16	20.328	72.425	4519.30	1297.95	349.781	948.169
2031	241973	65433.368	16610.897	48822.47	20.177	74.614	4412.78	1222.18	302.928	919.253
2032	240806	64643.552	15318.934	49324.62	20.483	76.302	4372.55	1203.31	278.161	925.148
2033	239605	63793.514	14082.066	49711.45	20.747	77.926	4328.69	1182.54	254.406	928.130
2034	238262	63032.151	12926.954	50105.20	21.029	79.491	4279.89	1162.80	232.206	930.594
2035	223137	57653.301	11714.816	45938.48	20.588	79.681	4940.35	1315.47	259.371	1056.10
2036	215425	52988.733	9445.675	43543.06	20.213	82.174	4763.60	1208.75	208.868	999.878
2037	212893	52026.921	8489.199	43537.72	20.451	83.683	4698.00	1185.50	187.335	998.168
2038	210390	50943.211	7556.781	43386.43	20.622	85.166	4628.77	1158.38	166.256	992.127
2039	207957	50085.991	6760.832	43325.16	20.834	86.502	4556.22	1135.19	148.126	987.065

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3097900	2244988.113	1673945.285	571042.8	18.433	25.436	888.739	649.875	480.229	169.647

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62867.864	50.538	0.064	0.080	1223.41	981.049	980.261	0.788
1992	77988	62366.766	62231.297	135.468	0.174	0.217	1195.35	955.930	953.846	2.083
1993	78545	62652.888	62386.853	266.035	0.339	0.425	1182.40	943.195	939.165	4.029
1994	77443	61565.227	61146.363	418.864	0.541	0.680	1144.02	909.520	903.278	6.243
1995	76916	60851.961	60243.839	608.122	0.791	0.999	1114.40	881.759	872.848	8.910
1996	76252	60122.922	59276.326	846.595	1.110	1.408	1087.51	857.643	845.409	12.234
1997	75502	59237.155	58134.410	1102.744	1.461	1.862	1059.18	831.234	815.531	15.703
1998	75423	58906.696	57486.494	1420.202	1.883	2.411	1040.54	813.001	793.083	19.917
1999	73215	56930.073	55196.949	1733.124	2.367	3.044	994.006	773.329	749.383	23.946
2000	73860	57137.121	54995.718	2141.403	2.899	3.748	987.914	764.787	735.593	29.195
2001	73392	56481.726	53878.792	2602.935	3.547	4.608	968.664	746.169	711.120	35.050
2002	72564	55588.365	52497.797	3090.568	4.259	5.560	946.784	726.138	684.967	41.171
2003	72091	54945.856	51312.730	3633.126	5.040	6.612	930.587	710.281	662.366	47.914
2004	71480	54203.126	49971.739	4231.387	5.920	7.807	912.495	693.135	637.924	55.210
2005	71176	53744.603	48889.714	4854.889	6.821	9.033	897.785	679.296	616.677	62.619
2006	69902	52535.572	47021.474	5514.098	7.888	10.496	873.361	657.945	587.493	70.452
2007	68843	51492.124	45323.902	6168.222	8.960	11.979	851.006	638.264	560.274	77.990
2008	68543	51030.736	44063.225	6967.511	10.165	13.654	837.490	625.460	538.386	87.075
2009	67866	50276.199	42506.732	7769.467	11.448	15.454	819.106	608.943	513.036	95.908
2010	67596	49840.933	41264.572	8576.361	12.688	17.207	805.621	596.347	491.797	104.550
2011	66949	49072.841	39601.137	9471.704	14.148	19.301	789.690	581.354	467.111	114.243
2012	66644	48539.512	38101.952	10437.56	15.662	21.503	777.243	568.812	444.368	124.444
2013	65867	47675.741	36372.481	11303.26	17.161	23.709	759.077	552.318	419.170	133.149
2014	65619	47194.534	34990.618	12203.92	18.598	25.859	747.039	540.359	398.348	142.011
2015	64779	46305.842	33305.967	12999.88	20.068	28.074	828.581	596.439	426.012	170.427
2016	62283	44208.867	30722.535	13486.33	21.653	30.506	788.757	564.107	389.076	175.031
2017	60599	42702.624	28666.663	14035.96	23.162	32.869	759.979	539.903	359.511	180.391
2018	63259	44321.202	28495.857	15825.35	25.017	35.706	785.530	555.181	353.854	201.327
2019	63906	44493.088	27463.396	17029.69	26.648	38.275	785.377	551.912	337.515	214.396
2020	64400	44529.551	26374.343	18155.21	28.191	40.771	902.074	630.757	369.432	261.325
2021	58016	39852.556	22508.109	17344.45	29.896	43.522	806.372	560.546	312.844	247.702
2022	58409	39853.685	21380.360	18473.33	31.628	46.353	805.067	556.274	294.693	261.580
2023	58774	39847.050	20253.639	19593.41	33.337	49.172	802.977	551.670	276.706	274.964
2024	59047	39726.010	19131.664	20594.35	34.878	51.841	799.454	545.435	259.027	286.408
2025	58694	39207.348	17930.353	21277.00	36.251	54.268	922.591	626.579	281.842	344.736
2026	52538	34803.960	14991.643	19812.32	37.710	56.925	821.772	553.929	234.489	319.440
2027	52338	34484.595	13902.447	20582.15	39.325	59.685	814.267	546.357	216.293	330.064
2028	52092	34100.638	12782.333	21318.31	40.925	62.516	805.688	537.544	197.701	339.842
2029	51817	33669.838	11733.265	21936.57	42.335	65.152	796.235	527.732	180.297	347.435
2030	50432	32557.688	10691.719	21865.97	43.357	67.161	922.981	609.705	195.675	414.031
2031	44810	28646.393	8733.220	19913.17	44.439	69.514	817.195	535.065	159.265	375.800
2032	44432	28227.160	7935.309	20291.85	45.670	71.888	806.788	525.435	144.089	381.346
2033	44037	27786.623	7178.792	20607.83	46.797	74.165	795.572	515.079	129.692	385.387
2034	43609	27348.299	6488.486	20859.81	47.834	76.275	783.342	504.514	116.552	387.962
2035	41106	25570.077	5760.935	19809.14	48.190	77.470	910.112	583.430	127.549	455.881
2036	35217	21717.319	4304.298	17413.02	49.445	80.180	778.738	495.402	95.179	400.223
2037	34662	21256.024	3804.203	17451.82	50.349	82.103	764.902	484.347	83.949	400.398
2038	34111	20747.175	3326.963	17420.21	51.069	83.964	750.480	471.764	73.196	398.568
2039	33572	20327.688	2930.074	17397.61	51.822	85.586	735.546	460.724	64.196	396.527

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6427754	1098877.421	477380.920	621496.5	9.669	56.557	1844.02	318.101	136.953	181.148

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36979.259	330.579	0.197	0.886	2620.21	581.750	576.596	5.155
1992	164550	36137.488	35246.348	891.140	0.542	2.466	2522.12	553.899	540.236	13.663
1993	164367	35599.588	33947.480	1652.107	1.005	4.641	2474.37	535.926	511.042	24.884
1994	159879	34336.757	31811.554	2525.203	1.579	7.354	2361.79	507.267	469.933	37.334
1995	158106	33455.759	29919.891	3535.868	2.236	10.569	2290.74	484.782	433.497	51.284
1996	154913	32193.824	27582.721	4611.103	2.977	14.323	2209.39	459.239	393.390	65.850
1997	150026	30665.509	25009.850	5655.660	3.770	18.443	2104.62	430.308	350.847	79.461
1998	145484	29188.430	22552.600	6635.831	4.561	22.734	2007.10	402.844	311.135	91.709
1999	166074	33375.386	24131.564	9243.822	5.566	27.697	2254.70	453.366	327.623	125.743
2000	160419	32024.754	21661.621	10363.13	6.460	32.360	2145.67	428.655	289.734	138.921
2001	154641	30682.393	19158.398	11523.99	7.452	37.559	2041.04	405.339	252.862	152.477
2002	152132	30218.370	17331.912	12886.46	8.471	42.644	1984.95	394.736	226.139	168.597
2003	147025	29175.202	15280.884	13894.32	9.450	47.624	1897.86	377.146	197.252	179.894
2004	138714	27488.687	13072.718	14415.97	10.393	52.443	1770.79	351.518	166.882	184.635
2005	136270	27017.439	11665.872	15351.57	11.266	56.821	1718.86	341.482	147.149	194.333
2006	132365	26231.435	10081.372	16150.06	12.201	61.568	1653.78	328.517	125.958	202.559
2007	126994	25103.049	8618.107	16484.94	12.981	65.669	1569.85	311.161	106.533	204.628
2008	126421	24621.740	7619.822	17001.92	13.449	69.052	1544.67	301.777	93.103	208.675
2009	123050	23741.177	6576.146	17165.03	13.950	72.301	1485.16	287.552	79.371	208.181
2010	121225	23189.160	5752.044	17437.12	14.384	75.195	1444.78	277.458	68.554	208.905
2011	120987	22786.927	4983.913	17803.01	14.715	78.128	1427.09	269.951	58.787	211.164
2012	121785	22485.295	4361.893	18123.40	14.881	80.601	1420.33	263.495	50.871	212.624
2013	123610	22251.884	3838.674	18413.21	14.896	82.749	1424.53	257.786	44.238	213.547
2014	124294	21894.593	3353.505	18541.09	14.917	84.683	1415.01	250.685	38.178	212.507
2015	124951	21471.109	2939.171	18531.94	14.831	86.311	1598.22	276.557	37.595	238.962
2016	127526	21411.568	2546.775	18864.79	14.793	88.106	1615.01	273.213	32.253	240.960
2017	129711	21169.399	2215.231	18954.17	14.613	89.536	1626.72	267.651	27.781	239.870
2018	122895	19830.576	1772.681	18057.90	14.694	91.061	1526.08	248.404	22.013	226.391
2019	123418	19431.014	1529.328	17901.69	14.505	92.129	1516.76	241.031	18.795	222.236
2020	122520	18532.612	1298.783	17233.83	14.066	92.992	1716.18	262.513	18.192	244.321
2021	121203	18234.128	1071.500	17162.63	14.160	94.124	1684.62	256.472	14.893	241.579
2022	121353	17812.559	899.226	16913.33	13.937	94.952	1672.65	248.626	12.394	236.232
2023	121484	17361.668	745.837	16615.83	13.677	95.704	1659.71	240.367	10.190	230.177
2024	121468	16929.676	628.459	16301.22	13.420	96.288	1644.58	232.443	8.509	223.934
2025	117959	15501.666	516.398	14985.27	12.704	96.669	1854.17	247.735	8.117	239.617
2026	117439	15523.814	419.431	15104.38	12.861	97.298	1836.90	247.072	6.560	240.512
2027	116459	15073.070	348.203	14724.87	12.644	97.690	1811.85	238.810	5.417	233.393
2028	115429	14636.710	280.251	14356.46	12.438	98.085	1785.31	230.725	4.335	226.390
2029	114396	14180.166	227.344	13952.82	12.197	98.397	1757.85	222.256	3.493	218.763
2030	107582	12111.772	183.912	11927.86	11.087	98.482	1968.91	226.816	3.366	223.450
2031	108125	12417.367	155.209	12262.16	11.341	98.750	1971.84	231.935	2.831	229.104
2032	106801	12054.064	130.794	11923.27	11.164	98.915	1939.30	224.381	2.375	222.006
2033	105492	11672.389	103.362	11569.03	10.967	99.114	1905.80	216.370	1.867	214.503
2034	104157	11365.762	83.763	11282.00	10.832	99.263	1870.96	209.673	1.505	208.168
2035	93834	8580.360	67.080	8513.280	9.073	99.218	2077.52	195.777	1.485	194.292
2036	95238	8948.841	54.424	8894.416	9.339	99.392	2105.97	204.135	1.203	202.932
2037	93492	8624.570	47.108	8577.461	9.175	99.454	2063.13	196.522	1.040	195.483
2038	91796	8315.017	38.392	8276.625	9.016	99.538	2019.61	189.073	0.845	188.228
2039	90167	8001.132	28.384	7972.747	8.842	99.645	1975.50	181.344	0.622	180.722

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1508081	149918.462	64722.288	85196.17	5.649	56.828	432.645	43.398	18.568	24.830

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4513.452	42.114	0.129	0.924	508.609	71.032	70.376	0.657
1992	32100	4453.572	4342.903	110.669	0.345	2.485	492.015	68.262	66.566	1.697
1993	32897	4462.473	4253.257	209.216	0.636	4.688	495.229	67.179	64.028	3.151
1994	33326	4499.513	4168.967	330.547	0.992	7.346	492.298	66.473	61.586	4.887
1995	33574	4472.774	4003.829	468.945	1.397	10.484	486.436	64.812	58.010	6.802
1996	33878	4406.878	3784.802	622.076	1.836	14.116	483.173	62.863	53.980	8.884
1997	33528	4288.158	3510.668	777.489	2.319	18.131	470.342	60.173	49.249	10.924
1998	32812	4120.148	3200.503	919.645	2.803	22.321	452.670	56.864	44.154	12.710
1999	33398	3982.443	2921.247	1061.195	3.177	26.647	453.433	54.097	39.660	14.436
2000	33491	4021.411	2772.914	1248.497	3.728	31.046	447.953	53.827	37.089	16.738
2001	32315	3848.092	2473.486	1374.606	4.254	35.722	426.504	50.836	32.646	18.190
2002	31635	3783.081	2260.882	1522.199	4.812	40.237	412.760	49.418	29.499	19.919
2003	31044	3754.415	2068.181	1686.234	5.432	44.913	400.733	48.533	26.697	21.836
2004	29954	3666.274	1856.434	1809.841	6.042	49.365	382.379	46.883	23.699	23.185
2005	28788	3589.688	1661.944	1927.745	6.696	53.702	363.119	45.371	20.963	24.408
2006	28280	3596.985	1507.698	2089.286	7.388	58.084	353.337	45.048	18.837	26.211
2007	28132	3560.798	1351.982	2208.815	7.851	62.031	347.761	44.137	16.713	27.425
2008	27246	3417.001	1173.246	2243.756	8.235	65.664	332.908	41.881	14.335	27.545
2009	27202	3394.390	1051.449	2342.940	8.613	69.024	328.320	41.113	12.690	28.422
2010	27062	3340.137	936.227	2403.910	8.883	71.970	322.527	39.965	11.158	28.807
2011	27129	3285.435	828.485	2456.950	9.057	74.783	319.993	38.922	9.772	29.149
2012	27246	3259.209	730.985	2528.224	9.279	77.572	317.763	38.193	8.525	29.668
2013	28121	3274.703	655.992	2618.711	9.312	79.968	324.075	37.937	7.560	30.377
2014	29038	3298.083	586.033	2712.050	9.340	82.231	330.582	37.762	6.672	31.090
2015	29840	3244.406	518.230	2726.176	9.136	84.027	381.675	41.789	6.629	35.161
2016	30827	3314.836	467.042	2847.794	9.238	85.911	390.402	42.297	5.915	36.383
2017	31768	3333.314	414.933	2918.380	9.186	87.552	398.407	42.144	5.204	36.940
2018	29708	2925.242	325.916	2599.326	8.750	88.858	368.909	36.642	4.047	32.595
2019	29990	2864.628	283.329	2581.299	8.607	90.109	368.569	35.534	3.482	32.052
2020	30018	2730.366	240.577	2489.789	8.294	91.189	420.473	38.675	3.370	35.306
2021	30563	2647.911	206.380	2441.531	7.988	92.206	424.805	37.244	2.869	34.376
2022	30805	2586.165	175.802	2410.363	7.825	93.202	424.596	36.097	2.423	33.674
2023	31043	2517.960	148.978	2368.982	7.631	94.083	424.114	34.860	2.035	32.825
2024	31236	2454.161	127.754	2326.407	7.448	94.794	422.909	33.695	1.730	31.966
2025	30864	2275.364	105.081	2170.283	7.032	95.382	485.150	36.363	1.652	34.711
2026	31343	2183.166	87.695	2095.471	6.686	95.983	490.249	34.747	1.372	33.375
2027	31253	2112.345	74.166	2038.179	6.522	96.489	486.230	33.467	1.154	32.313
2028	31138	2046.677	62.175	1984.502	6.373	96.962	481.601	32.263	0.962	31.301
2029	31015	1977.671	51.962	1925.709	6.209	97.373	476.586	30.997	0.798	30.199
2030	30119	1744.457	41.186	1703.271	5.655	97.639	551.223	32.668	0.754	31.915
2031	29794	1653.738	34.560	1619.177	5.435	97.910	543.346	30.889	0.630	30.259
2032	29573	1603.120	29.069	1574.051	5.323	98.187	536.991	29.841	0.528	29.313
2033	29343	1548.245	24.006	1524.239	5.195	98.449	530.110	28.700	0.434	28.266
2034	29087	1511.985	20.499	1491.485	5.128	98.644	522.495	27.893	0.368	27.524
2035	27655	1239.866	15.290	1224.576	4.428	98.767	612.300	28.290	0.339	27.951
2036	26503	1182.522	12.445	1170.077	4.415	98.948	586.054	26.975	0.275	26.700
2037	26072	1134.483	10.556	1123.927	4.311	99.070	575.342	25.851	0.233	25.618
2038	25638	1093.537	8.895	1084.641	4.231	99.187	564.054	24.866	0.196	24.670
2039	25206	1047.905	7.027	1040.878	4.129	99.329	552.251	23.751	0.154	23.597

Results for PHIM for Run 3 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2268378	1015606.587	657401.205	358205.4	15.791	35.270	650.762	293.996	188.598	105.398

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19192.373	23.264	0.068	0.121	531.576	299.618	299.255	0.363
1992	33942	19056.189	18995.389	60.801	0.179	0.319	520.249	292.085	291.151	0.934
1993	35914	20095.670	19971.203	124.467	0.347	0.619	540.648	302.526	300.645	1.882
1994	35077	19524.095	19333.459	190.635	0.543	0.976	518.167	288.435	285.601	2.834
1995	34674	19116.002	18843.207	272.795	0.787	1.427	502.377	276.995	273.012	3.984
1996	34590	18975.021	18602.369	372.652	1.077	1.964	493.331	270.675	265.310	5.365
1997	35280	19169.025	18673.901	495.123	1.403	2.583	494.918	268.986	261.964	7.021
1998	35694	19228.937	18592.074	636.863	1.784	3.312	492.427	265.388	256.496	8.892
1999	38544	20589.820	19752.453	837.368	2.173	4.067	523.288	279.689	268.170	11.519
2000	36318	19196.417	18247.851	948.567	2.612	4.941	485.771	256.946	244.073	12.873
2001	36326	19012.731	17863.920	1148.811	3.162	6.042	479.455	251.174	235.777	15.397
2002	36040	18699.357	17354.206	1345.151	3.732	7.194	470.233	244.265	226.430	17.836
2003	36276	18663.550	17092.334	1571.215	4.331	8.419	468.272	241.262	220.635	20.627
2004	34694	17679.164	15937.041	1742.122	5.021	9.854	442.892	226.076	203.448	22.629
2005	36931	18692.832	16585.237	2107.595	5.707	11.275	465.838	236.265	209.200	27.065
2006	34466	17308.564	15068.698	2239.866	6.499	12.941	430.619	216.769	188.270	28.499
2007	35465	17683.181	15087.861	2595.320	7.318	14.677	438.398	219.189	186.509	32.680
2008	38421	19006.374	15905.014	3101.360	8.072	16.317	469.444	232.952	194.335	38.617
2009	37093	18205.573	14865.999	3339.573	9.003	18.344	447.692	220.505	179.425	41.080
2010	37452	18237.758	14572.802	3664.957	9.786	20.095	446.355	218.215	173.681	44.534
2011	38343	18487.916	14346.659	4141.257	10.801	22.400	452.268	219.022	169.225	49.797
2012	38785	18491.158	13947.603	4543.556	11.715	24.572	452.339	216.689	162.665	54.024
2013	40617	19143.452	14045.013	5098.440	12.552	26.633	468.087	221.775	161.860	59.915
2014	40701	18992.005	13503.894	5488.110	13.484	28.897	463.354	217.451	153.734	63.717
2015	42721	19728.885	13672.564	6056.320	14.176	30.698	546.442	254.116	174.884	79.233
2016	43569	19876.724	13334.819	6541.905	15.015	32.912	551.771	253.628	168.874	84.753
2017	44626	20119.790	13046.036	7073.755	15.851	35.158	559.662	254.381	163.612	90.769
2018	46048	20535.123	12858.168	7676.955	16.672	37.385	571.815	257.229	159.669	97.560
2019	47609	21009.029	12697.734	8311.296	17.457	39.561	585.102	260.605	156.051	104.555
2020	49139	21428.512	12506.810	8921.702	18.156	41.635	688.302	303.533	175.186	128.347
2021	49237	21266.697	11871.725	9394.972	19.081	44.177	684.358	299.127	165.007	134.120
2022	50767	21663.568	11578.211	10085.36	19.866	46.554	699.743	302.378	159.587	142.791
2023	52326	22084.131	11288.564	10795.57	20.631	48.884	714.879	305.748	154.225	151.523
2024	53834	22418.456	10979.712	11438.74	21.248	51.024	728.869	307.804	148.656	159.147
2025	54961	22614.834	10612.676	12002.16	21.838	53.072	863.914	361.411	166.818	194.593
2026	55535	22571.522	10076.635	12494.89	22.499	55.357	868.642	359.241	157.612	201.629
2027	56549	22774.416	9639.749	13134.67	23.227	57.673	879.782	360.827	149.974	210.853
2028	57524	22915.561	9154.955	13760.61	23.922	60.049	889.704	361.228	141.598	219.631
2029	58484	22992.027	8671.548	14320.48	24.486	62.285	898.689	360.371	133.249	227.121
2030	58803	22895.360	8195.295	14700.06	24.999	64.205	1076.19	428.760	149.986	278.773
2031	59243	22715.871	7687.907	15027.96	25.367	66.156	1080.40	424.293	140.202	284.091
2032	60000	22759.207	7223.761	15535.45	25.893	68.260	1089.47	423.652	131.169	292.483
2033	60733	22786.258	6775.906	16010.35	26.362	70.263	1097.21	422.387	122.413	299.974
2034	61409	22806.106	6334.204	16471.90	26.823	72.226	1103.09	420.721	113.781	306.940
2035	60542	22262.998	5871.512	16391.49	27.075	73.627	1340.42	507.973	129.998	377.975
2036	58466	21140.051	5074.508	16065.54	27.478	75.996	1292.84	482.234	112.210	370.023
2037	58667	21011.845	4627.331	16384.51	27.928	77.978	1294.62	478.783	102.114	376.669
2038	58844	20787.483	4182.531	16604.95	28.218	79.880	1294.63	472.681	92.020	380.661
2039	59012	20709.267	3795.347	16913.92	28.662	81.673	1292.92	469.372	83.154	386.218

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Control File Details for Run: 4

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_1
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 4, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 4, Scenario: Ecig

Variable Parameter		Value									
1. Country		US (United States)									
2. Sex		F (Females)									
3. Assumption Set		ISS3									
Note:		Period is in Months									
Age	Period	Initiation			Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual	
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000	
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000	
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000	
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000	
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000	
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000	
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000	
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000	
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000	
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000	
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000	
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000	
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000	
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000	
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000	
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000	
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000	
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000	
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000	
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000	
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000	
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000	
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000	
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000	
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000	
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000	
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000	
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000	
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000	
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000	
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000	
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000	
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000	
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000	
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000	
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000	
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000	
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000	
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000	
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000	
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000	
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000	
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000	
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000	
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000	
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000	
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000	
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000	
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000	
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000	
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000	
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000	
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000	
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000	
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000	
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000	
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000	
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000	
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000	
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000	

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 4, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 4, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		F (Females)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	10659	11.63	0	0.00			
5	All Ages	Ecig	11697	12.76					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18396	20.07			14.19	1129	6.14
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	233	7.34	0	0.00			
5	18-19	Ecig	427	13.44					
5	18-19	Dual	0	0.00					
5	18-19	Former	82	2.58			1.15	52	63.41
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	862	10.32	0	0.00			
5	20-24	Ecig	1250	14.97					
5	20-24	Dual	0	0.00					
5	20-24	Former	444	5.32			3.23	106	23.87
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1395	15.86					
5	25-29	Dual	0	0.00					
5	25-29	Former	1023	11.63			5.94	54	5.28
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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5	30-34	Never Any	5304	52.63					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1802	17.88					
5	30-34	Dual	0	0.00					
5	30-34	Former	1599	15.87			8.16	67	4.19
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1746	16.63					
5	35-39	Dual	0	0.00					
5	35-39	Former	2065	19.67			8.75	62	3.00
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1356	14.13					
5	40-44	Dual	0	0.00					
5	40-44	Former	2091	21.78			12.09	81	3.87
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1161	13.66					
5	45-49	Dual	0	0.00					
5	45-49	Former	2006	23.61			10.93	133	6.63
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	826	12.64					
5	50-54	Dual	0	0.00					
5	50-54	Former	1855	28.38			14.92	140	7.55
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	627	11.33					
5	55-59	Dual	0	0.00					
5	55-59	Former	1501	27.12			15.84	93	6.20
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	444	8.43					
5	60-64	Dual	0	0.00					
5	60-64	Former	1455	27.64			19.22	87	5.98
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	374	6.77					
5	65-69	Dual	0	0.00					
5	65-69	Former	1470	26.61			19.34	107	7.28
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	188	3.55					
5	70-74	Dual	0	0.00					
5	70-74	Former	1496	28.21			22.32	77	5.15
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	101	2.25					
5	75-79	Dual	0	0.00					
5	75-79	Former	1309	29.19			25.87	70	5.35
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	4595	5.00	0	0.00			
10	All Ages	Ecig	15644	17.02					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21246	23.12			15.11	1717	8.08
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	370	4.67	0	0.00			
10	20-24	Ecig	1780	22.45					
10	20-24	Dual	0	0.00					
10	20-24	Former	652	8.22			3.55	169	25.92
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	400	4.79	0	0.00			
10	25-29	Ecig	1690	20.24					
10	25-29	Dual	0	0.00					
10	25-29	Former	767	9.19			5.59	126	16.43
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1908	21.70					
10	30-34	Dual	0	0.00					
10	30-34	Former	1254	14.26			9.28	91	7.26
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2413	23.94					
10	35-39	Dual	0	0.00					
10	35-39	Former	1820	18.06			11.77	105	5.77
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2292	21.83					
10	40-44	Dual	0	0.00					
10	40-44	Former	2345	22.34			12.30	143	6.10
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1673	17.43					
10	45-49	Dual	0	0.00					
10	45-49	Former	2463	25.66			14.76	181	7.35
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1299	15.29					
10	50-54	Dual	0	0.00					
10	50-54	Former	2464	29.00			13.32	188	7.63
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	912	13.95					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2225	34.04			16.92	157	7.06
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		663	11.98					
10	60-64	Dual		0	0.00					
10	60-64	Former		1853	33.48			17.23	149	8.04
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		443	8.42					
10	65-69	Dual		0	0.00					
10	65-69	Former		1809	34.37			19.85	146	8.07
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		368	6.66					
10	70-74	Dual		0	0.00					
10	70-74	Former		1804	32.66			20.18	154	8.54
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		203	3.83					
10	75-79	Dual		0	0.00					
10	75-79	Former		1790	33.75			23.17	108	6.03
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		1890	2.18	0	0.00			
15	All Ages	Ecig		15617	18.03					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		22096	25.51			17.32	941	4.26
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		166	2.09	0	0.00			
15	25-29	Ecig		1941	24.48					
15	25-29	Dual		0	0.00					
15	25-29	Former		963	12.14			6.57	96	9.97
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		149	1.78	0	0.00			
15	30-34	Ecig		1822	21.82					
15	30-34	Dual		0	0.00					
15	30-34	Former		972	11.64			8.77	80	8.23
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	2002	22.77					
15	35-39	Dual	0	0.00					
15	35-39	Former	1435	16.32			12.75	66	4.60
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2500	24.81					
15	40-44	Dual	0	0.00					
15	40-44	Former	2056	20.40			15.08	101	4.91
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2318	22.08					
15	45-49	Dual	0	0.00					
15	45-49	Former	2666	25.39			15.45	135	5.06
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1622	16.90					
15	50-54	Dual	0	0.00					
15	50-54	Former	2769	28.84			17.84	99	3.58
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1281	15.08					
15	55-59	Dual	0	0.00					
15	55-59	Former	2694	31.71			16.95	78	2.90
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	852	13.04					
15	60-64	Dual	0	0.00					
15	60-64	Former	2437	37.29			20.18	93	3.82
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	591	10.68					
15	65-69	Dual	0	0.00					
15	65-69	Former	2099	37.93			19.92	68	3.24
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	391	7.43					
15	70-74	Dual	0	0.00					
15	70-74	Former	2002	38.03			22.67	69	3.45
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	297	5.38					
15	75-79	Dual	0	0.00					
15	75-79	Former	2003	36.26			22.91	56	2.80
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	765	0.94	0	0.00			
20	All Ages	Ecig	13785	17.00					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22772	28.09			19.42	1117	4.91
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	65	0.82	0	0.00			
20	30-34	Ecig	1881	23.72					
20	30-34	Dual	0	0.00					
20	30-34	Former	1241	15.65			9.36	130	10.48
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	58	0.69	0	0.00			
20	35-39	Ecig	1717	20.56					
20	35-39	Dual	0	0.00					
20	35-39	Former	1216	14.56			11.38	98	8.06
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	1849	21.03					
20	40-44	Dual	0	0.00					
20	40-44	Former	1691	19.23			15.34	112	6.62
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2327	23.09					
20	45-49	Dual	0	0.00					
20	45-49	Former	2362	23.44			17.71	131	5.55
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	2101	20.01					
20	50-54	Dual	0	0.00					
20	50-54	Former	3019	28.76			18.27	163	5.40
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1433	14.93					
20	55-59	Dual	0	0.00					
20	55-59	Former	3058	31.85			20.88	103	3.37
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	1079	12.70					
20	60-64	Dual	0	0.00					
20	60-64	Former	2991	35.20			19.94	144	4.81
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	645	9.87					
20	65-69	Dual	0	0.00					
20	65-69	Former	2728	41.74			22.72	95	3.48
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	477	8.62					
20	70-74	Dual	0	0.00					
20	70-74	Former	2285	41.29			23.05	69	3.02
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	276	5.24					
20	75-79	Dual	0	0.00					
20	75-79	Former	2181	41.43			25.56	72	3.30
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	340	0.45	0	0.00			
25	All Ages	Ecig	11438	15.09					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	23029	30.37			21.48	914	3.97
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	20	0.25	0	0.00			
25	35-39	Ecig	1567	19.76					
25	35-39	Dual	0	0.00					
25	35-39	Former	1617	20.39			11.52	129	7.98
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	33	0.40	0	0.00			
25	40-44	Ecig	1502	17.99					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1456	17.44			14.00	103	7.07
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5189	59.01					
25	45-49	CC	32	0.36	0	0.00			
25	45-49	Ecig	1627	18.50					
25	45-49	Dual	0	0.00					
25	45-49	Former	1945	22.12			17.95	96	4.94
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5284	52.43					
25	50-54	CC	45	0.45	0	0.00			
25	50-54	Ecig	2059	20.43					
25	50-54	Dual	0	0.00					
25	50-54	Former	2690	26.69			20.17	150	5.58
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5278	50.27					
25	55-59	CC	37	0.35	0	0.00			
25	55-59	Ecig	1773	16.89					
25	55-59	Dual	0	0.00					
25	55-59	Former	3411	32.49			20.84	140	4.10
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	42	0.44	0	0.00			
25	60-64	Ecig	1154	12.02					
25	60-64	Dual	0	0.00					
25	60-64	Former	3386	35.27			23.56	144	4.25
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	41	0.48	0	0.00			
25	65-69	Ecig	844	9.93					
25	65-69	Dual	0	0.00					
25	65-69	Former	3256	38.32			23.12	70	2.15
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	31	0.47	0	0.00			
25	70-74	Ecig	527	8.06					
25	70-74	Dual	0	0.00					
25	70-74	Former	2862	43.79			26.54	42	1.47
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	59	1.07	0	0.00			
25	75-79	Ecig	385	6.96					
25	75-79	Dual	0	0.00					
25	75-79	Former	2406	43.48			26.76	40	1.66
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38326	54.53					
30	All Ages	CC	115	0.16	0	0.00			
30	All Ages	Ecig	9272	13.19					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	22570	32.11			23.81	756	3.35
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	1345	16.96					
30	40-44	Dual	0	0.00					
30	40-44	Former	1853	23.37			14.68	82	4.43
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	1317	15.77					
30	45-49	Dual	0	0.00					
30	45-49	Former	1661	19.89			16.93	71	4.27
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1395	15.86					
30	50-54	Dual	0	0.00					
30	50-54	Former	2200	25.02			20.50	121	5.50
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	1708	16.95					
30	55-59	Dual	0	0.00					
30	55-59	Former	3072	30.48			22.30	140	4.56
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	1428	13.60					
30	60-64	Dual	0	0.00					
30	60-64	Former	3778	35.98			23.52	153	4.05
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	917	9.55					
30	65-69	Dual	0	0.00					
30	65-69	Former	3647	37.99			26.68	75	2.06
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	727	8.56					
30	70-74	Dual	0	0.00					
30	70-74	Former	3392	39.92			27.06	66	1.95
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	435	6.66					
30	75-79	Dual	0	0.00					
30	75-79	Former	2967	45.39			30.49	48	1.62
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	7305	11.46					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	21185	33.23			25.87	616	2.91
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	1146	14.45					
35	45-49	Dual	0	0.00					
35	45-49	Former	2057	25.94			17.95	74	3.60
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	1112	13.32					
35	50-54	Dual	0	0.00					
35	50-54	Former	1876	22.47			19.62	104	5.54
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	1153	13.11					
35	55-59	Dual	0	0.00					
35	55-59	Former	2447	27.83			23.13	98	4.00
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	1378	13.67					
35	60-64	Dual	0	0.00					
35	60-64	Former	3409	33.83			24.79	139	4.08
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	1139	10.85					
35	65-69	Dual	0	0.00					
35	65-69	Former	4075	38.81			26.61	83	2.04
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	789	8.22					
35	70-74	Dual	0	0.00					
35	70-74	Former	3782	39.40			30.61	65	1.72
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	588	6.92					
35	75-79	Dual	0	0.00					
35	75-79	Former	3539	41.65			30.81	53	1.50
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	5391	9.76					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	18991	34.37			27.90	543	2.86
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any		4726	59.60					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		959	12.09					
40	50-54	Dual		0	0.00					
40	50-54	Former		2245	28.31			21.16	100	4.45
Year of Follow-up: 2030, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any		5359	64.18					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		897	10.74					
40	55-59	Dual		0	0.00					
40	55-59	Former		2094	25.08			22.27	80	3.82
Year of Follow-up: 2030, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any		5189	59.01					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		886	10.08					
40	60-64	Dual		0	0.00					
40	60-64	Former		2715	30.88			25.52	128	4.71
Year of Follow-up: 2030, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any		5284	52.43					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		1080	10.72					
40	65-69	Dual		0	0.00					
40	65-69	Former		3711	36.82			27.57	73	1.97
Year of Follow-up: 2030, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any		5278	50.27					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		957	9.12					
40	70-74	Dual		0	0.00					
40	70-74	Former		4260	40.58			30.32	86	2.02
Year of Follow-up: 2030, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

40	75-79	Ecig	612	6.38					
40	75-79	Dual	0	0.00					
40	75-79	Former	3966	41.31			34.05	76	1.92
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	3886	8.51					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	15923	34.88			29.63	351	2.20
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

45	55-59	Never Any	4726	59.60					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	792	9.99					
45	55-59	Dual	0	0.00					
45	55-59	Former	2412	30.42			24.49	64	2.65
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	719	8.61					
45	60-64	Dual	0	0.00					
45	60-64	Former	2272	27.21			25.28	77	3.39
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	694	7.89					
45	65-69	Dual	0	0.00					
45	65-69	Former	2907	33.06			28.66	55	1.89
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	934	9.27					
45	70-74	Dual	0	0.00					
45	70-74	Former	3859	38.29			31.38	76	1.97
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	747	7.11					
45	75-79	Dual	0	0.00					
45	75-79	Former	4473	42.60			33.73	79	1.77
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	2497	7.10					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12092	34.40			31.39	238	1.97
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	613	7.73					
50	60-64	Dual	0	0.00					
50	60-64	Former	2591	32.67			27.58	77	2.97
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	578	6.92					
50	65-69	Dual	0	0.00					
50	65-69	Former	2413	28.90			28.67	34	1.41
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	583	6.63					
50	70-74	Dual	0	0.00					
50	70-74	Former	3018	34.32			32.48	56	1.86
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	723	7.17					
50	75-79	Dual	0	0.00					
50	75-79	Former	4070	40.38			34.61	71	1.74

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	9082078	2946250.006	1860886.698	1085363	11.951	36.839	2493.45	808.881	510.899	297.982

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58901.294	177.192	0.089	0.300	2877.87	853.678	851.118	2.560
1992	198532	60494.150	59997.182	496.968	0.250	0.822	2829.84	862.271	855.188	7.084
1993	202512	62694.848	61726.865	967.983	0.478	1.544	2845.85	881.034	867.431	13.603
1994	200658	63202.598	61671.454	1531.144	0.763	2.423	2777.87	874.966	853.769	21.197
1995	201023	63766.862	61553.356	2213.506	1.101	3.471	2739.80	869.097	838.929	30.169
1996	201180	64591.163	61554.552	3036.611	1.509	4.701	2706.36	868.908	828.058	40.850
1997	198639	64686.912	60879.386	3807.526	1.917	5.886	2635.18	858.147	807.636	50.511
1998	197573	65295.961	60595.574	4700.387	2.379	7.199	2584.18	854.046	792.567	61.479
1999	211329	67327.521	61247.607	6079.915	2.877	9.030	2726.91	868.771	790.317	78.453
2000	208496	67596.897	60511.435	7085.462	3.398	10.482	2656.96	861.419	771.126	90.293
2001	203606	67008.811	58854.674	8154.137	4.005	12.169	2565.88	844.458	741.698	102.760
2002	200828	67067.744	57723.791	9343.952	4.653	13.932	2506.09	836.925	720.324	116.601
2003	196352	66756.217	56334.234	10421.98	5.308	15.612	2427.31	825.244	696.407	128.837
2004	188160	65058.725	53719.770	11338.95	6.026	17.429	2302.83	796.234	657.460	138.774
2005	186416	65214.724	52640.432	12574.29	6.745	19.281	2256.27	789.321	637.129	152.192
2006	180088	63771.146	50252.345	13518.80	7.507	21.199	2160.67	765.117	602.920	162.197
2007	175644	63110.718	48619.911	14490.81	8.250	22.961	2086.36	749.650	577.524	172.127
2008	177570	63718.624	47829.926	15888.70	8.948	24.936	2086.39	748.674	561.986	186.687
2009	172806	62794.698	45993.592	16801.11	9.723	26.756	2007.57	729.515	534.329	195.186
2010	170489	61917.074	44152.580	17764.49	10.420	28.691	1957.97	711.083	507.068	204.015
2011	170305	61680.114	42635.339	19044.77	11.183	30.877	1937.46	701.700	485.038	216.662
2012	171421	62023.127	41550.340	20472.79	11.943	33.008	1930.22	698.386	467.861	230.525
2013	172699	62037.765	40282.898	21754.87	12.597	35.067	1923.75	691.059	448.724	242.334
2014	174169	61921.017	38754.656	23166.36	13.301	37.413	1918.85	682.195	426.967	255.228
2015	177354	61856.204	37484.859	24371.35	13.742	39.400	2184.51	761.899	461.711	300.188
2016	176853	60464.119	35121.569	25342.55	14.330	41.913	2157.59	737.655	428.479	309.176
2017	179309	60243.839	33602.989	26640.85	14.858	44.222	2166.86	728.017	406.075	321.941
2018	177157	60713.327	32873.591	27839.74	15.715	45.854	2120.51	726.721	393.487	333.233
2019	179227	61148.172	31792.895	29355.28	16.379	48.007	2124.53	724.841	376.868	347.973
2020	180467	61149.317	30718.704	30430.61	16.862	49.764	2424.25	821.432	412.651	408.781
2021	178116	58727.786	27861.551	30866.24	17.329	52.558	2375.42	783.216	371.572	411.644
2022	179408	58848.802	26682.894	32165.91	17.929	54.659	2374.52	778.881	353.156	425.725
2023	180640	58816.149	25507.010	33309.14	18.440	56.633	2372.26	772.407	334.972	437.434
2024	181610	58955.232	24323.636	34631.60	19.069	58.742	2366.77	768.316	316.990	451.326
2025	180418	58297.744	23090.125	35207.62	19.514	60.393	2713.69	876.861	347.300	529.561
2026	180313	56469.971	21044.921	35425.05	19.646	62.733	2701.83	846.150	315.338	530.811
2027	179619	56209.427	19786.036	36423.39	20.278	64.799	2680.68	838.883	295.292	543.591
2028	178762	55733.105	18478.197	37254.91	20.840	66.845	2656.74	828.298	274.621	553.678
2029	177808	55145.838	17171.394	37974.44	21.357	68.862	2630.89	815.951	254.072	561.879
2030	173587	53615.097	15946.546	37668.55	21.700	70.257	3040.33	939.056	279.300	659.756
2031	174985	52046.561	14779.582	37266.98	21.297	71.603	3060.73	910.364	258.515	651.849
2032	173400	51582.636	13716.137	37866.50	21.838	73.409	3027.10	900.496	239.447	661.048
2033	171756	50839.758	12654.899	38184.86	22.232	75.108	2991.14	885.375	220.385	664.989
2034	169973	50215.451	11619.530	38595.92	22.707	76.861	2951.96	872.104	201.799	670.305
2035	162644	47773.075	10634.793	37138.28	22.834	77.739	3459.14	1016.05	226.183	789.863
2036	156254	43298.709	8934.456	34364.25	21.993	79.366	3328.25	922.274	190.306	731.968
2037	153593	42241.563	7979.108	34262.45	22.307	81.111	3274.10	900.450	170.088	730.362
2038	150947	41356.353	7204.660	34151.69	22.625	82.579	3217.50	881.531	153.571	727.960
2039	148373	40161.050	6368.601	33792.45	22.775	84.142	3159.42	855.178	135.611	719.566

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1096584.929	483880.3	20.787	30.616	639.078	433.910	301.063	132.847

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31378.038	33.973	0.078	0.108	631.345	453.901	453.410	0.491
1992	45423	32782.407	32683.444	98.963	0.218	0.302	647.450	467.274	465.863	1.411
1993	46291	33491.183	33295.398	195.785	0.423	0.585	650.515	470.643	467.891	2.751
1994	47017	34074.347	33756.478	317.869	0.676	0.933	650.895	471.719	467.319	4.401
1995	47840	34694.454	34214.717	479.737	1.003	1.383	652.025	472.861	466.322	6.538
1996	48244	35027.269	34362.259	665.009	1.378	1.899	648.999	471.202	462.256	8.946
1997	49035	35590.763	34704.273	886.490	1.808	2.491	650.506	472.153	460.392	11.760
1998	49686	36100.785	34952.155	1148.630	2.312	3.182	649.874	472.184	457.161	15.024
1999	48883	35451.030	34064.096	1386.933	2.837	3.912	630.769	457.448	439.551	17.896
2000	50331	36447.986	34709.865	1738.121	3.453	4.769	641.392	464.474	442.324	22.150
2001	50389	36411.326	34315.212	2096.114	4.160	5.757	635.012	458.863	432.447	26.416
2002	51445	37078.545	34537.058	2541.487	4.940	6.854	641.972	462.696	430.981	31.715
2003	51408	36999.876	34031.159	2968.716	5.775	8.024	635.509	457.395	420.695	36.699
2004	51399	36861.555	33416.729	3444.826	6.702	9.345	629.057	451.138	408.977	42.160
2005	51421	36689.529	32738.907	3950.622	7.683	10.768	622.370	444.069	396.253	47.816
2006	51355	36504.774	32019.889	4484.885	8.733	12.286	616.150	437.979	384.170	53.809
2007	51839	36663.202	31542.011	5121.191	9.879	13.968	615.761	435.498	374.667	60.831
2008	50976	35898.803	30293.726	5605.077	10.996	15.614	598.952	421.800	355.942	65.858
2009	51193	35934.525	29640.586	6293.939	12.295	17.515	594.733	417.468	344.348	73.120
2010	50853	35502.829	28637.682	6865.147	13.500	19.337	584.018	407.730	328.888	78.842
2011	50509	35136.342	27607.592	7528.750	14.906	21.427	574.613	399.726	314.076	85.650
2012	51245	35450.201	27094.465	8355.736	16.305	23.570	577.023	399.173	305.086	94.086
2013	51069	35123.224	26041.249	9081.975	17.784	25.857	568.874	391.249	290.082	101.167
2014	51251	35079.370	25216.314	9863.056	19.245	28.116	564.641	386.476	277.813	108.663
2015	50443	34324.171	23941.487	10382.68	20.583	30.249	621.319	422.780	294.893	127.886
2016	48854	33054.753	22216.289	10838.46	22.185	32.789	596.013	403.264	271.036	132.228
2017	48325	32471.234	20986.230	11485.00	23.766	35.370	583.983	392.399	253.608	138.791
2018	50465	33657.595	20807.356	12850.24	25.464	38.179	604.052	402.871	249.058	153.814
2019	51036	33863.424	20033.678	13829.75	27.098	40.840	604.975	401.412	237.476	163.936
2020	51444	33910.830	19256.059	14654.77	28.487	43.216	691.053	455.532	258.671	196.861
2021	48037	31531.880	17029.248	14502.63	30.191	45.994	640.639	420.521	227.108	193.412
2022	48335	31560.212	16191.188	15369.02	31.797	48.697	639.727	417.708	214.295	203.413
2023	48599	31508.781	15351.652	16157.13	33.246	51.278	638.227	413.791	201.607	212.185
2024	48784	31517.293	14500.754	17016.54	34.882	53.991	635.757	410.740	188.977	221.763
2025	48477	31175.389	13627.039	17548.35	36.200	56.289	729.141	468.912	204.965	263.946
2026	45324	29044.598	11969.656	17074.94	37.673	58.789	679.138	435.206	179.354	255.852
2027	45107	28825.765	11123.591	17702.17	39.245	61.411	673.191	430.203	166.011	264.192
2028	44842	28513.846	10266.020	18247.83	40.694	63.996	666.430	423.769	152.572	271.197
2029	44539	28148.109	9415.305	18732.80	42.059	66.551	659.013	416.486	139.311	277.175
2030	43393	27314.475	8617.999	18696.48	43.086	68.449	760.018	478.407	150.942	327.464
2031	40748	25423.102	7632.832	17790.27	43.660	69.977	712.731	444.684	133.508	311.176
2032	40325	25085.902	6967.521	18118.38	44.931	72.225	703.969	437.933	121.634	316.299
2033	39882	24645.067	6326.005	18319.06	45.933	74.332	694.543	429.194	110.167	319.027
2034	39404	24239.126	5708.042	18531.08	47.028	76.451	684.347	420.967	99.133	321.834
2035	37454	22944.147	5117.691	17826.46	47.595	77.695	796.588	487.980	108.844	379.136
2036	32988	19950.581	4092.741	15857.84	48.071	79.486	702.663	424.953	87.176	337.776
2037	32403	19415.334	3587.541	15827.79	48.846	81.522	690.731	413.871	76.475	337.396
2038	31820	18939.317	3186.596	15752.72	49.506	83.175	678.257	403.701	67.924	335.777
2039	31251	18379.752	2764.908	15614.84	49.965	84.957	665.457	391.373	58.875	332.498

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	3242167	398833.796	186644.106	212189.7	6.545	53.203	890.124	109.498	51.242	58.256

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12761.318	95.161	0.099	0.740	1393.01	185.775	184.400	1.375
1992	93721	12662.244	12398.030	264.213	0.282	2.087	1335.88	180.485	176.719	3.766
1993	93679	12730.613	12225.772	504.841	0.539	3.966	1316.45	178.900	171.805	7.094
1994	90832	12495.323	11708.132	787.191	0.867	6.300	1257.46	172.983	162.085	10.898
1995	89698	12365.590	11252.022	1113.569	1.241	9.005	1222.52	168.534	153.357	15.177
1996	88286	12290.551	10770.229	1520.322	1.722	12.370	1187.66	165.338	144.886	20.452
1997	84777	11719.531	9886.351	1833.181	2.162	15.642	1124.67	155.473	131.154	24.319
1998	82517	11416.794	9220.211	2196.584	2.662	19.240	1079.29	149.327	120.597	28.730
1999	93939	13028.038	10000.842	3027.196	3.223	23.236	1212.16	168.109	129.047	39.062
2000	90039	12426.299	9044.426	3381.873	3.756	27.215	1147.41	158.354	115.257	43.097
2001	86119	11939.281	8123.854	3815.427	4.430	31.957	1085.29	150.461	102.378	48.083
2002	83014	11528.794	7292.673	4236.121	5.103	36.744	1035.91	143.865	91.004	52.862
2003	79302	11048.407	6493.168	4555.239	5.744	41.230	980.336	136.581	80.269	56.312
2004	73861	10375.132	5603.394	4771.738	6.460	45.992	903.963	126.978	68.578	58.400
2005	71649	10051.029	4984.676	5066.354	7.071	50.406	867.197	121.652	60.332	61.320
2006	67551	9542.523	4287.043	5255.481	7.780	55.074	810.467	114.490	51.435	63.055
2007	63503	8936.533	3640.194	5296.339	8.340	59.266	754.310	106.151	43.239	62.912
2008	63171	8944.180	3289.433	5654.747	8.951	63.223	742.239	105.091	38.650	66.441
2009	59747	8390.033	2803.936	5586.098	9.350	66.580	694.108	97.471	32.575	64.896
2010	58008	8157.570	2454.421	5703.149	9.832	69.912	666.189	93.685	28.188	65.497
2011	57368	8035.356	2152.897	5882.459	10.254	73.207	652.644	91.414	24.492	66.921
2012	57411	7970.766	1885.147	6085.619	10.600	76.349	646.453	89.752	21.227	68.525
2013	57067	7743.216	1641.938	6101.278	10.691	78.795	635.688	86.254	18.290	67.964
2014	57538	7774.935	1450.900	6324.035	10.991	81.339	633.906	85.658	15.985	69.673
2015	58395	7722.535	1301.374	6421.160	10.996	83.148	719.266	95.120	16.029	79.091
2016	58658	7600.353	1121.766	6478.587	11.045	85.241	715.621	92.723	13.685	79.038
2017	59004	7470.266	969.164	6501.102	11.018	87.026	713.034	90.274	11.712	78.563
2018	56077	6907.050	782.604	6124.447	10.922	88.669	671.224	82.675	9.368	73.308
2019	55886	6732.046	669.912	6062.135	10.847	90.049	662.462	79.801	7.941	71.860
2020	55313	6429.836	573.076	5856.760	10.588	91.087	743.037	86.373	7.698	78.675
2021	56292	6562.016	489.761	6072.254	10.787	92.536	750.730	87.513	6.532	80.982
2022	55827	6352.366	412.271	5940.094	10.640	93.510	738.885	84.075	5.457	78.619
2023	55338	6134.123	348.647	5785.476	10.455	94.316	726.728	80.557	4.579	75.978
2024	54770	5922.193	290.761	5631.432	10.282	95.090	713.771	77.179	3.789	73.390
2025	53295	5504.188	244.186	5260.002	9.870	95.564	801.612	82.789	3.673	79.116
2026	55278	5641.075	213.293	5427.782	9.819	96.219	828.283	84.526	3.196	81.330
2027	54199	5426.216	178.282	5247.934	9.683	96.714	808.875	80.982	2.661	78.321
2028	53090	5197.830	145.595	5052.235	9.516	97.199	789.020	77.249	2.164	75.086
2029	51974	4973.547	119.191	4854.355	9.340	97.603	769.023	73.590	1.764	71.826
2030	49479	4450.618	98.376	4352.242	8.796	97.790	866.605	77.952	1.723	76.228
2031	51987	4555.052	87.350	4467.702	8.594	98.082	909.317	79.674	1.528	78.146
2032	50677	4349.999	70.196	4279.803	8.445	98.386	884.689	75.939	1.225	74.714
2033	49380	4147.948	57.797	4090.151	8.283	98.607	859.955	72.237	1.007	71.230
2034	48076	3966.133	46.592	3919.542	8.153	98.825	834.943	68.881	0.809	68.072
2035	44518	3289.064	38.597	3250.468	7.301	98.827	946.825	69.952	0.821	69.131
2036	46347	3313.192	31.734	3281.459	7.080	99.042	987.211	70.572	0.676	69.896
2037	44841	3117.951	24.219	3093.732	6.899	99.223	955.859	66.464	0.516	65.948
2038	43378	2949.775	19.554	2930.221	6.755	99.337	924.621	62.876	0.417	62.459
2039	41973	2766.312	15.910	2750.402	6.553	99.425	893.753	58.905	0.339	58.566

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	48122.626	56777.12	4.199	54.125	371.243	28.800	13.212	15.588

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3178.126	28.937	0.089	0.902	469.694	46.342	45.924	0.418
1992	32560	3218.125	3137.157	80.968	0.249	2.516	464.104	45.871	44.716	1.154
1993	32768	3226.680	3073.280	153.401	0.468	4.754	460.480	45.344	43.188	2.156
1994	33005	3277.266	3032.440	244.826	0.742	7.470	456.915	45.370	41.981	3.389
1995	33730	3309.378	2958.341	351.037	1.041	10.607	459.716	45.104	40.320	4.784
1996	33750	3312.987	2838.187	474.800	1.407	14.331	454.019	44.568	38.181	6.387
1997	33699	3267.066	2672.119	594.947	1.765	18.210	447.056	43.341	35.449	7.893
1998	33274	3178.725	2469.179	709.546	2.132	22.322	435.211	41.577	32.296	9.281
1999	33891	3120.351	2293.897	826.455	2.439	26.486	437.317	40.264	29.600	10.664
2000	33827	3142.808	2175.729	967.079	2.859	30.771	431.074	40.050	27.726	12.324
2001	32506	2961.588	1922.624	1038.965	3.196	35.081	409.647	37.323	24.229	13.093
2002	32078	2940.627	1772.370	1168.257	3.642	39.728	400.295	36.695	22.117	14.578
2003	30568	2819.545	1574.976	1244.569	4.071	44.141	377.883	34.855	19.470	15.385
2004	29388	2730.466	1404.804	1325.662	4.511	48.551	359.671	33.417	17.193	16.224
2005	27954	2670.510	1262.005	1408.505	5.039	52.743	338.339	32.322	15.275	17.048
2006	27201	2623.285	1135.506	1487.780	5.470	56.714	326.354	31.474	13.624	17.850
2007	26302	2536.599	999.800	1536.799	5.843	60.585	312.424	30.131	11.876	18.255
2008	25998	2469.443	887.989	1581.454	6.083	64.041	305.468	29.015	10.434	18.582
2009	25040	2386.945	778.906	1608.039	6.422	67.368	290.901	27.730	9.049	18.681
2010	24840	2329.274	688.626	1640.649	6.605	70.436	285.273	26.750	7.908	18.842
2011	24792	2286.581	606.524	1680.056	6.777	73.475	282.045	26.013	6.900	19.113
2012	24500	2243.311	532.483	1710.828	6.983	76.264	275.872	25.260	5.996	19.264
2013	24451	2176.503	461.642	1714.861	7.013	78.790	272.368	24.245	5.142	19.102
2014	25296	2211.619	419.067	1792.552	7.086	81.052	278.691	24.366	4.617	19.749
2015	26316	2237.016	383.040	1853.976	7.045	82.877	324.141	27.554	4.718	22.836
2016	26735	2229.057	340.697	1888.360	7.063	84.716	326.164	27.194	4.156	23.038
2017	27616	2221.649	303.202	1918.447	6.947	86.352	333.726	26.848	3.664	23.183
2018	25256	1939.420	237.360	1702.060	6.739	87.761	302.304	23.214	2.841	20.373
2019	25429	1904.400	205.443	1698.956	6.681	89.212	301.434	22.574	2.435	20.139
2020	25379	1806.054	174.995	1631.059	6.427	90.311	340.922	24.261	2.351	21.910
2021	25448	1748.172	149.485	1598.688	6.282	91.449	339.386	23.314	1.994	21.321
2022	25539	1701.148	128.233	1572.915	6.159	92.462	338.015	22.515	1.697	20.818
2023	25620	1652.087	110.192	1541.895	6.018	93.330	336.461	21.696	1.447	20.249
2024	25659	1597.127	93.153	1503.973	5.861	94.167	334.391	20.814	1.214	19.600
2025	25260	1467.622	77.261	1390.361	5.504	94.736	379.931	22.075	1.162	20.913
2026	25480	1390.505	64.903	1325.602	5.203	95.332	381.790	20.835	0.973	19.863
2027	25264	1342.095	54.838	1287.257	5.095	95.914	377.042	20.030	0.818	19.211
2028	25022	1289.536	46.120	1243.416	4.969	96.424	371.870	19.165	0.685	18.479
2029	24767	1242.216	38.550	1203.666	4.860	96.897	366.459	18.380	0.570	17.810
2030	23959	1096.803	30.832	1065.971	4.449	97.189	419.641	19.210	0.540	18.670
2031	23963	1019.991	25.190	994.801	4.151	97.530	419.142	17.841	0.441	17.400
2032	23615	977.406	20.724	956.682	4.051	97.880	412.259	17.063	0.362	16.701
2033	23259	937.450	17.494	919.955	3.955	98.134	405.051	16.326	0.305	16.021
2034	22879	900.763	14.486	886.277	3.874	98.392	397.339	15.644	0.252	15.392
2035	21733	745.023	11.188	733.835	3.377	98.498	462.224	15.845	0.238	15.607
2036	20904	680.360	8.577	671.783	3.214	98.739	445.263	14.492	0.183	14.309
2037	20397	644.109	7.030	637.079	3.123	98.909	434.791	13.730	0.150	13.580
2038	19890	612.448	5.895	606.553	3.050	99.037	423.966	13.055	0.126	12.929
2039	19392	577.529	4.944	572.585	2.953	99.144	412.930	12.298	0.105	12.192

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	529535.037	332516.2	15.395	38.573	593.003	236.673	145.382	91.291

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11583.812	19.121	0.072	0.165	383.818	167.661	167.385	0.276
1992	26828	11831.375	11778.551	52.824	0.197	0.446	382.401	168.642	167.889	0.753
1993	29774	13246.371	13132.416	113.955	0.383	0.860	418.406	186.148	184.546	1.601
1994	29804	13355.662	13174.404	181.258	0.608	1.357	412.601	184.893	182.384	2.509
1995	29755	13397.439	13128.276	269.163	0.905	2.009	405.540	182.598	178.929	3.669
1996	30900	13960.356	13583.876	376.480	1.218	2.697	415.680	187.801	182.736	5.065
1997	31128	14109.552	13616.644	492.908	1.583	3.493	412.949	187.180	180.641	6.539
1998	32096	14599.657	13954.030	645.627	2.012	4.422	419.803	190.958	182.513	8.445
1999	34616	15728.102	14888.772	839.330	2.425	5.337	446.673	202.950	192.119	10.830
2000	34299	15579.803	14581.415	998.388	2.911	6.408	437.088	198.541	185.818	12.723
2001	34592	15696.614	14492.984	1203.630	3.480	7.668	435.935	197.812	182.643	15.168
2002	34291	15519.777	14121.691	1398.086	4.077	9.008	427.910	193.668	176.222	17.446
2003	35074	15888.389	14234.931	1653.458	4.714	10.407	433.587	196.413	175.973	20.440
2004	33512	15091.573	13294.844	1796.729	5.361	11.906	410.143	184.701	162.712	21.990
2005	35392	15803.656	13654.845	2148.811	6.071	13.597	428.364	191.278	165.270	26.008
2006	33981	15100.563	12809.908	2290.655	6.741	15.169	407.699	181.174	153.691	27.483
2007	34000	14974.384	12437.906	2536.478	7.460	16.939	403.863	177.871	147.742	30.129
2008	37425	16406.197	13358.778	3047.420	8.143	18.575	439.732	192.768	156.961	35.806
2009	36826	16083.194	12770.164	3313.030	8.996	20.599	427.825	186.846	148.357	38.489
2010	36788	15927.400	12371.851	3555.550	9.665	22.323	422.489	182.917	142.084	40.833
2011	37636	16221.836	12268.327	3953.509	10.505	24.372	428.164	184.547	139.570	44.977
2012	38265	16358.849	12038.245	4320.605	11.291	26.411	430.867	184.202	135.552	48.650
2013	40112	16994.822	12138.069	4856.753	12.108	28.578	446.821	189.311	135.210	54.101
2014	40084	16855.093	11668.375	5186.719	12.940	30.772	441.613	185.696	128.553	57.143
2015	42200	17572.483	11858.958	5713.525	13.539	32.514	519.788	216.445	146.070	70.375
2016	42606	17579.955	11442.817	6137.138	14.404	34.910	519.788	214.473	139.601	74.872
2017	44364	18080.688	11344.393	6736.296	15.184	37.257	536.117	218.496	137.091	81.405
2018	45359	18209.262	11046.272	7162.991	15.792	39.337	542.932	217.960	132.221	85.739
2019	46876	18648.302	10883.862	7764.440	16.564	41.636	555.657	221.054	129.016	92.038
2020	48331	19002.597	10714.573	8288.024	17.149	43.615	649.239	255.266	143.931	111.335
2021	48338	18885.717	10193.057	8692.661	17.983	46.028	644.660	251.867	135.938	115.929
2022	49708	19235.076	9951.201	9283.875	18.677	48.265	657.895	254.582	131.707	122.875
2023	51083	19521.158	9696.519	9824.639	19.233	50.328	670.849	256.363	127.340	129.023
2024	52397	19918.620	9438.968	10479.65	20.000	52.612	682.854	259.583	123.010	136.573
2025	53387	20150.545	9141.639	11008.91	20.621	54.633	803.004	303.086	137.500	165.586
2026	54232	20393.792	8797.068	11596.72	21.384	56.864	812.615	305.582	131.816	173.766
2027	55049	20615.351	8429.324	12186.03	22.137	59.111	821.568	307.668	125.801	181.867
2028	55809	20731.894	8020.462	12711.43	22.777	61.313	829.419	308.115	119.199	188.916
2029	56527	20781.967	7598.347	13183.62	23.323	63.438	836.392	307.495	112.427	195.068
2030	56756	20753.201	7199.339	13553.86	23.881	65.310	994.067	363.487	126.095	237.393
2031	58288	21048.417	7034.211	14014.21	24.043	66.581	1019.54	368.165	123.038	245.127
2032	58782	21169.329	6657.696	14511.63	24.687	68.550	1026.18	369.560	116.226	253.335
2033	59236	21109.293	6253.603	14855.69	25.079	70.375	1031.59	367.618	108.907	258.712
2034	59614	21109.429	5850.411	15259.02	25.596	72.285	1035.33	366.613	101.605	265.007
2035	58938	20794.840	5467.317	15327.52	26.006	73.708	1253.51	442.268	116.280	325.988
2036	56014	19354.577	4801.405	14553.17	25.981	75.192	1193.11	412.258	102.271	309.986
2037	55953	19064.169	4360.319	14703.85	26.279	77.128	1192.72	406.385	92.948	313.437
2038	55859	18854.812	3992.614	14862.20	26.607	78.824	1190.66	401.900	85.105	316.795
2039	55757	18437.457	3582.838	14854.62	26.642	80.568	1187.28	392.602	76.292	316.310

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9153195	2946250.006	1869245.975	1077004	11.766	36.555	2500.01	808.881	510.547	298.334

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58901.294	177.192	0.089	0.300	2877.87	853.678	851.118	2.560
1992	198533	60494.150	59997.417	496.732	0.250	0.821	2829.84	862.271	855.189	7.083
1993	202515	62694.848	61727.787	967.060	0.478	1.542	2845.86	881.034	867.435	13.598
1994	200665	63202.598	61673.719	1528.878	0.762	2.419	2777.91	874.966	853.780	21.186
1995	201037	63766.862	61557.707	2209.155	1.099	3.464	2739.87	869.097	838.950	30.147
1996	201203	64591.163	61561.954	3029.209	1.506	4.690	2706.47	868.908	828.095	40.813
1997	198675	64686.912	60890.856	3796.056	1.911	5.868	2635.35	858.147	807.693	50.454
1998	197626	65295.961	60612.321	4683.640	2.370	7.173	2584.43	854.046	792.652	61.394
1999	211408	67327.521	61271.226	6056.296	2.865	8.995	2727.30	868.771	790.439	78.332
2000	208602	67596.897	60543.171	7053.725	3.381	10.435	2657.48	861.419	771.289	90.130
2001	203742	67008.811	58895.138	8113.672	3.982	12.108	2566.55	844.458	741.906	102.552
2002	200999	67067.744	57774.253	9293.490	4.624	13.857	2506.94	836.925	720.583	116.342
2003	196562	66756.217	56395.842	10360.38	5.271	15.520	2428.36	825.244	696.726	128.518
2004	188407	65058.725	53791.863	11266.86	5.980	17.318	2304.08	796.234	657.835	138.400
2005	186710	65214.724	52725.010	12489.71	6.689	19.152	2257.75	789.321	637.566	151.755
2006	180424	63771.146	50348.076	13423.07	7.440	21.049	2162.37	765.117	603.416	161.701
2007	176027	63110.718	48728.130	14382.59	8.171	22.789	2088.28	749.650	578.082	171.568
2008	178018	63718.624	47953.217	15765.41	8.856	24.742	2088.63	748.674	562.623	186.051
2009	173305	62794.698	46129.495	16665.20	9.616	26.539	2010.05	729.515	535.026	194.489
2010	171047	61917.074	44300.611	17616.46	10.299	28.452	1960.73	711.083	507.822	203.261
2011	170931	61680.114	42795.979	18884.14	11.048	30.616	1940.54	701.700	485.852	215.848
2012	172124	62023.127	41725.486	20297.64	11.792	32.726	1933.64	698.386	468.744	229.643
2013	173489	62037.765	40472.092	21565.67	12.431	34.762	1927.58	691.059	449.673	241.386
2014	175050	61921.017	38956.459	22964.56	13.119	37.087	1923.08	682.195	427.973	254.222
2015	178346	61856.204	37700.825	24155.38	13.544	39.051	2189.06	761.899	462.748	299.151
2016	177937	60464.119	35343.749	25120.37	14.118	41.546	2162.51	737.655	429.541	308.115
2017	180513	60243.839	33836.204	26407.63	14.629	43.835	2172.32	728.017	407.191	320.826
2018	178456	60713.327	33123.003	27590.32	15.461	45.444	2126.41	726.721	394.681	332.039
2019	180659	61148.172	32056.310	29091.86	16.103	47.576	2131.04	724.841	378.135	346.706
2020	182040	61149.317	30996.028	30153.29	16.564	49.311	2430.89	821.432	413.907	407.525
2021	179791	58727.786	28133.607	30594.18	17.016	52.095	2382.49	783.216	372.810	410.406
2022	181225	58848.802	26963.856	31884.95	17.594	54.181	2382.22	778.881	354.442	424.438
2023	182604	58816.149	25796.082	33020.07	18.083	56.141	2380.63	772.407	336.306	436.101
2024	183725	58955.232	24619.675	34335.56	18.689	58.240	2375.82	768.316	318.367	449.949
2025	182684	58297.744	23391.767	34905.98	19.107	59.875	2722.31	876.861	348.578	528.283
2026	182740	56469.971	21341.104	35128.87	19.223	62.208	2711.32	846.150	316.639	529.511
2027	182192	56209.427	20083.674	36125.75	19.828	64.270	2690.91	838.883	296.630	542.254
2028	181483	55733.105	18774.441	36958.66	20.365	66.314	2667.76	828.298	275.980	552.318
2029	180678	55145.838	17464.597	37681.24	20.855	68.330	2642.72	815.951	255.449	560.502
2030	176595	53615.097	16236.778	37378.32	21.166	69.716	3051.02	939.056	280.522	658.534
2031	178221	52046.561	15068.634	36977.93	20.748	71.048	3072.96	910.364	259.819	650.545
2032	176786	51582.636	14000.875	37581.76	21.258	72.857	3040.32	900.496	240.783	659.713
2033	175294	50839.758	12933.341	37906.42	21.625	74.561	3005.38	885.375	221.740	663.635
2034	173656	50215.451	11890.059	38325.39	22.070	76.322	2967.22	872.104	203.163	668.941
2035	166429	47773.075	10897.692	36875.38	22.157	77.189	3472.66	1016.05	227.388	788.657
2036	160071	43298.709	9168.101	34130.61	21.322	78.826	3342.51	922.274	191.443	730.831
2037	157513	42241.563	8198.213	34043.35	21.613	80.592	3289.39	900.450	171.205	729.245
2038	154964	41356.353	7412.443	33943.91	21.904	82.077	3233.80	881.531	154.683	726.847
2039	152485	40161.050	6560.993	33600.06	22.035	83.663	3176.72	855.178	136.685	718.492

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2345097	1580465.217	1101336.308	479128.9	20.431	30.316	640.517	433.910	300.808	133.102

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31378.038	33.973	0.078	0.108	631.345	453.901	453.410	0.491
1992	45423	32782.407	32683.573	98.833	0.218	0.301	647.451	467.274	465.864	1.410
1993	46292	33491.183	33295.899	195.284	0.422	0.583	650.518	470.643	467.894	2.749
1994	47019	34074.347	33757.730	316.617	0.673	0.929	650.904	471.719	467.325	4.394
1995	47843	34694.454	34217.159	477.295	0.998	1.376	652.042	472.861	466.335	6.526
1996	48250	35027.269	34366.434	660.834	1.370	1.887	649.028	471.202	462.277	8.925
1997	49044	35590.763	34710.856	879.906	1.794	2.472	650.553	472.153	460.426	11.727
1998	49700	36100.785	34961.871	1138.914	2.292	3.155	649.944	472.184	457.211	14.974
1999	48902	35451.030	34077.276	1373.753	2.809	3.875	630.865	457.448	439.619	17.828
2000	50357	36447.986	34728.124	1719.862	3.415	4.719	641.527	464.474	442.418	22.056
2001	50424	36411.326	34338.822	2072.505	4.110	5.692	635.189	458.863	432.569	26.294
2002	51490	37078.545	34567.276	2511.269	4.877	6.773	642.201	462.696	431.137	31.559
2003	51464	36999.876	34068.370	2931.506	5.696	7.923	635.796	457.395	420.888	36.507
2004	51467	36861.555	33461.504	3400.051	6.606	9.224	629.409	451.138	409.210	41.928
2005	51503	36689.529	32791.340	3898.189	7.569	10.625	622.786	444.069	396.522	47.546
2006	51451	36504.774	32080.613	4424.161	8.599	12.119	616.639	437.979	384.482	53.497
2007	51952	36663.202	31611.866	5051.336	9.723	13.778	616.334	435.498	375.025	60.473
2008	51105	35898.803	30371.271	5527.532	10.816	15.398	599.598	421.800	356.338	65.461
2009	51341	35934.525	29727.593	6206.933	12.090	17.273	595.469	417.468	344.791	72.677
2010	51019	35502.829	28732.981	6769.848	13.269	19.068	584.837	407.730	329.369	78.361
2011	50694	35136.342	27710.796	7425.546	14.648	21.134	575.517	399.726	314.594	85.132
2012	51455	35450.201	27207.786	8242.414	16.019	23.251	578.041	399.173	305.652	93.521
2013	51301	35123.224	26162.546	8960.678	17.467	25.512	569.993	391.249	290.684	100.565
2014	51509	35079.370	25346.593	9732.777	18.895	27.745	565.875	386.476	278.456	108.020
2015	50724	34324.171	24078.299	10245.87	20.199	29.850	622.593	422.780	295.542	127.238
2016	49152	33054.753	22355.767	10698.99	21.767	32.367	597.355	403.264	271.695	131.569
2017	48648	32471.234	21130.800	11340.43	23.311	34.925	585.438	392.399	254.292	138.107
2018	50832	33657.595	20963.690	12693.91	24.972	37.715	605.690	402.871	249.795	153.076
2019	51439	33863.424	20198.020	13665.40	26.566	40.354	606.775	401.412	238.255	163.157
2020	51886	33910.830	19428.156	14482.67	27.913	42.708	692.857	455.532	259.435	196.097
2021	48483	31531.880	17193.912	14337.97	29.573	45.471	642.473	420.521	227.843	192.678
2022	48818	31560.212	16360.046	15200.17	31.136	48.162	641.718	417.708	215.054	202.654
2023	49120	31508.781	15524.000	15984.78	32.542	50.731	640.385	413.791	202.388	211.403
2024	49344	31517.293	14675.619	16841.67	34.131	53.436	638.085	410.740	189.777	220.963
2025	49076	31175.389	13803.512	17371.88	35.398	55.723	731.311	468.912	205.696	263.215
2026	45927	29044.598	12136.733	16907.86	36.815	58.213	681.416	435.206	180.073	255.133
2027	45745	28825.765	11289.559	17536.21	38.334	60.835	675.643	430.203	166.743	263.459
2028	45515	28513.846	10429.258	18084.59	39.733	63.424	669.064	423.769	153.308	270.461
2029	45248	28148.109	9574.765	18573.34	41.047	65.984	661.834	416.486	140.047	276.439
2030	44134	27314.475	8773.690	18540.79	42.010	67.879	762.509	478.407	151.582	326.824
2031	41494	25423.102	7781.158	17641.94	42.517	69.393	715.460	444.684	134.166	310.518
2032	41105	25085.902	7111.186	17974.72	43.729	71.653	706.905	437.933	122.296	315.637
2033	40694	24645.067	6464.226	18180.84	44.677	73.771	697.693	429.194	110.828	318.366
2034	40248	24239.126	5839.983	18399.14	45.714	75.907	687.709	420.967	99.786	321.180
2035	38317	22944.147	5243.476	17700.67	46.195	77.147	799.519	487.980	109.409	378.571
2036	33784	19950.581	4199.091	15751.49	46.624	78.953	705.459	424.953	87.683	337.270
2037	33219	19415.334	3685.333	15730.00	47.353	81.018	693.714	413.871	76.962	336.909
2038	32654	18939.317	3277.784	15661.53	47.962	82.693	681.427	403.701	68.401	335.300
2039	32103	18379.752	2847.727	15532.02	48.381	84.506	668.809	391.373	59.327	332.046

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3263043	398833.796	186846.829	211987.0	6.497	53.152	891.235	109.498	51.033	58.465

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12761.318	95.161	0.099	0.740	1393.01	185.775	184.400	1.375
1992	93721	12662.244	12398.079	264.165	0.282	2.086	1335.88	180.485	176.719	3.766
1993	93680	12730.613	12225.954	504.659	0.539	3.964	1316.45	178.900	171.806	7.094
1994	90835	12495.323	11708.561	786.761	0.866	6.296	1257.48	172.983	162.087	10.896
1995	89704	12365.590	11252.819	1112.771	1.240	8.999	1222.55	168.534	153.361	15.173
1996	88296	12290.551	10771.525	1519.026	1.720	12.359	1187.71	165.338	144.892	20.446
1997	84792	11719.531	9888.229	1831.302	2.160	15.626	1124.74	155.473	131.163	24.310
1998	82539	11416.794	9222.789	2194.005	2.658	19.217	1079.39	149.327	120.610	28.717
1999	93974	13028.038	10004.759	3023.279	3.217	23.206	1212.32	168.109	129.068	39.041
2000	90084	12426.299	9049.251	3377.048	3.749	27.177	1147.63	158.354	115.283	43.071
2001	86176	11939.281	8129.536	3809.745	4.421	31.909	1085.56	150.461	102.408	48.053
2002	83084	11528.794	7299.145	4229.649	5.091	36.688	1036.26	143.865	91.038	52.828
2003	79386	11048.407	6500.370	4548.037	5.729	41.165	980.751	136.581	80.307	56.274
2004	73957	10375.132	5611.007	4764.125	6.442	45.919	904.443	126.978	68.618	58.360
2005	71761	10051.029	4992.794	5058.235	7.049	50.326	867.757	121.652	60.374	61.277
2006	67676	9542.523	4295.308	5247.215	7.753	54.988	811.094	114.490	51.479	63.011
2007	63640	8936.533	3648.384	5288.149	8.309	59.175	754.993	106.151	43.282	62.869
2008	63329	8944.180	3297.978	5646.202	8.916	63.127	743.019	105.091	38.694	66.397
2009	59918	8390.033	2812.306	5577.728	9.309	66.480	694.950	97.471	32.618	64.853
2010	58196	8157.570	2462.738	5694.831	9.786	69.810	667.105	93.685	28.231	65.455
2011	57577	8035.356	2161.096	5874.260	10.202	73.105	653.655	91.414	24.534	66.879
2012	57643	7970.766	1893.139	6077.627	10.543	76.249	647.566	89.752	21.268	68.484
2013	57325	7743.216	1649.687	6093.529	10.630	78.695	636.918	86.254	18.329	67.925
2014	57825	7774.935	1458.491	6316.444	10.923	81.241	635.260	85.658	16.023	69.635
2015	58717	7722.535	1308.912	6413.623	10.923	83.051	720.702	95.120	16.066	79.055
2016	59013	7600.353	1128.897	6471.456	10.966	85.147	717.193	92.723	13.720	79.004
2017	59394	7470.266	975.908	6494.359	10.934	86.936	714.757	90.274	11.744	78.530
2018	56481	6907.050	788.551	6118.499	10.833	88.583	673.003	82.675	9.396	73.279
2019	56324	6732.046	675.469	6056.577	10.753	89.966	664.397	79.801	7.968	71.833
2020	55788	6429.836	578.257	5851.579	10.489	91.007	744.964	86.373	7.722	78.652
2021	56810	6562.016	494.517	6067.499	10.680	92.464	752.810	87.513	6.553	80.960
2022	56380	6352.366	416.595	5935.771	10.528	93.442	741.115	84.075	5.476	78.599
2023	55926	6134.123	352.585	5781.538	10.338	94.252	729.114	80.557	4.597	75.960
2024	55393	5922.193	294.290	5627.903	10.160	95.031	716.312	77.179	3.806	73.374
2025	53952	5504.188	247.367	5256.821	9.744	95.506	803.972	82.789	3.686	79.103
2026	56002	5641.075	216.270	5424.805	9.687	96.166	830.897	84.526	3.209	81.317
2027	54954	5426.216	180.954	5245.262	9.545	96.665	811.648	80.982	2.673	78.310
2028	53875	5197.830	147.920	5049.910	9.373	97.154	791.956	77.249	2.174	75.075
2029	52789	4973.547	121.214	4852.332	9.192	97.563	772.123	73.590	1.773	71.817
2030	50316	4450.618	100.150	4350.468	8.646	97.750	869.310	77.952	1.730	76.221
2031	52917	4555.052	89.030	4466.023	8.440	98.045	912.420	79.674	1.535	78.139
2032	51634	4349.999	71.628	4278.371	8.286	98.353	887.983	75.939	1.232	74.708
2033	50362	4147.948	59.052	4088.896	8.119	98.576	863.441	72.237	1.012	71.224
2034	49080	3966.133	47.659	3918.474	7.984	98.798	838.612	68.881	0.814	68.066
2035	45526	3289.064	39.537	3249.527	7.138	98.798	949.929	69.952	0.825	69.127
2036	47444	3313.192	32.547	3280.645	6.915	99.018	990.691	70.572	0.680	69.892
2037	45947	3117.951	24.870	3093.081	6.732	99.202	959.516	66.464	0.519	65.945
2038	44491	2949.775	20.109	2929.666	6.585	99.318	928.447	62.876	0.420	62.456
2039	43092	2766.312	16.382	2749.930	6.382	99.408	897.738	58.905	0.341	58.564

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1362146	104899.750	48169.601	56730.15	4.165	54.080	372.043	28.800	13.157	15.643

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3178.126	28.937	0.089	0.902	469.694	46.342	45.924	0.418
1992	32560	3218.125	3137.168	80.956	0.249	2.516	464.104	45.871	44.716	1.154
1993	32768	3226.680	3073.322	153.358	0.468	4.753	460.482	45.344	43.188	2.156
1994	33006	3277.266	3032.541	244.725	0.741	7.467	456.920	45.370	41.981	3.389
1995	33732	3309.378	2958.532	350.846	1.040	10.602	459.725	45.104	40.321	4.784
1996	33754	3312.987	2838.497	474.490	1.406	14.322	454.036	44.568	38.182	6.386
1997	33705	3267.066	2672.575	594.491	1.764	18.196	447.081	43.341	35.451	7.891
1998	33282	3178.725	2469.798	708.927	2.130	22.302	435.248	41.577	32.299	9.278
1999	33903	3120.351	2294.695	825.656	2.435	26.460	437.371	40.264	29.603	10.661
2000	33843	3142.808	2176.752	966.056	2.854	30.739	431.146	40.050	27.731	12.320
2001	32527	2961.588	1923.801	1037.787	3.191	35.042	409.740	37.323	24.234	13.088
2002	32104	2940.627	1773.729	1166.898	3.635	39.682	400.415	36.695	22.123	14.573
2003	30599	2819.545	1576.464	1243.080	4.062	44.088	378.028	34.855	19.476	15.379
2004	29425	2730.466	1406.407	1324.059	4.500	48.492	359.846	33.417	17.199	16.218
2005	27996	2670.510	1263.697	1406.813	5.025	52.680	338.539	32.322	15.281	17.041
2006	27250	2623.285	1137.304	1485.981	5.453	56.646	326.588	31.474	13.630	17.843
2007	26357	2536.599	1001.629	1534.970	5.824	60.513	312.688	30.131	11.883	18.248
2008	26061	2469.443	889.857	1579.586	6.061	63.965	305.771	29.015	10.440	18.575
2009	25110	2386.945	780.775	1606.170	6.396	67.290	291.236	27.730	9.056	18.675
2010	24919	2329.274	690.497	1638.777	6.576	70.356	285.651	26.750	7.915	18.835
2011	24881	2286.581	608.371	1678.210	6.745	73.394	282.468	26.013	6.907	19.106
2012	24598	2243.311	534.275	1709.036	6.948	76.184	276.339	25.260	6.002	19.258
2013	24561	2176.503	463.365	1713.138	6.975	78.711	272.885	24.245	5.148	19.096
2014	25422	2211.619	420.802	1790.817	7.044	80.973	279.284	24.366	4.623	19.743
2015	26461	2237.016	384.799	1852.217	7.000	82.799	324.792	27.554	4.723	22.831
2016	26897	2229.057	342.420	1886.638	7.014	84.638	326.885	27.194	4.162	23.033
2017	27800	2221.649	304.896	1916.753	6.895	86.276	334.548	26.848	3.669	23.178
2018	25440	1939.420	238.821	1700.599	6.685	87.686	303.134	23.214	2.846	20.369
2019	25632	1904.400	206.820	1697.579	6.623	89.140	302.349	22.574	2.440	20.135
2020	25601	1806.054	176.284	1629.771	6.366	90.239	341.858	24.261	2.354	21.907
2021	25689	1748.172	150.685	1597.488	6.218	91.380	340.420	23.314	1.997	21.317
2022	25800	1701.148	129.346	1571.802	6.092	92.397	339.137	22.515	1.700	20.815
2023	25901	1652.087	111.220	1540.867	5.949	93.268	337.674	21.696	1.450	20.246
2024	25960	1597.127	94.085	1503.042	5.790	94.109	335.698	20.814	1.217	19.597
2025	25581	1467.622	78.107	1389.515	5.432	94.678	381.195	22.075	1.164	20.911
2026	25827	1390.505	65.672	1324.833	5.130	95.277	383.199	20.835	0.974	19.861
2027	25630	1342.095	55.532	1286.564	5.020	95.862	378.552	20.030	0.820	19.210
2028	25408	1289.536	46.739	1242.797	4.891	96.376	373.485	19.165	0.687	18.478
2029	25172	1242.216	39.098	1203.118	4.780	96.853	368.182	18.380	0.572	17.808
2030	24381	1096.803	31.313	1065.490	4.370	97.145	421.235	19.210	0.541	18.669
2031	24412	1019.991	25.608	994.383	4.073	97.489	420.920	17.841	0.442	17.399
2032	24083	977.406	21.084	956.322	3.971	97.843	414.171	17.063	0.363	16.700
2033	23745	937.450	17.816	919.633	3.873	98.100	407.101	16.326	0.305	16.020
2034	23382	900.763	14.765	885.998	3.789	98.361	399.524	15.644	0.252	15.391
2035	22247	745.023	11.429	733.595	3.297	98.466	464.207	15.845	0.238	15.607
2036	21424	680.360	8.768	671.592	3.135	98.711	447.368	14.492	0.183	14.309
2037	20927	644.109	7.192	636.917	3.043	98.883	437.032	13.730	0.150	13.580
2038	20430	612.448	6.037	606.411	2.968	99.014	426.342	13.055	0.126	12.929
2039	19941	577.529	5.068	572.461	2.871	99.122	415.434	12.298	0.106	12.192

Results for PHIM for Run 4 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0 Dual:0.5
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2182910	862051.244	532893.238	329158.0	15.079	38.183	596.218	236.673	145.549	91.124

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11583.812	19.121	0.072	0.165	383.818	167.661	167.385	0.276
1992	26828	11831.375	11778.597	52.778	0.197	0.446	382.401	168.642	167.889	0.753
1993	29774	13246.371	13132.611	113.760	0.382	0.859	418.408	186.148	184.547	1.600
1994	29805	13355.662	13174.887	180.775	0.607	1.354	412.607	184.893	182.387	2.507
1995	29757	13397.439	13129.197	268.242	0.901	2.002	405.549	182.598	178.934	3.664
1996	30904	13960.356	13585.497	374.858	1.213	2.685	415.698	187.801	182.744	5.057
1997	31134	14109.552	13619.195	490.357	1.575	3.475	412.977	187.180	180.653	6.526
1998	32105	14599.657	13957.864	641.793	1.999	4.396	419.846	190.958	182.533	8.425
1999	34629	15728.102	14894.495	833.607	2.407	5.300	446.739	202.950	192.149	10.801
2000	34317	15579.803	14589.044	990.759	2.887	6.359	437.178	198.541	185.857	12.684
2001	34616	15696.614	14502.979	1193.635	3.448	7.604	436.056	197.812	182.695	15.117
2002	34321	15519.777	14134.104	1385.674	4.037	8.928	428.064	193.668	176.286	17.382
2003	35112	15888.389	14250.638	1637.751	4.664	10.308	433.786	196.413	176.055	20.358
2004	33557	15091.573	13312.945	1778.628	5.300	11.786	410.381	184.701	162.808	21.894
2005	35449	15803.656	13677.179	2126.477	5.999	13.456	428.664	191.278	165.388	25.890
2006	34047	15100.563	12834.851	2265.713	6.655	15.004	408.044	181.174	153.824	27.350
2007	34077	14974.384	12466.251	2508.133	7.360	16.749	404.266	177.871	147.892	29.978
2008	37523	16406.197	13394.111	3012.086	8.027	18.359	440.246	192.768	157.150	35.618
2009	36936	16083.194	12808.822	3274.372	8.865	20.359	428.396	186.846	148.561	38.285
2010	36913	15927.400	12414.395	3513.005	9.517	22.056	423.133	182.917	142.307	40.610
2011	37779	16221.836	12315.716	3906.120	10.339	24.079	428.896	184.547	139.817	44.729
2012	38428	16358.849	12090.286	4268.563	11.108	26.093	431.697	184.202	135.822	48.380
2013	40302	16994.822	12196.494	4798.328	11.906	28.234	447.781	189.311	135.511	53.799
2014	40294	16855.093	11730.573	5124.520	12.718	30.403	442.664	185.696	128.871	56.824
2015	42444	17572.483	11928.815	5643.668	13.297	32.117	520.970	216.445	146.417	70.028
2016	42876	17579.955	11516.665	6063.291	14.142	34.490	521.078	214.473	139.965	74.509
2017	44671	18080.688	11424.600	6656.089	14.900	36.813	537.581	218.496	137.486	81.010
2018	45704	18209.262	11131.941	7077.322	15.485	38.867	544.588	217.960	132.644	85.315
2019	47264	18648.302	10976.000	7672.301	16.233	41.142	557.521	221.054	129.472	91.582
2020	48766	19002.597	10813.332	8189.265	16.793	43.096	651.206	255.266	144.396	110.870
2021	48809	18885.717	10294.492	8591.225	17.602	45.491	646.786	251.867	136.416	115.451
2022	50228	19235.076	10057.869	9177.207	18.271	47.711	660.252	254.582	132.212	122.370
2023	51657	19521.158	9808.277	9712.881	18.803	49.756	673.457	256.363	127.871	128.491
2024	53028	19918.620	9555.681	10362.94	19.542	52.026	685.727	259.583	123.569	136.015
2025	54077	20150.545	9262.781	10887.76	20.134	54.032	805.835	303.086	138.031	165.055
2026	54985	20393.792	8922.428	11471.36	20.863	56.249	815.808	305.582	132.382	173.200
2027	55862	20615.351	8557.629	12057.72	21.585	58.489	825.071	307.668	126.393	181.275
2028	56685	20731.894	8150.523	12581.37	22.195	60.686	833.253	308.115	119.811	188.304
2029	57469	20781.967	7729.519	13052.45	22.712	62.807	840.576	307.495	113.057	194.438
2030	57763	20753.201	7331.624	13421.58	23.236	64.672	997.966	363.487	126.668	236.819
2031	59398	21048.417	7172.838	13875.58	23.360	65.922	1024.16	368.165	123.677	244.488
2032	59965	21169.329	6796.977	14372.35	23.968	67.892	1031.26	369.560	116.892	252.668
2033	60493	21109.293	6392.246	14717.05	24.328	69.718	1037.14	367.618	109.594	258.025
2034	60946	21109.429	5987.652	15121.78	24.812	71.635	1041.38	366.613	102.310	264.303
2035	60338	20794.840	5603.250	15191.59	25.177	73.055	1259.00	442.268	116.916	325.352
2036	57419	19354.577	4927.695	14426.88	25.126	74.540	1199.00	412.258	102.897	309.360
2037	57420	19064.169	4480.817	14583.35	25.398	76.496	1199.12	406.385	93.574	312.811
2038	57389	18854.812	4108.513	14746.30	25.696	78.210	1197.59	401.900	85.737	316.163
2039	57349	18437.457	3691.816	14745.64	25.712	79.977	1194.74	392.602	76.912	315.690

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Control File Details for Run: 5

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.1
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_1
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 5, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 5, Scenario: Ecig

Variable Parameter

Value

1. Country
2. Sex
3. Assumption Set
Note:

US (United States)
M (Males)
ISS3
Period is in Months

Age	Period	Initiation		Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.001921	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.002360	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000188	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000093	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000047	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.002944	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.004193	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000412	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000578	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000218	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.003449	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.004264	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.001965	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000671	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000332	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.003294	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.004442	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000059	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.001351	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000661	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.002198	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.003788	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000304	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000239	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000119	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 5, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 5, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	11508	12.47	0	0.00			
5	All Ages	Ecig	15517	16.81					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26897	29.14			15.19	1705	6.34
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	320	9.03	0	0.00			
5	18-19	Ecig	659	18.59					
5	18-19	Dual	0	0.00					
5	18-19	Former	117	3.30			1.11	80	68.38
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	946	10.46	0	0.00			
5	20-24	Ecig	1826	20.20					
5	20-24	Dual	0	0.00					
5	20-24	Former	481	5.32			2.81	142	29.52
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	1942	19.78					
5	25-29	Dual	0	0.00					
5	25-29	Former	1148	11.70			5.43	115	10.02
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

5	30-34	Never Any	5065	47.50					
5	30-34	CC	1480	13.88	0	0.00			
5	30-34	Ecig	2319	21.75					
5	30-34	Dual	0	0.00					
5	30-34	Former	1800	16.88			6.94	106	5.89
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2275	20.84					
5	35-39	Dual	0	0.00					
5	35-39	Former	2421	22.18			8.20	114	4.71
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1894	19.15					
5	40-44	Dual	0	0.00					
5	40-44	Former	2774	28.05			12.06	130	4.69
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1562	18.05					
5	45-49	Dual	0	0.00					
5	45-49	Former	2945	34.03			14.20	148	5.03
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	1015	15.58					
5	50-54	Dual	0	0.00					
5	50-54	Former	2641	40.54			15.98	175	6.63
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	762	13.91					
5	55-59	Dual	0	0.00					
5	55-59	Former	2364	43.16			17.21	122	5.16
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	572	11.48					
5	60-64	Dual	0	0.00					
5	60-64	Former	2477	49.71			17.27	143	5.77
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	360	7.34					
5	65-69	Dual	0	0.00					
5	65-69	Former	2899	59.10			20.44	196	6.76
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	196	4.47					
5	70-74	Dual	0	0.00					
5	70-74	Former	2730	62.23			22.00	137	5.02
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	135	3.86					
5	75-79	Dual	0	0.00					
5	75-79	Former	2100	60.02			23.02	97	4.62
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	4843	5.15	0	0.00			
10	All Ages	Ecig	20724	22.03					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29348	31.19			16.84	1724	5.87
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	462	5.22	0	0.00			
10	20-24	Ecig	2544	28.76					
10	20-24	Dual	0	0.00					
10	20-24	Former	912	10.31			3.41	258	28.29
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	404	4.47	0	0.00			
10	25-29	Ecig	2359	26.10					
10	25-29	Dual	0	0.00					
10	25-29	Former	936	10.35			4.91	195	20.83
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	481	4.90	0	0.00			
10	30-34	Ecig	2608	26.57					
10	30-34	Dual	0	0.00					
10	30-34	Former	1451	14.78			8.66	118	8.13
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	2980	27.94					
10	35-39	Dual	0	0.00					
10	35-39	Former	2078	19.49			10.61	109	5.25
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	2857	26.17					
10	40-44	Dual	0	0.00					
10	40-44	Former	2768	25.36			11.82	124	4.48
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2312	23.38					
10	45-49	Dual	0	0.00					
10	45-49	Former	3152	31.87			15.25	163	5.17
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	1859	21.48					
10	50-54	Dual	0	0.00					
10	50-54	Former	3411	39.41			16.85	186	5.45
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1194	18.33					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		3039	46.65			18.50	146	4.80
10	60-64	Never Any		1611	29.41					
10	60-64	CC		306	5.59	0	0.00			
10	60-64	Ecig		852	15.56					
10	60-64	Dual		0	0.00					
10	60-64	Former		2708	49.44			19.63	144	5.32
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		244	4.90	0	0.00			
10	65-69	Ecig		603	12.10					
10	65-69	Dual		0	0.00					
10	65-69	Former		2799	56.17			19.95	120	4.29
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		236	4.81	0	0.00			
10	70-74	Ecig		327	6.67					
10	70-74	Dual		0	0.00					
10	70-74	Former		3173	64.69			23.44	94	2.96
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		214	4.88	0	0.00			
10	75-79	Ecig		229	5.22					
10	75-79	Dual		0	0.00					
10	75-79	Former		2921	66.58			25.38	67	2.29
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		1911	2.13	0	0.00			
15	All Ages	Ecig		20003	22.30					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		30342	33.82			18.46	1574	5.19
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		179	2.02	0	0.00			
15	25-29	Ecig		2661	30.08					
15	25-29	Dual		0	0.00					
15	25-29	Former		1371	15.50			6.32	174	12.69
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		153	1.69	0	0.00			
15	30-34	Ecig		2479	27.42					
15	30-34	Dual		0	0.00					
15	30-34	Former		1366	15.11			7.38	171	12.52
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		188	1.92	0	0.00			

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15	35-39	Ecig	2654	27.04					
15	35-39	Dual	0	0.00					
15	35-39	Former	1811	18.45			11.33	147	8.12
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	2948	27.64					
15	40-44	Dual	0	0.00					
15	40-44	Former	2488	23.33			13.32	199	8.00
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	2793	25.59					
15	45-49	Dual	0	0.00					
15	45-49	Former	3183	29.16			14.88	160	5.03
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	2180	22.04					
15	50-54	Dual	0	0.00					
15	50-54	Former	3555	35.95			18.19	154	4.33
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	1781	20.58					
15	55-59	Dual	0	0.00					
15	55-59	Former	3747	43.29			20.09	117	3.12
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	1100	16.88					
15	60-64	Dual	0	0.00					
15	60-64	Former	3353	51.47			21.47	156	4.65
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	705	12.87					
15	65-69	Dual	0	0.00					
15	65-69	Former	3037	55.45			22.19	118	3.89
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	441	8.85					
15	70-74	Dual	0	0.00					
15	70-74	Former	3076	61.73			22.89	112	3.64
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	261	5.32					
15	75-79	Dual	0	0.00					
15	75-79	Former	3355	68.40			27.01	66	1.97
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	738	0.87	0	0.00			
20	All Ages	Ecig	17076	20.14					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	30883	36.42			19.82	1518	4.92
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	71	0.80	0	0.00			
20	30-34	Ecig	2376	26.86					
20	30-34	Dual	0	0.00					
20	30-34	Former	1890	21.37			8.72	230	12.17
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	59	0.65	0	0.00			
20	35-39	Ecig	2154	23.83					
20	35-39	Dual	0	0.00					
20	35-39	Former	1836	20.31			9.77	141	7.68
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2416	24.61					
20	40-44	Dual	0	0.00					
20	40-44	Former	2169	22.10			13.96	143	6.59
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	2619	24.56					
20	45-49	Dual	0	0.00					
20	45-49	Former	2959	27.75			15.74	171	5.78
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2490	22.81					
20	50-54	Dual	0	0.00					
20	50-54	Former	3615	33.12			17.75	174	4.81
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	1859	18.80					
20	55-59	Dual	0	0.00					
20	55-59	Former	4004	40.49			20.81	181	4.52
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1428	16.50					
20	60-64	Dual	0	0.00					
20	60-64	Former	4228	48.85			22.41	241	5.70
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	809	12.42					
20	65-69	Dual	0	0.00					
20	65-69	Former	3727	57.21			24.03	133	3.57
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	574	10.48					
20	70-74	Dual	0	0.00					
20	70-74	Former	3223	58.85			25.75	61	1.89
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	351	7.04					
20	75-79	Dual	0	0.00					
20	75-79	Former	3232	64.86			26.66	43	1.33
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	289	0.36	0	0.00			
25	All Ages	Ecig	14107	17.67					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	30674	38.43			21.87	1088	3.55
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	28	0.32	0	0.00			
25	35-39	Ecig	1990	22.50					
25	35-39	Dual	0	0.00					
25	35-39	Former	2338	26.43			11.53	142	6.07
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	20	0.22	0	0.00			
25	40-44	Ecig	1897	20.98					
25	40-44	Dual	0	0.00					

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25	40-44	Former	2132	23.58			13.01	112	5.25
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5163	52.60					
25	45-49	CC	29	0.30	0	0.00			
25	45-49	Ecig	2195	22.36					
25	45-49	Dual	0	0.00					
25	45-49	Former	2429	24.75			17.18	81	3.33
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4997	46.86					
25	50-54	CC	37	0.35	0	0.00			
25	50-54	Ecig	2387	22.38					
25	50-54	Dual	0	0.00					
25	50-54	Former	3243	30.41			19.10	130	4.01
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4724	43.28					
25	55-59	CC	33	0.30	0	0.00			
25	55-59	Ecig	2103	19.27					
25	55-59	Dual	0	0.00					
25	55-59	Former	4056	37.16			20.50	162	3.99
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	28	0.28	0	0.00			
25	60-64	Ecig	1443	14.59					
25	60-64	Dual	0	0.00					
25	60-64	Former	4477	45.27			23.28	205	4.58
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	43	0.50	0	0.00			
25	65-69	Ecig	1019	11.77					
25	65-69	Dual	0	0.00					
25	65-69	Former	4681	54.08			24.99	134	2.86
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	35	0.54	0	0.00			
25	70-74	Ecig	616	9.46					
25	70-74	Dual	0	0.00					
25	70-74	Former	3945	60.55			27.55	70	1.77
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	36	0.66	0	0.00			
25	75-79	Ecig	457	8.34					
25	75-79	Dual	0	0.00					
25	75-79	Former	3373	61.58			29.48	52	1.54
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	33136	44.57					
30	All Ages	CC	100	0.13	0	0.00			
30	All Ages	Ecig	11358	15.28					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	29746	40.01			23.97	918	3.09
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	12	0.14	0	0.00			
30	40-44	Ecig	1743	19.71					
30	40-44	Dual	0	0.00					
30	40-44	Former	2601	29.41			15.05	107	4.11
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	5	0.06	0	0.00			
30	45-49	Ecig	1690	18.69					
30	45-49	Dual	0	0.00					
30	45-49	Former	2354	26.04			16.54	63	2.68
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	2021	20.59					
30	50-54	Dual	0	0.00					
30	50-54	Former	2623	26.72			20.66	99	3.77
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	2002	18.77					
30	55-59	Dual	0	0.00					
30	55-59	Former	3647	34.20			21.65	157	4.30
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	1614	14.79					
30	60-64	Dual	0	0.00					
30	60-64	Former	4568	41.85			22.87	203	4.44
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	1039	10.51					
30	65-69	Dual	0	0.00					
30	65-69	Former	4896	49.51			26.05	145	2.96
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	770	8.90					
30	70-74	Dual	0	0.00					
30	70-74	Former	4955	57.25			28.45	93	1.88
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	479	7.35					
30	75-79	Dual	0	0.00					
30	75-79	Former	4102	62.96			31.39	51	1.24
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	38	0.06	0	0.00			
35	All Ages	Ecig	8864	13.07					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	27706	40.85			25.87	785	2.83
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	7	0.08	0	0.00			
35	45-49	Ecig	1541	17.42					
35	45-49	Dual	0	0.00					
35	45-49	Former	2808	31.75			18.76	60	2.14
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	3	0.03	0	0.00			
35	50-54	Ecig	1554	17.19					
35	50-54	Dual	0	0.00					
35	50-54	Former	2492	27.57			20.44	75	3.01
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1664	16.95					
35	55-59	Dual	0	0.00					
35	55-59	Former	2989	30.45			22.76	155	5.19
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	1532	14.37					
35	60-64	Dual	0	0.00					
35	60-64	Former	4126	38.69			23.79	186	4.51
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	1169	10.71					
35	65-69	Dual	0	0.00					
35	65-69	Former	5018	45.97			25.57	158	3.15
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	811	8.20					
35	70-74	Dual	0	0.00					
35	70-74	Former	5132	51.90			29.73	79	1.54
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	593	6.85					
35	75-79	Dual	0	0.00					
35	75-79	Former	5141	59.40			32.31	72	1.40
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	15	0.03	0	0.00			
40	All Ages	Ecig	6535	11.04					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	24315	41.09			27.43	691	2.84
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	30-34	Never Any		0	.				0	.
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 55-59										
40	50-54	Never Any		4489	50.75					
40	50-54	CC		3	0.03	0	0.00			
40	50-54	Ecig		1392	15.74					
40	50-54	Dual		0	0.00					
40	50-54	Former		2961	33.48			22.61	80	2.70
Year of Follow-up: 2030, Age Group: 60-64										
40	55-59	Never Any		4991	55.21					
40	55-59	CC		2	0.02	0	0.00			
40	55-59	Ecig		1291	14.28					
40	55-59	Dual		0	0.00					
40	55-59	Former		2756	30.49			23.19	114	4.14
Year of Follow-up: 2030, Age Group: 65-69										
40	60-64	Never Any		5163	52.60					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		1238	12.61					
40	60-64	Dual		0	0.00					
40	60-64	Former		3415	34.79			24.53	183	5.36
Year of Follow-up: 2030, Age Group: 70-74										
40	65-69	Never Any		4997	46.86					
40	65-69	CC		4	0.04	0	0.00			
40	65-69	Ecig		1119	10.49					
40	65-69	Dual		0	0.00					
40	65-69	Former		4544	42.61			26.35	136	2.99
Year of Follow-up: 2030, Age Group: 75-79										
40	70-74	Never Any		4724	43.28					
40	70-74	CC		3	0.03	0	0.00			
40	70-74	Ecig		880	8.06					
40	70-74	Dual		0	0.00					
40	70-74	Former		5309	48.64			29.01	95	1.79
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		3941	39.85					
40	75-79	CC		3	0.03	0	0.00			

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

40	75-79	Ecig	615	6.22					
40	75-79	Dual	0	0.00					
40	75-79	Former	5330	53.90			33.51	83	1.56
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	6	0.01	0	0.00			
45	All Ages	Ecig	4578	9.29					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	20333	41.26			28.82	538	2.65
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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45	55-59	Never Any	4489	50.75					
45	55-59	CC	2	0.02	0	0.00			
45	55-59	Ecig	1171	13.24					
45	55-59	Dual	0	0.00					
45	55-59	Former	3183	35.99			25.82	100	3.14
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	1020	11.28					
45	60-64	Dual	0	0.00					
45	60-64	Former	3029	33.51			25.81	129	4.26
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	902	9.19					
45	65-69	Dual	0	0.00					
45	65-69	Former	3751	38.21			27.09	106	2.83
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	850	7.97					
45	70-74	Dual	0	0.00					
45	70-74	Former	4816	45.16			29.70	104	2.16
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	635	5.82					
45	75-79	Dual	0	0.00					
45	75-79	Former	5554	50.88			32.60	99	1.78
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	2868	7.48					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	15856	41.33			30.34	408	2.57
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	865	9.78					
50	60-64	Dual	0	0.00					
50	60-64	Former	3491	39.47			28.27	129	3.70
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	705	7.80					
50	65-69	Dual	0	0.00					
50	65-69	Former	3344	36.99			28.11	120	3.59
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	665	6.77					
50	70-74	Dual	0	0.00					
50	70-74	Former	3988	40.63			30.31	80	2.01
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	633	5.94					
50	75-79	Dual	0	0.00					
50	75-79	Former	5033	47.20			33.29	79	1.57

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	3104046.546	1405344	10.688	31.165	3806.31	1305.37	898.554	406.817

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123597.528	401.915	0.128	0.324	4883.81	1933.45	1927.18	6.267
1992	308577	122014.015	120939.541	1074.474	0.348	0.881	4729.73	1870.18	1853.71	16.469
1993	311713	122810.618	120795.239	2015.379	0.647	1.641	4692.62	1848.83	1818.49	30.340
1994	305700	119925.592	116832.080	3093.512	1.012	2.580	4516.19	1771.69	1725.99	45.701
1995	303225	117896.496	113543.966	4352.530	1.435	3.692	4393.80	1708.35	1645.28	63.069
1996	299559	115698.645	109961.901	5736.744	1.915	4.958	4273.16	1650.42	1568.59	81.834
1997	294226	113359.847	106232.334	7127.513	2.422	6.288	4128.67	1590.70	1490.69	100.016
1998	289258	111444.212	102922.575	8521.637	2.946	7.647	3992.19	1538.10	1420.49	117.611
1999	311002	114877.722	103492.683	11385.04	3.661	9.911	4224.60	1560.48	1405.83	154.653
2000	303786	112379.704	99405.356	12974.35	4.271	11.545	4066.21	1504.22	1330.55	173.663
2001	296294	110024.943	95346.688	14678.25	4.954	13.341	3914.28	1453.52	1259.61	193.912
2002	291898	108289.173	91704.255	16584.92	5.682	15.315	3813.00	1414.56	1197.91	216.645
2003	285865	106539.023	88272.843	18266.18	6.390	17.145	3695.36	1377.22	1141.10	236.126
2004	274177	103037.251	83537.219	19500.03	7.112	18.925	3506.10	1317.61	1068.25	249.361
2005	272379	103044.562	81769.435	21275.13	7.811	20.647	3442.69	1302.41	1033.51	268.903
2006	264118	99672.555	76892.062	22780.49	8.625	22.855	3307.76	1248.28	962.981	285.298
2007	258419	97839.152	73793.443	24045.71	9.305	24.577	3203.20	1212.75	914.696	298.055
2008	259461	98075.852	72430.681	25645.17	9.884	26.148	3180.09	1202.07	887.750	314.321
2009	253907	95617.338	68862.223	26755.11	10.537	27.981	3075.31	1158.11	834.057	324.057
2010	251878	94607.988	66607.772	28000.22	11.117	29.596	3013.72	1131.98	796.962	335.022
2011	251779	93633.119	64102.773	29530.35	11.729	31.538	2982.76	1109.25	759.410	349.839
2012	252643	92775.175	61748.187	31026.99	12.281	33.443	2960.61	1087.19	723.598	363.591
2013	256175	92345.780	59785.077	32560.70	12.710	35.260	2967.76	1069.82	692.604	377.212
2014	257393	91379.215	57541.473	33837.74	13.146	37.030	2947.05	1046.26	658.827	387.429
2015	259782	90750.242	55771.258	34978.98	13.465	38.544	3346.10	1168.90	718.357	450.544
2016	261453	88811.996	52658.840	36153.16	13.828	40.708	3336.15	1133.24	671.929	461.316
2017	263685	87325.126	50121.358	37203.77	14.109	42.604	3333.85	1104.08	633.700	470.379
2018	258714	87612.144	49515.640	38096.50	14.725	43.483	3240.73	1097.46	620.248	477.208
2019	261438	87797.760	48343.140	39454.62	15.091	44.938	3242.99	1089.08	599.669	489.412
2020	262288	87221.042	46995.269	40225.77	15.336	46.119	3715.29	1235.48	665.684	569.795
2021	255079	82001.292	42192.265	39809.03	15.607	48.547	3587.82	1153.39	593.455	559.934
2022	257097	81915.977	40855.313	41060.66	15.971	50.125	3588.53	1143.37	570.254	573.121
2023	259080	81810.810	39559.704	42251.11	16.308	51.645	3586.88	1132.64	547.692	584.953
2024	260719	81528.303	38269.029	43259.27	16.592	53.060	3579.65	1119.38	525.431	593.947
2025	257308	79599.213	36626.715	42972.50	16.701	53.986	4112.08	1272.09	585.337	686.750
2026	251528	75082.462	32882.997	42199.47	16.777	56.204	4003.24	1194.99	523.355	671.633
2027	250988	74444.425	31491.593	42952.83	17.113	57.698	3976.53	1179.46	498.937	680.523
2028	250285	73699.585	30028.465	43671.12	17.449	59.256	3945.35	1161.76	473.352	688.407
2029	249525	72819.703	28611.739	44207.96	17.717	60.709	3910.99	1141.36	448.453	692.904
2030	240528	69309.277	26813.646	42495.63	17.668	61.313	4504.36	1297.95	502.137	795.812
2031	235442	65433.368	24057.012	41376.36	17.574	63.234	4397.65	1222.18	449.343	772.838
2032	234017	64643.552	22863.000	41780.55	17.854	64.632	4356.12	1203.31	425.584	777.725
2033	232559	63793.514	21751.443	42042.07	18.078	65.903	4310.93	1182.54	403.205	779.331
2034	230963	63032.151	20697.423	42334.73	18.330	67.164	4260.75	1162.80	381.821	780.980
2035	215822	57653.301	18911.031	38742.27	17.951	67.199	4924.38	1315.47	431.491	883.979
2036	208183	52988.733	16169.110	36819.62	17.686	69.486	4748.94	1208.75	368.840	839.906
2037	205491	52026.921	15216.330	36810.59	17.913	70.753	4682.40	1185.50	346.724	838.778
2038	202834	50943.211	14273.132	36670.08	18.079	71.982	4612.18	1158.38	324.553	833.831
2039	200251	50085.991	13480.696	36605.30	18.280	73.085	4538.65	1135.19	305.538	829.653

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1775558.458	469429.7	15.311	20.910	887.537	649.875	513.986	135.890

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62872.703	45.699	0.058	0.073	1223.41	981.049	980.337	0.713
1992	77987	62366.766	62244.448	122.318	0.157	0.196	1195.35	955.930	954.055	1.875
1993	78542	62652.888	62412.321	240.567	0.306	0.384	1182.39	943.195	939.573	3.622
1994	77437	61565.227	61186.281	378.946	0.489	0.616	1144.00	909.520	903.922	5.598
1995	76904	60851.961	60301.005	550.956	0.716	0.905	1114.36	881.759	873.775	7.983
1996	76232	60122.922	59355.549	767.372	1.007	1.276	1087.44	857.643	846.696	10.946
1997	75473	59237.155	58237.816	999.338	1.324	1.687	1059.06	831.234	817.211	14.023
1998	75381	58906.696	57619.155	1287.541	1.708	2.186	1040.37	813.001	795.231	17.770
1999	73159	56930.073	55361.297	1568.776	2.144	2.756	993.781	773.329	752.019	21.310
2000	73784	57137.121	55203.407	1933.714	2.621	3.384	987.608	764.787	738.904	25.883
2001	73294	56481.726	54135.668	2346.058	3.201	4.154	968.273	746.169	715.176	30.993
2002	72442	55588.365	52811.598	2776.768	3.833	4.995	946.293	726.138	689.866	36.272
2003	71942	54945.856	51694.100	3251.756	4.520	5.918	929.989	710.281	668.246	42.035
2004	71301	54203.126	50427.308	3775.818	5.296	6.966	911.778	693.135	644.851	48.284
2005	70964	53744.603	49430.878	4313.725	6.079	8.026	896.937	679.296	624.773	54.523
2006	69658	52535.572	47658.972	4876.600	7.001	9.282	872.383	657.945	596.871	61.074
2007	68565	51492.124	46061.448	5430.676	7.920	10.547	849.888	638.264	570.948	67.315
2008	68226	51030.736	44931.755	6098.980	8.939	11.952	836.215	625.460	550.708	74.752
2009	67509	50276.199	43509.866	6766.333	10.023	13.458	817.667	608.943	526.990	81.954
2010	67196	49840.933	42407.763	7433.170	11.062	14.914	804.000	596.347	507.409	88.938
2011	66506	49072.841	40906.971	8165.870	12.278	16.640	787.880	581.354	484.615	96.739
2012	66155	48539.512	39589.429	8950.083	13.529	18.439	775.240	568.812	463.930	104.882
2013	65333	47675.741	38032.573	9643.168	14.760	20.227	756.876	552.318	440.603	111.715
2014	65033	47194.534	36827.121	10367.41	15.942	21.967	744.602	540.359	421.656	118.703
2015	64145	46305.842	35316.747	10989.09	17.132	23.732	726.215	526.215	404.895	126.324
2016	61618	44208.867	32870.384	11338.48	18.401	25.648	706.248	514.107	400.427	135.781
2017	59897	42702.624	30944.286	11758.34	19.631	27.535	691.297	503.903	391.238	148.664
2018	62468	44321.202	31137.742	13183.46	21.104	29.745	672.490	500.041	390.041	165.140
2019	63045	44493.088	30365.323	14127.77	22.409	31.753	662.035	500.041	390.041	165.140
2020	63466	44529.551	29522.026	15007.53	23.647	33.702	652.991	500.041	390.041	165.140
2021	57113	39852.556	25570.761	14281.80	25.006	35.837	643.323	500.041	390.041	165.140
2022	57440	39853.685	24697.146	15156.54	26.387	38.030	634.745	500.041	390.041	165.140
2023	57738	39847.050	23834.970	16012.08	27.732	40.184	626.366	500.041	390.041	165.140
2024	57942	39726.010	22956.895	16769.11	28.941	42.212	618.199	500.041	390.041	165.140
2025	57521	39207.348	21934.786	17272.56	30.028	44.054	610.146	500.041	390.041	165.140
2026	51428	34803.960	18759.021	16044.94	31.199	46.101	602.093	500.041	390.041	165.140
2027	51172	34484.595	17860.372	16624.22	32.487	48.208	594.040	500.041	390.041	165.140
2028	50870	34100.638	16935.849	17164.79	33.743	50.336	586.087	500.041	390.041	165.140
2029	50540	33669.838	16048.144	17621.69	34.867	52.337	578.034	500.041	390.041	165.140
2030	49109	32557.688	15013.496	17544.19	35.725	53.886	570.081	500.041	390.041	165.140
2031	43585	28646.393	12704.522	15941.87	36.576	55.651	562.028	500.041	390.041	165.140
2032	43163	28227.160	11998.356	16228.80	37.599	57.494	554.075	500.041	390.041	165.140
2033	42725	27786.623	11344.801	16441.82	38.483	59.172	546.022	500.041	390.041	165.140
2034	42256	27348.299	10728.044	16620.25	39.333	60.773	538.069	500.041	390.041	165.140
2035	39748	25570.077	9792.207	15777.87	39.694	61.704	530.016	500.041	390.041	165.140
2036	34030	21717.319	7866.979	13850.34	40.700	63.776	522.063	500.041	390.041	165.140
2037	33454	21256.024	7370.170	13885.85	41.508	65.327	514.010	500.041	390.041	165.140
2038	32883	20747.175	6889.209	13857.97	42.143	66.794	506.057	500.041	390.041	165.140
2039	32325	20327.688	6491.055	13836.63	42.805	68.068	498.004	500.041	390.041	165.140

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6360041	1098877.421	553680.078	545197.3	8.572	49.614	1841.09	318.101	160.278	157.823

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	37012.736	297.102	0.177	0.796	2620.21	581.750	577.118	4.633
1992	164548	36137.488	35339.718	797.770	0.485	2.208	2522.12	553.899	541.671	12.228
1993	164362	35599.588	34124.933	1474.655	0.897	4.142	2474.35	535.926	513.727	22.200
1994	159866	34336.757	32090.076	2246.682	1.405	6.543	2361.75	507.267	474.076	33.191
1995	158083	33455.759	30320.139	3135.620	1.984	9.372	2290.66	484.782	439.346	45.436
1996	154875	32193.824	28117.322	4076.503	2.632	12.662	2209.26	459.239	401.089	58.151
1997	149970	30665.509	25679.327	4986.182	3.325	16.260	2104.43	430.308	360.340	69.968
1998	145407	29188.430	23352.493	5835.937	4.014	19.994	2006.83	402.844	322.299	80.545
1999	165952	33375.386	25264.589	8110.797	4.887	24.302	2254.27	453.366	343.190	110.176
2000	160260	32024.754	22953.831	9070.923	5.660	28.325	2145.10	428.655	307.240	121.415
2001	154444	30682.393	20612.716	10069.68	6.520	32.819	2040.33	405.339	272.311	133.029
2002	151887	30218.370	18978.910	11239.46	7.400	37.194	1984.06	394.736	247.917	146.818
2003	146733	29175.202	17075.945	12099.26	8.246	41.471	1896.81	377.146	220.739	156.406
2004	138381	27488.687	14942.696	12545.99	9.066	45.641	1769.58	351.518	191.083	160.435
2005	135881	27017.439	13665.301	13352.14	9.826	49.420	1717.44	341.482	172.720	168.762
2006	131922	26231.435	12195.366	14036.07	10.640	53.509	1652.16	328.517	152.732	175.785
2007	126502	25103.049	10777.568	14325.48	11.324	57.067	1568.04	311.161	133.592	177.570
2008	125859	24621.740	9845.924	14775.82	11.740	60.011	1542.60	301.777	120.677	181.100
2009	122428	23741.177	8818.264	14922.91	12.189	62.857	1482.84	287.552	106.806	180.746
2010	120537	23189.160	8028.880	15160.28	12.577	65.377	1442.22	277.458	96.066	181.393
2011	120221	22786.927	7296.583	15490.34	12.885	67.979	1424.23	269.951	86.441	183.510
2012	120927	22485.295	6699.570	15785.73	13.054	70.205	1417.09	263.495	78.509	184.986
2013	122648	22251.884	6197.161	16054.72	13.090	72.150	1420.86	257.786	71.793	185.992
2014	123229	21894.593	5710.708	16183.89	13.133	73.917	1410.92	250.685	65.385	185.299
2015	123774	21471.109	5281.842	16189.27	13.080	75.400	1594.26	276.557	68.032	208.525
2016	126218	21411.568	4923.496	16488.07	13.063	77.005	1610.55	273.213	62.824	210.388
2017	128265	21169.399	4582.200	16587.20	12.932	78.355	1621.69	267.651	57.934	209.717
2018	121429	19830.576	4024.543	15806.03	13.017	79.705	1521.05	248.404	50.413	197.991
2019	121832	19431.014	3751.122	15679.89	12.870	80.695	1511.26	241.031	46.531	194.500
2020	120811	18532.612	3417.742	15114.87	12.511	81.558	1711.27	262.513	48.412	214.101
2021	119407	18234.128	3174.162	15059.97	12.612	82.592	1679.51	256.472	44.646	211.826
2022	119438	17812.559	2952.151	14860.41	12.442	83.427	1667.10	248.626	41.206	207.420
2023	119445	17361.668	2747.736	14613.93	12.235	84.174	1653.68	240.367	38.042	202.325
2024	119305	16929.676	2581.639	14348.04	12.026	84.751	1638.05	232.443	35.446	196.998
2025	115685	15501.666	2290.695	13210.97	11.420	85.223	1848.78	247.735	36.608	211.127
2026	115073	15523.814	2214.311	13309.50	11.566	85.736	1831.46	247.072	35.242	211.830
2027	113989	15073.070	2090.980	12982.09	11.389	86.128	1805.98	238.810	33.128	205.682
2028	112855	14636.710	1965.717	12670.99	11.228	86.570	1778.98	230.725	30.986	199.739
2029	111718	14180.166	1858.369	12321.80	11.029	86.895	1751.04	222.256	29.128	193.129
2030	104851	12111.772	1555.555	10556.22	10.068	87.157	1963.54	226.816	29.131	197.685
2031	105289	12417.367	1570.934	10846.43	10.302	87.349	1966.62	231.935	29.342	202.592
2032	103879	12054.064	1492.682	10561.38	10.167	87.617	1933.67	224.381	27.786	196.595
2033	102485	11672.389	1410.452	10261.94	10.013	87.916	1899.76	216.370	26.145	190.225
2034	101070	11365.762	1355.478	10010.28	9.904	88.074	1864.51	209.673	25.005	184.667
2035	90820	8580.360	999.537	7580.823	8.347	88.351	2072.23	195.777	22.806	172.971
2036	92117	8948.841	1025.935	7922.906	8.601	88.536	2101.31	204.135	23.403	180.732
2037	90327	8624.570	983.634	7640.935	8.459	88.595	2058.21	196.522	22.413	174.109
2038	88590	8315.017	930.810	7384.206	8.335	88.806	2014.42	189.073	21.165	167.907
2039	86921	8001.132	885.876	7115.256	8.186	88.928	1970.05	181.344	20.078	161.266

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	1489699	149918.462	74440.445	75478.02	5.067	50.346	431.236	43.398	21.549	21.849

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	0.000
1991	32619	4555.566	4517.565	38.001	0.116	0.834	508.609	71.032	0.593
1992	32100	4453.572	4354.141	99.432	0.310	2.233	492.014	68.262	1.524
1993	32896	4462.473	4274.762	187.711	0.571	4.206	495.226	67.179	2.826
1994	33323	4499.513	4203.577	295.937	0.888	6.577	492.290	66.473	4.372
1995	33569	4472.774	4053.495	419.279	1.249	9.374	486.422	64.812	6.075
1996	33870	4406.878	3851.326	555.553	1.640	12.606	483.150	62.863	7.925
1997	33516	4288.158	3594.393	693.765	2.070	16.179	470.307	60.173	9.735
1998	32795	4120.148	3300.333	819.815	2.500	19.898	452.620	56.864	11.315
1999	33375	3982.443	3037.020	945.422	2.833	23.740	453.361	54.097	12.842
2000	33459	4021.411	2911.229	1110.183	3.318	27.607	447.853	53.827	14.860
2001	32275	3848.092	2627.106	1220.986	3.783	31.730	426.379	50.836	16.130
2002	31586	3783.081	2432.844	1350.237	4.275	35.691	412.601	49.418	17.638
2003	30985	3754.415	2261.466	1492.949	4.818	39.765	400.541	48.533	19.299
2004	29884	3666.274	2065.252	1601.022	5.357	43.669	382.149	46.883	20.473
2005	28708	3589.688	1885.894	1703.794	5.935	47.464	362.850	45.371	21.535
2006	28188	3596.985	1752.204	1844.781	6.545	51.287	353.021	45.048	23.104
2007	28026	3560.798	1611.465	1949.332	6.955	54.744	347.392	44.137	24.163
2008	27128	3417.001	1438.022	1978.980	7.295	57.916	332.495	41.881	24.255
2009	27068	3394.390	1329.071	2065.319	7.630	60.845	327.847	41.113	25.015
2010	26911	3340.137	1222.108	2118.029	7.870	63.411	321.990	39.965	25.342
2011	26959	3285.435	1120.830	2164.604	8.029	65.885	319.377	38.922	25.644
2012	27057	3259.209	1031.496	2227.713	8.233	68.351	317.068	38.193	26.106
2013	27904	3274.703	966.024	2308.679	8.274	70.500	323.265	37.937	26.746
2014	28792	3298.083	906.142	2391.941	8.308	72.525	329.657	37.762	27.387
2015	29560	3244.406	838.479	2405.927	8.139	74.156	380.745	41.789	30.989
2016	30513	3314.836	802.479	2512.357	8.234	75.791	389.347	42.297	32.058
2017	31416	3333.314	756.889	2576.425	8.201	77.293	397.202	42.144	32.575
2018	29348	2925.242	628.306	2296.936	7.826	78.521	367.626	36.642	28.772
2019	29598	2864.628	583.196	2281.432	7.708	79.641	367.149	35.534	28.300
2020	29592	2730.366	528.980	2201.387	7.439	80.626	419.174	38.675	31.182
2021	30097	2647.911	486.996	2160.914	7.180	81.608	423.328	37.244	30.394
2022	30304	2586.165	450.997	2135.168	7.046	82.561	422.974	36.097	29.802
2023	30505	2517.960	418.576	2099.384	6.882	83.376	422.337	34.860	29.065
2024	30661	2454.161	391.548	2062.613	6.727	84.046	420.968	33.695	28.320
2025	30254	2275.364	349.332	1926.032	6.366	84.647	483.488	36.363	30.780
2026	30685	2183.166	323.295	1859.871	6.061	85.191	488.380	34.747	29.601
2027	30561	2112.345	303.036	1809.309	5.920	85.654	484.196	33.467	28.666
2028	30412	2046.677	284.234	1762.443	5.795	86.112	479.392	32.263	27.782
2029	30254	1977.671	267.049	1710.623	5.654	86.497	474.195	30.997	26.812
2030	29330	1744.457	229.696	1514.761	5.165	86.833	549.260	32.668	28.367
2031	28976	1653.738	212.973	1440.765	4.972	87.122	541.223	30.889	26.911
2032	28724	1603.120	200.360	1402.760	4.884	87.502	534.690	29.841	26.112
2033	28464	1548.245	189.168	1359.077	4.775	87.782	527.627	28.700	25.193
2034	28178	1511.985	181.022	1330.963	4.723	88.028	519.826	27.893	24.553
2035	26737	1239.866	145.857	1094.008	4.092	88.236	610.065	28.290	24.962
2036	25591	1182.522	136.400	1046.122	4.088	88.465	583.762	26.975	23.863
2037	25143	1134.483	130.596	1003.887	3.993	88.488	572.916	25.851	22.875
2038	24693	1093.537	123.390	970.147	3.929	88.716	561.491	24.866	22.060
2039	24247	1047.905	116.661	931.244	3.841	88.867	549.553	23.751	21.106

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	700367.564	315239.0	14.116	31.039	646.447	293.996	202.741	91.255

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19194.523	21.113	0.062	0.110	531.576	299.618	299.289	0.329
1992	33942	19056.189	19001.235	54.955	0.162	0.288	520.248	292.085	291.242	0.842
1993	35913	20095.670	19983.224	112.446	0.313	0.560	540.645	302.526	300.833	1.693
1994	35074	19524.095	19352.147	171.948	0.490	0.881	518.158	288.435	285.895	2.540
1995	34669	19116.002	18869.328	246.674	0.712	1.290	502.362	276.995	273.421	3.574
1996	34582	18975.021	18637.705	337.317	0.975	1.778	493.306	270.675	265.864	4.812
1997	35267	19169.025	18720.798	448.227	1.271	2.338	494.878	268.986	262.696	6.290
1998	35675	19228.937	18650.594	578.344	1.621	3.008	492.368	265.388	257.406	7.982
1999	38516	20589.820	19829.776	760.044	1.973	3.691	523.195	279.689	269.365	10.324
2000	36283	19196.417	18336.888	859.529	2.369	4.478	485.652	256.946	245.442	11.505
2001	36281	19012.731	17971.198	1041.533	2.871	5.478	479.301	251.174	237.414	13.759
2002	35983	18699.357	17480.904	1218.453	3.386	6.516	470.038	244.265	228.349	15.916
2003	36205	18663.550	17241.331	1422.219	3.928	7.620	468.019	241.262	222.877	18.385
2004	34611	17679.164	16101.963	1577.201	4.557	8.921	442.596	226.076	205.908	20.169
2005	36826	18692.832	16787.361	1905.470	5.174	10.194	465.456	236.265	212.181	24.084
2006	34350	17308.564	15285.521	2023.043	5.889	11.688	430.192	216.769	191.433	25.336
2007	35326	17683.181	15342.961	2340.220	6.625	13.234	437.879	219.189	190.182	29.008
2008	38248	19006.374	16214.980	2791.394	7.298	14.687	468.788	232.952	198.740	34.213
2009	36902	18205.573	15205.022	3000.550	8.131	16.481	446.956	220.505	184.163	36.343
2010	37234	18237.758	14949.021	3288.737	8.833	18.033	445.505	218.215	178.865	39.350
2011	38093	18487.916	14778.389	3709.528	9.738	20.065	451.279	219.022	175.076	43.946
2012	38504	18491.158	14427.692	4063.466	10.553	21.975	451.211	216.689	169.071	47.618
2013	40290	19143.452	14589.319	4554.134	11.303	23.790	466.755	221.775	169.016	52.759
2014	40339	18992.005	14097.502	4894.503	12.133	25.771	461.866	217.451	161.411	56.040
2015	42303	19728.885	14334.189	5394.696	12.753	27.344	544.880	254.116	184.630	69.486
2016	43104	19876.724	14062.480	5814.244	13.489	29.252	550.009	253.628	179.438	74.190
2017	44107	20119.790	13837.984	6281.807	14.242	31.222	557.659	254.381	174.958	79.423
2018	45469	20535.123	13725.049	6810.074	14.977	33.163	569.564	257.229	171.924	85.305
2019	46963	21009.029	13643.500	7365.529	15.684	35.059	582.552	260.605	169.240	91.365
2020	48419	21428.512	13526.522	7901.990	16.320	36.876	685.853	303.533	191.602	111.931
2021	48463	21266.697	12960.346	8306.351	17.140	39.058	681.652	299.127	182.294	116.833
2022	49915	21663.568	12755.019	8908.549	17.847	41.122	696.712	302.378	178.033	124.345
2023	51391	22084.131	12558.421	9525.710	18.536	43.134	711.491	305.748	173.867	131.880
2024	52811	22418.456	12338.947	10079.51	19.086	44.961	725.093	307.804	169.413	138.391
2025	53848	22614.834	12051.902	10562.93	19.616	46.708	860.553	361.411	192.603	168.808
2026	54342	22571.522	11586.370	10985.15	20.215	48.668	864.886	359.241	184.405	174.836
2027	55267	22774.416	11237.205	11537.21	20.876	50.659	875.619	360.827	178.037	182.790
2028	56149	22915.561	10842.665	12072.90	21.502	52.684	885.102	361.228	170.918	190.310
2029	57014	22992.027	10438.178	12553.85	22.019	54.601	893.616	360.371	163.605	196.766
2030	57238	22895.360	10014.900	12880.46	22.503	56.258	1071.90	428.760	187.548	241.211
2031	57592	22715.871	9568.583	13147.29	22.828	57.877	1075.71	424.293	178.724	245.568
2032	58251	22759.207	9171.602	13587.61	23.326	59.702	1084.31	423.652	170.725	252.927
2033	58885	22786.258	8807.023	13979.23	23.740	61.349	1091.54	422.387	163.255	259.132
2034	59460	22806.106	8432.879	14373.23	24.173	63.024	1096.89	420.721	155.567	265.153
2035	58516	22262.998	7973.430	14289.57	24.420	64.185	1335.15	507.973	181.929	326.044
2036	56446	21140.051	7139.796	14000.26	24.803	66.226	1287.60	482.234	162.869	319.365
2037	56568	21011.845	6731.929	14279.92	25.244	67.961	1288.98	478.783	153.396	325.387
2038	56668	20787.483	6329.722	14457.76	25.513	69.550	1288.55	472.681	143.930	328.751
2039	56758	20709.267	5987.105	14722.16	25.939	71.090	1286.40	469.372	135.697	333.675

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop				
Year	Number	Attrib	Attrib	Death	Attrib	Attrib				
	Deaths	Deaths	Deaths	Rate	Rates	Rates				
All Comb	13281485	4509390.583	3122577.274	1386813	10.442	30.754	3815.01	1305.37	896.937	408.434

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop				
Year	Number	Attrib	Attrib	Death	Attrib	Attrib				
	Deaths	Deaths	Deaths	Rate	Rates	Rates				
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123597.528	401.915	0.128	0.324	4883.81	1933.45	1927.18	6.267
1992	308580	122014.015	120940.605	1073.411	0.348	0.880	4729.74	1870.18	1853.71	16.465
1993	311722	122810.618	120799.023	2011.595	0.645	1.638	4692.65	1848.83	1818.50	30.325
1994	305722	119925.592	116840.776	3084.816	1.009	2.572	4516.27	1771.69	1726.03	45.666
1995	303265	117896.496	113559.728	4336.768	1.430	3.678	4393.94	1708.35	1645.34	63.006
1996	299625	115698.645	109987.068	5711.578	1.906	4.937	4273.39	1650.42	1568.69	81.734
1997	294324	113359.847	106269.325	7090.522	2.409	6.255	4129.02	1590.70	1490.83	99.869
1998	289396	111444.212	102973.777	8470.435	2.927	7.601	3992.69	1538.10	1420.69	117.407
1999	311206	114877.722	103563.162	11314.56	3.636	9.849	4225.36	1560.48	1406.12	154.366
2000	304055	112379.704	99496.744	12882.96	4.237	11.464	4067.22	1504.22	1330.93	173.291
2001	296633	110024.943	95459.861	14565.08	4.910	13.238	3915.54	1453.52	1260.07	193.453
2002	292319	108289.173	91841.432	16447.74	5.627	15.189	3814.58	1414.56	1198.47	216.086
2003	286374	106539.023	88435.416	18103.61	6.322	16.992	3697.27	1377.22	1141.76	235.463
2004	274768	103037.251	83723.112	19314.14	7.029	18.745	3508.34	1317.61	1069.01	248.604
2005	273076	103044.562	81985.148	21059.41	7.712	20.437	3445.34	1302.41	1034.39	268.025
2006	264910	99672.555	77129.419	22543.14	8.510	22.617	3310.79	1248.28	963.948	284.331
2007	259318	97839.152	74056.999	23782.15	9.171	24.307	3206.66	1212.75	915.771	296.981
2008	260495	98075.852	72726.724	25349.13	9.731	25.846	3184.10	1202.07	888.957	313.114
2009	255059	95617.338	69182.325	26435.01	10.364	27.647	3079.80	1158.11	835.368	322.746
2010	253163	94607.988	66956.437	27651.55	10.922	29.228	3018.74	1131.98	798.394	333.590
2011	253214	93633.119	64477.786	29155.33	11.514	31.138	2988.42	1109.25	760.963	348.286
2012	254243	92775.175	62149.190	30625.98	12.046	33.011	2966.96	1087.19	725.268	361.922
2013	257969	92345.780	60214.578	32131.20	12.455	34.794	2974.94	1069.82	694.404	375.411
2014	259377	91379.215	57997.107	33382.11	12.870	36.531	2955.05	1046.26	660.753	385.503
2015	261983	90750.242	56255.377	34494.86	13.167	38.011	3354.04	1168.90	720.210	448.692
2016	263865	88811.996	53157.263	35654.73	13.512	40.146	3344.94	1133.24	673.859	459.386
2017	266328	87325.126	50636.634	36688.49	13.776	42.014	3343.62	1104.08	635.718	468.361
2018	261509	87612.144	50065.737	37546.41	14.358	42.855	3251.09	1097.46	622.421	475.036
2019	264482	87797.760	48922.382	38875.38	14.699	44.278	3254.41	1089.08	601.984	487.098
2020	265594	87221.042	47602.784	39618.26	14.917	45.423	3725.81	1235.48	667.783	567.696
2021	258512	82001.292	42776.927	39224.36	15.173	47.834	3598.85	1153.39	595.517	557.873
2022	260784	81915.977	41458.985	40456.99	15.514	49.388	3600.60	1143.37	572.419	570.956
2023	263032	81810.810	40181.731	41629.08	15.827	50.885	3600.05	1132.64	549.957	582.688
2024	264943	81528.303	38908.319	42619.98	16.086	52.276	3594.00	1119.38	527.798	591.580
2025	261791	79599.213	37279.925	42319.29	16.165	53.165	4124.38	1272.09	587.326	684.761
2026	256141	75082.462	33504.465	41578.00	16.232	55.376	4016.02	1194.99	525.315	669.674
2027	255841	74444.425	32119.522	42324.90	16.543	56.854	3990.41	1179.46	500.977	678.484
2028	255379	73699.585	30659.821	43039.76	16.853	58.399	3960.39	1161.76	475.469	686.290
2029	254864	72819.703	29244.386	43575.32	17.097	59.840	3927.23	1141.36	450.631	690.726
2030	246051	69309.277	27444.491	41864.79	17.015	60.403	4517.67	1297.95	503.900	794.049
2031	241064	65433.368	24647.859	40785.51	16.919	62.331	4411.11	1222.18	451.018	771.163
2032	239855	64643.552	23449.785	41193.77	17.174	63.724	4370.68	1203.31	427.305	776.003
2033	238612	63793.514	22334.848	41458.67	17.375	64.989	4326.62	1182.54	404.985	777.551
2034	237227	63032.151	21276.599	41755.55	17.602	66.245	4277.60	1162.80	383.652	779.148
2035	222096	57653.301	19474.494	38178.81	17.190	66.221	4938.46	1315.47	433.029	882.441
2036	214386	52988.733	16663.570	36325.16	16.944	68.553	4761.83	1208.75	370.123	838.623
2037	211825	52026.921	15698.010	36328.91	17.150	69.827	4696.09	1185.50	348.019	837.484
2038	209295	50943.211	14740.636	36202.58	17.297	71.065	4626.70	1158.38	325.858	832.525
2039	206836	50085.991	13936.392	36149.60	17.477	72.175	4554.00	1135.19	306.844	828.347

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3093654	2244988.113	1786344.471	458643.6	14.825	20.430	888.629	649.875	513.114	136.761

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62872.703	45.699	0.058	0.073	1223.41	981.049	980.337	0.713
1992	77988	62366.766	62245.001	121.765	0.156	0.195	1195.35	955.930	954.057	1.872
1993	78544	62652.888	62414.288	238.599	0.304	0.381	1182.40	943.195	939.581	3.614
1994	77443	61565.227	61190.865	374.361	0.483	0.608	1144.02	909.520	903.941	5.579
1995	76915	60851.961	60309.425	542.536	0.705	0.892	1114.40	881.759	873.809	7.949
1996	76249	60122.922	59369.213	753.708	0.988	1.254	1087.51	857.643	846.751	10.892
1997	75499	59237.155	58258.209	978.946	1.297	1.653	1059.17	831.234	817.293	13.941
1998	75419	58906.696	57647.997	1258.699	1.669	2.137	1040.52	813.001	795.347	17.653
1999	73209	56930.073	55399.259	1530.814	2.091	2.689	993.986	773.329	752.176	21.153
2000	73852	57137.121	55254.434	1882.687	2.549	3.295	987.887	764.787	739.115	25.672
2001	73381	56481.726	54200.315	2281.412	3.109	4.039	968.629	746.169	715.442	30.728
2002	72551	55588.365	52891.169	2697.196	3.718	4.852	946.741	726.138	690.195	35.943
2003	72075	54945.856	51789.900	3155.956	4.379	5.744	930.533	710.281	668.641	41.640
2004	71460	54203.126	50540.282	3662.844	5.126	6.758	912.430	693.135	645.318	47.817
2005	71152	53744.603	49562.246	4182.357	5.878	7.782	897.708	679.296	625.316	53.980
2006	69874	52535.572	47807.259	4728.313	6.767	9.000	873.270	657.945	597.486	60.459
2007	68811	51492.124	46227.326	5264.798	7.651	10.224	850.902	638.264	571.636	66.628
2008	68506	51030.736	45116.926	5913.809	8.633	11.589	837.369	625.460	551.475	73.985
2009	67824	50276.199	43713.686	6562.513	9.676	13.053	818.967	608.943	527.837	81.106
2010	67549	49840.933	42631.525	7209.408	10.673	14.465	805.462	596.347	508.342	88.005
2011	66897	49072.841	41148.281	7924.559	11.846	16.149	789.509	581.354	485.630	95.724
2012	66586	48539.512	39848.528	8690.983	13.052	17.905	777.039	568.812	465.024	103.788
2013	65803	47675.741	38307.790	9367.951	14.236	19.649	758.849	552.318	441.772	110.547
2014	65548	47194.534	37121.017	10073.52	15.368	21.345	746.783	540.359	422.915	117.444
2015	64702	46305.842	35625.329	10680.51	16.507	23.065	828.341	596.439	456.093	140.346
2016	62201	44208.867	33183.682	11025.18	17.725	24.939	788.497	564.107	420.660	143.447
2017	60512	42702.624	31264.576	11438.05	18.902	26.785	759.697	539.903	392.512	147.391
2018	63160	44321.202	31486.136	12835.07	20.322	28.959	785.203	555.181	391.438	163.775
2019	63797	44493.088	30731.668	13761.42	21.571	30.929	785.011	551.912	378.149	173.762
2020	64281	44529.551	29905.614	14623.94	22.750	32.841	901.752	630.757	419.523	211.234
2021	57900	39852.556	25927.563	13924.99	24.050	34.941	806.047	560.546	360.949	199.597
2022	58283	39853.685	25064.576	14789.11	25.375	37.109	804.705	556.274	346.063	210.211
2023	58639	39847.050	24212.251	15634.80	26.663	39.237	802.576	551.670	331.387	220.283
2024	58902	39726.010	23342.914	16383.10	27.814	41.240	799.010	545.435	316.650	228.785
2025	58538	39207.348	22327.571	16879.78	28.836	43.053	922.234	626.579	351.759	274.819
2026	52390	34803.960	19115.631	15688.33	29.945	45.076	821.416	553.929	299.713	254.216
2027	52181	34484.595	18218.552	16266.04	31.173	47.169	813.873	546.357	284.159	262.197
2028	51925	34100.638	17293.857	16806.78	32.367	49.286	805.252	537.544	268.191	269.352
2029	51642	33669.838	16404.842	17265.00	33.432	51.277	795.756	527.732	252.784	274.948
2030	50249	32557.688	15367.469	17190.22	34.210	52.799	922.612	609.705	282.158	327.548
2031	44640	28646.393	13017.570	15628.82	35.011	54.558	816.848	535.065	238.202	296.863
2032	44254	28227.160	12307.227	15919.93	35.974	56.399	806.404	525.435	224.264	301.171
2033	43852	27786.623	11649.857	16136.77	36.798	58.074	795.151	515.079	211.240	303.839
2034	43417	27348.299	11028.913	16319.39	37.587	59.672	782.882	504.514	198.870	305.645
2035	40913	25570.077	10083.707	15486.37	37.852	60.564	909.732	583.430	224.219	359.212
2036	35047	21717.319	8106.466	13610.85	38.836	62.673	778.441	495.402	180.057	315.345
2037	34488	21256.024	7602.310	13653.71	39.590	64.235	764.581	484.347	168.540	315.807
2038	33933	20747.175	7113.643	13633.53	40.177	65.713	750.137	471.764	157.255	314.509
2039	33391	20327.688	6709.166	13618.52	40.785	66.995	735.180	460.724	147.719	313.005

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6418622	1098877.421	555151.097	543726.3	8.471	49.480	1843.70	318.101	159.463	158.638

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000	
1991	168044	37309.838	37012.736	297.102	0.177	0.796	2620.21	581.750	577.118	4.633
1992	164549	36137.488	35340.033	797.455	0.485	2.207	2522.12	553.899	541.673	12.226
1993	164367	35599.588	34126.027	1473.561	0.897	4.139	2474.37	535.926	513.731	22.195
1994	159877	34336.757	32092.515	2244.242	1.404	6.536	2361.79	507.267	474.086	33.180
1995	158104	33455.759	30324.459	3131.300	1.981	9.360	2290.73	484.782	439.364	45.417
1996	154909	32193.824	28123.938	4069.886	2.627	12.642	2209.38	459.239	401.117	58.123
1997	150020	30665.509	25688.537	4976.972	3.318	16.230	2104.60	430.308	360.380	69.929
1998	145476	29188.430	23364.458	5823.973	4.003	19.953	2007.08	402.844	322.350	80.494
1999	166061	33375.386	25282.245	8093.141	4.874	24.249	2254.66	453.366	343.266	110.100
2000	160401	32024.754	22975.509	9049.245	5.642	28.257	2145.62	428.655	307.334	121.322
2001	154620	30682.393	20637.837	10044.56	6.496	32.737	2040.97	405.339	272.418	132.921
2002	152105	30218.370	19007.952	11210.42	7.370	37.098	1984.87	394.736	248.041	146.694
2003	146993	29175.202	17108.013	12067.19	8.209	41.361	1897.77	377.146	220.876	156.270
2004	138677	27488.687	14976.462	12512.23	9.023	45.518	1770.68	351.518	191.225	160.293
2005	136226	27017.439	13701.731	13315.71	9.775	49.286	1718.73	341.482	172.872	168.610
2006	132314	26231.435	12233.138	13998.30	10.580	53.365	1653.63	328.517	152.887	175.630
2007	126937	25103.049	10815.967	14287.08	11.255	56.914	1569.68	311.161	133.748	177.414
2008	126355	24621.740	9885.922	14735.82	11.662	59.849	1544.47	301.777	120.838	180.939
2009	122977	23741.177	8858.758	14882.42	12.102	62.686	1484.93	287.552	106.968	180.584
2010	121143	23189.160	8070.045	15119.12	12.480	65.199	1444.52	277.458	96.228	181.230
2011	120895	22786.927	7338.040	15448.89	12.779	67.797	1426.80	269.951	86.603	183.348
2012	121681	22485.295	6741.605	15743.69	12.938	70.018	1419.99	263.495	78.673	184.822
2013	123493	22251.884	6239.836	16012.05	12.966	71.958	1424.15	257.786	71.959	185.827
2014	124163	21894.593	5753.683	16140.91	13.000	73.721	1414.58	250.685	65.551	185.134
2015	124805	21471.109	5325.280	16145.83	12.937	75.198	1597.82	276.557	68.177	208.380
2016	127363	21411.568	4967.329	16444.24	12.911	76.801	1614.55	273.213	62.969	210.243
2017	129530	21169.399	4626.226	16543.17	12.772	78.147	1626.19	267.651	58.080	209.571
2018	122710	19830.576	4065.395	15765.18	12.848	79.499	1525.53	248.400	50.541	197.862
2019	123216	19431.014	3791.779	15639.24	12.693	80.486	1516.16	241.031	46.657	194.373
2020	122301	18532.612	3458.026	15074.59	12.326	81.341	1715.66	262.513	48.510	214.003
2021	120970	18234.128	3213.209	15020.92	12.417	82.378	1684.08	256.472	44.733	211.740
2022	121103	17812.559	2990.413	14822.15	12.239	83.212	1672.05	248.626	41.288	207.338
2023	121215	17361.668	2785.251	14576.42	12.025	83.957	1659.04	240.367	38.121	202.246
2024	121181	16929.676	2618.685	14310.99	11.810	84.532	1643.84	232.443	35.523	196.920
2025	117655	15501.666	2326.813	13174.85	11.198	84.990	1853.60	247.735	36.658	211.077
2026	117120	15523.814	2250.026	13273.79	11.334	85.506	1836.31	247.072	35.278	211.794
2027	116123	15073.070	2126.152	12946.92	11.149	85.894	1811.20	238.810	33.162	205.648
2028	115076	14636.710	2000.279	12636.43	10.981	86.334	1784.59	230.725	31.020	199.705
2029	114027	14180.166	1892.326	12287.84	10.776	86.655	1757.06	222.256	29.159	193.097
2030	107203	12111.772	1587.456	10524.32	9.817	86.893	1968.32	226.816	29.147	197.669
2031	107728	12417.367	1603.446	10813.92	10.038	87.087	1971.26	231.935	29.341	202.594
2032	106390	12054.064	1524.574	10529.49	9.897	87.352	1938.65	224.381	27.781	196.600
2033	105066	11672.389	1441.750	10230.64	9.737	87.648	1905.10	216.370	26.142	190.228
2034	103717	11365.762	1386.592	9979.169	9.622	87.800	1870.19	209.673	25.003	184.670
2035	93404	8580.360	1026.089	7554.271	8.088	88.041	2076.89	195.777	22.816	172.962
2036	94789	8948.841	1053.320	7895.521	8.330	88.230	2105.40	204.135	23.396	180.740
2037	93034	8624.570	1010.677	7613.893	8.184	88.281	2062.53	196.522	22.406	174.116
2038	91331	8315.017	957.185	7357.832	8.056	88.488	2018.96	189.073	21.160	167.913
2039	89693	8001.132	911.648	7089.484	7.904	88.606	1974.82	181.344	20.072	161.272

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1505606	149918.462	74652.525	75265.94	4.999	50.205	432.474	43.398	21.443	21.955

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4517.565	38.001	0.116	0.834	508.609	71.032	70.440	0.593
1992	32100	4453.572	4354.179	99.393	0.310	2.232	492.015	68.262	66.738	1.524
1993	32897	4462.473	4274.899	187.575	0.570	4.203	495.229	67.179	64.354	2.825
1994	33325	4499.513	4203.893	295.620	0.887	6.570	492.297	66.473	62.102	4.371
1995	33573	4472.774	4054.067	418.707	1.247	9.361	486.435	64.812	58.738	6.073
1996	33877	4406.878	3852.225	554.653	1.637	12.586	483.171	62.863	54.942	7.921
1997	33527	4288.158	3595.671	692.487	2.065	16.149	470.339	60.173	50.443	9.730
1998	32810	4120.148	3302.009	818.139	2.494	19.857	452.666	56.864	45.557	11.308
1999	33396	3982.443	3039.113	943.329	2.825	23.687	453.427	54.097	41.263	12.834
2000	33487	4021.411	2913.943	1107.469	3.307	27.539	447.945	53.827	38.979	14.849
2001	32310	3848.092	2630.253	1217.839	3.769	31.648	426.494	50.836	34.719	16.117
2002	31630	3783.081	2436.512	1346.569	4.257	35.595	412.747	49.418	31.795	17.623
2003	31038	3754.415	2265.605	1488.810	4.797	39.655	400.717	48.533	29.250	19.283
2004	29946	3666.274	2069.798	1596.476	5.331	43.545	382.360	46.883	26.428	20.455
2005	28779	3589.688	1890.781	1698.907	5.903	47.327	363.096	45.371	23.856	21.516
2006	28270	3596.985	1757.469	1839.516	6.507	51.141	353.309	45.048	21.964	23.083
2007	28120	3560.798	1617.015	1943.783	6.912	54.588	347.728	44.137	19.996	24.142
2008	27233	3417.001	1443.645	1973.357	7.246	57.751	332.870	41.881	17.646	24.235
2009	27187	3394.390	1334.924	2059.466	7.575	60.673	328.276	41.113	16.119	24.994
2010	27044	3340.137	1228.122	2112.015	7.810	63.231	322.476	39.965	14.644	25.320
2011	27108	3285.435	1126.977	2158.458	7.962	65.698	319.933	38.922	13.301	25.621
2012	27224	3259.209	1037.682	2221.527	8.160	68.162	317.694	38.193	12.110	26.084
2013	28095	3274.703	972.394	2302.308	8.195	70.306	323.992	37.937	11.214	26.723
2014	29008	3298.083	912.623	2385.460	8.223	72.329	330.487	37.762	10.397	27.364
2015	29805	3244.406	845.086	2399.320	8.050	73.953	381.584	41.789	10.819	30.970
2016	30788	3314.836	809.286	2505.550	8.138	75.586	390.297	42.297	10.259	32.038
2017	31724	3333.314	763.804	2569.510	8.100	77.086	398.283	42.144	9.589	32.555
2018	29663	2925.242	634.578	2290.664	7.722	78.307	368.774	36.642	7.889	28.753
2019	29941	2864.628	589.409	2275.219	7.599	79.425	368.416	35.534	7.253	28.281
2020	29964	2730.366	535.114	2195.252	7.326	80.401	420.342	38.675	7.507	31.169
2021	30503	2647.911	493.002	2154.908	7.064	81.381	424.653	37.244	6.863	30.381
2022	30740	2586.165	456.864	2129.301	6.927	82.334	424.424	36.097	6.308	29.790
2023	30973	2517.960	424.318	2093.642	6.760	83.148	423.922	34.860	5.808	29.053
2024	31160	2454.161	397.195	2056.965	6.601	83.815	422.695	33.695	5.388	28.307
2025	30784	2275.364	354.831	1920.533	6.239	84.406	484.979	36.363	5.590	30.773
2026	31255	2183.166	328.631	1854.535	5.933	84.947	490.052	34.747	5.153	29.594
2027	31160	2112.345	308.258	1804.086	5.790	85.407	486.010	33.467	4.808	28.659
2028	31039	2046.677	289.354	1757.323	5.662	85.862	481.355	32.263	4.487	27.775
2029	30911	1977.671	272.043	1705.628	5.518	86.244	476.313	30.997	4.192	26.806
2030	30010	1744.457	234.419	1510.038	5.032	86.562	551.013	32.668	4.304	28.364
2031	29681	1653.738	217.493	1436.244	4.839	86.848	543.114	30.889	3.980	26.909
2032	29455	1603.120	204.748	1398.372	4.747	87.228	536.732	29.841	3.731	26.110
2033	29220	1548.245	193.461	1354.784	4.637	87.505	529.823	28.700	3.508	25.192
2034	28959	1511.985	185.270	1326.715	4.581	87.747	522.178	27.893	3.341	24.552
2035	27525	1239.866	149.668	1090.198	3.961	87.929	612.039	28.290	3.328	24.962
2036	26373	1182.522	140.047	1042.475	3.953	88.157	585.778	26.975	3.111	23.864
2037	25938	1134.483	134.191	1000.292	3.856	88.172	575.045	25.851	2.975	22.876
2038	25501	1093.537	126.882	966.655	3.791	88.397	563.736	24.866	2.805	22.061
2039	25067	1047.905	120.043	927.862	3.702	88.544	551.910	23.751	2.643	21.108

Results for PHIM for Run 5 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2263604	1015606.587	706429.182	309177.4	13.659	30.443	650.204	293.996	202.917	91.080

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19194.523	21.113	0.062	0.110	531.576	299.618	299.289	0.329
1992	33942	19056.189	19001.392	54.798	0.161	0.288	520.249	292.085	291.243	0.842
1993	35914	20095.670	19983.809	111.861	0.311	0.557	540.648	302.526	300.835	1.691
1994	35076	19524.095	19353.502	170.592	0.486	0.874	518.166	288.435	285.899	2.536
1995	34673	19116.002	18871.777	244.225	0.704	1.278	502.376	276.995	273.429	3.566
1996	34589	18975.021	18641.691	333.330	0.964	1.757	493.329	270.675	265.876	4.799
1997	35278	19169.025	18726.907	442.117	1.253	2.306	494.914	268.986	262.716	6.270
1998	35692	19228.937	18659.313	569.625	1.596	2.962	492.423	265.388	257.435	7.953
1999	38541	20589.820	19842.544	747.276	1.939	3.629	523.281	279.689	269.410	10.279
2000	36314	19196.417	18352.858	843.560	2.323	4.394	485.762	256.946	245.498	11.448
2001	36322	19012.731	17991.456	1021.275	2.812	5.372	479.443	251.174	237.486	13.687
2002	36034	18699.357	17505.800	1193.558	3.312	6.383	470.218	244.265	228.439	15.826
2003	36269	18663.550	17271.899	1391.651	3.837	7.457	468.252	241.262	222.991	18.271
2004	34685	17679.164	16136.570	1542.594	4.447	8.725	442.868	226.076	206.038	20.038
2005	36920	18692.832	16830.390	1862.442	5.045	9.963	465.807	236.265	212.345	23.919
2006	34453	17308.564	15331.554	1977.010	5.738	11.422	430.583	216.769	191.611	25.158
2007	35449	17683.181	15396.691	2286.490	6.450	12.930	438.354	219.189	190.392	28.798
2008	38401	19006.374	16280.231	2726.143	7.099	14.343	469.387	232.952	198.997	33.955
2009	37071	18205.573	15274.957	2930.616	7.905	16.097	447.626	220.505	184.443	36.062
2010	37427	18237.758	15026.745	3211.013	8.580	17.606	446.277	218.215	179.180	39.035
2011	38314	18487.916	14864.488	3623.428	9.457	19.599	452.175	219.022	175.430	43.592
2012	38752	18491.158	14521.374	3969.785	10.244	21.469	452.231	216.689	169.461	47.228
2013	40578	19143.452	14694.558	4448.895	10.964	23.240	467.956	221.775	169.460	52.315
2014	40657	18992.005	14209.785	4782.220	11.762	25.180	463.204	217.451	161.890	55.561
2015	42671	19728.885	14459.683	5269.202	12.349	26.708	546.292	254.116	185.120	68.996
2016	43513	19876.724	14196.966	5679.758	13.053	28.575	551.597	253.628	179.971	73.657
2017	44562	20119.790	13982.028	6137.762	13.773	30.506	559.458	254.381	175.538	78.843
2018	45976	20535.123	13879.627	6655.496	14.476	32.410	571.582	257.229	172.552	84.677
2019	47528	21009.029	13809.526	7199.504	15.148	34.269	584.831	260.605	169.925	90.681
2020	49048	21428.512	13704.029	7724.482	15.749	36.048	688.057	303.533	192.243	111.290
2021	49139	21266.697	13143.153	8123.544	16.532	38.198	684.079	299.127	182.972	116.155
2022	50658	21663.568	12947.133	8716.435	17.207	40.235	699.423	302.378	178.759	123.619
2023	52205	22084.131	12759.910	9324.221	17.861	42.221	714.513	305.748	174.642	131.106
2024	53700	22418.456	12549.525	9868.931	18.378	44.021	728.452	307.804	170.236	137.568
2025	54814	22614.834	12270.710	10344.12	18.871	45.740	863.566	361.411	193.319	168.092
2026	55376	22571.522	11810.178	10761.34	19.433	47.677	868.242	359.241	185.171	174.070
2027	56377	22774.416	11466.559	11307.86	20.058	49.652	879.327	360.827	178.847	181.980
2028	57338	22915.561	11076.331	11839.23	20.648	51.665	889.188	361.228	171.771	189.458
2029	58284	22992.027	10675.175	12316.85	21.132	53.570	898.105	360.371	164.495	195.876
2030	58588	22895.360	10255.147	12640.21	21.575	55.209	1075.72	428.760	188.292	240.468
2031	59015	22715.871	9809.349	12906.52	21.870	56.817	1079.88	424.293	179.496	244.797
2032	59756	22759.207	9413.236	13345.97	22.334	58.640	1088.89	423.652	171.529	252.122
2033	60474	22786.258	9049.781	13736.48	22.715	60.284	1096.55	422.387	164.095	258.293
2034	61134	22806.106	8675.823	14130.28	23.114	61.958	1102.35	420.721	156.439	264.282
2035	60254	22262.998	8215.030	14047.97	23.314	63.100	1339.80	507.973	182.667	325.306
2036	58177	21140.051	7363.737	13776.31	23.680	65.167	1292.21	482.234	163.560	318.674
2037	58365	21011.845	6950.833	14061.01	24.092	66.919	1293.93	478.783	154.097	324.686
2038	58530	20787.483	6542.926	14244.56	24.337	68.525	1293.87	472.681	144.639	328.042
2039	58685	20709.267	6195.535	14513.73	24.732	70.083	1292.09	469.372	136.410	332.962

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Control File Details for Run: 6

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.1
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_1
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 6, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 6, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 6, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 6, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		F (Females)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	10659	11.63	0	0.00			
5	All Ages	Ecig	11697	12.76					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18396	20.07			14.19	1129	6.14
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	233	7.34	0	0.00			
5	18-19	Ecig	427	13.44					
5	18-19	Dual	0	0.00					
5	18-19	Former	82	2.58			1.15	52	63.41
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	862	10.32	0	0.00			
5	20-24	Ecig	1250	14.97					
5	20-24	Dual	0	0.00					
5	20-24	Former	444	5.32			3.23	106	23.87
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1395	15.86					
5	25-29	Dual	0	0.00					
5	25-29	Former	1023	11.63			5.94	54	5.28
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

5	30-34	Never Any	5304	52.63					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1802	17.88					
5	30-34	Dual	0	0.00					
5	30-34	Former	1599	15.87			8.16	67	4.19
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1746	16.63					
5	35-39	Dual	0	0.00					
5	35-39	Former	2065	19.67			8.75	62	3.00
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1356	14.13					
5	40-44	Dual	0	0.00					
5	40-44	Former	2091	21.78			12.09	81	3.87
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1161	13.66					
5	45-49	Dual	0	0.00					
5	45-49	Former	2006	23.61			10.93	133	6.63
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	826	12.64					
5	50-54	Dual	0	0.00					
5	50-54	Former	1855	28.38			14.92	140	7.55
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	627	11.33					
5	55-59	Dual	0	0.00					
5	55-59	Former	1501	27.12			15.84	93	6.20
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	444	8.43					
5	60-64	Dual	0	0.00					
5	60-64	Former	1455	27.64			19.22	87	5.98
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	374	6.77					
5	65-69	Dual	0	0.00					
5	65-69	Former	1470	26.61			19.34	107	7.28
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	188	3.55					
5	70-74	Dual	0	0.00					
5	70-74	Former	1496	28.21			22.32	77	5.15
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	101	2.25					
5	75-79	Dual	0	0.00					
5	75-79	Former	1309	29.19			25.87	70	5.35
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	4595	5.00	0	0.00			
10	All Ages	Ecig	15644	17.02					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21246	23.12			15.11	1717	8.08
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	370	4.67	0	0.00			
10	20-24	Ecig	1780	22.45					
10	20-24	Dual	0	0.00					
10	20-24	Former	652	8.22			3.55	169	25.92
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	400	4.79	0	0.00			
10	25-29	Ecig	1690	20.24					
10	25-29	Dual	0	0.00					
10	25-29	Former	767	9.19			5.59	126	16.43
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1908	21.70					
10	30-34	Dual	0	0.00					
10	30-34	Former	1254	14.26			9.28	91	7.26
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2413	23.94					
10	35-39	Dual	0	0.00					
10	35-39	Former	1820	18.06			11.77	105	5.77
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2292	21.83					
10	40-44	Dual	0	0.00					
10	40-44	Former	2345	22.34			12.30	143	6.10
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1673	17.43					
10	45-49	Dual	0	0.00					
10	45-49	Former	2463	25.66			14.76	181	7.35
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1299	15.29					
10	50-54	Dual	0	0.00					
10	50-54	Former	2464	29.00			13.32	188	7.63
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	912	13.95					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2225	34.04			16.92	157	7.06
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		663	11.98					
10	60-64	Dual		0	0.00					
10	60-64	Former		1853	33.48			17.23	149	8.04
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		443	8.42					
10	65-69	Dual		0	0.00					
10	65-69	Former		1809	34.37			19.85	146	8.07
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		368	6.66					
10	70-74	Dual		0	0.00					
10	70-74	Former		1804	32.66			20.18	154	8.54
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		203	3.83					
10	75-79	Dual		0	0.00					
10	75-79	Former		1790	33.75			23.17	108	6.03
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		1890	2.18	0	0.00			
15	All Ages	Ecig		15617	18.03					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		22096	25.51			17.32	941	4.26
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		166	2.09	0	0.00			
15	25-29	Ecig		1941	24.48					
15	25-29	Dual		0	0.00					
15	25-29	Former		963	12.14			6.57	96	9.97
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		149	1.78	0	0.00			
15	30-34	Ecig		1822	21.82					
15	30-34	Dual		0	0.00					
15	30-34	Former		972	11.64			8.77	80	8.23
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	2002	22.77					
15	35-39	Dual	0	0.00					
15	35-39	Former	1435	16.32			12.75	66	4.60
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2500	24.81					
15	40-44	Dual	0	0.00					
15	40-44	Former	2056	20.40			15.08	101	4.91
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2318	22.08					
15	45-49	Dual	0	0.00					
15	45-49	Former	2666	25.39			15.45	135	5.06
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1622	16.90					
15	50-54	Dual	0	0.00					
15	50-54	Former	2769	28.84			17.84	99	3.58
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1281	15.08					
15	55-59	Dual	0	0.00					
15	55-59	Former	2694	31.71			16.95	78	2.90
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	852	13.04					
15	60-64	Dual	0	0.00					
15	60-64	Former	2437	37.29			20.18	93	3.82
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	591	10.68					
15	65-69	Dual	0	0.00					
15	65-69	Former	2099	37.93			19.92	68	3.24
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	391	7.43					
15	70-74	Dual	0	0.00					
15	70-74	Former	2002	38.03			22.67	69	3.45
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	297	5.38					
15	75-79	Dual	0	0.00					
15	75-79	Former	2003	36.26			22.91	56	2.80
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	765	0.94	0	0.00			
20	All Ages	Ecig	13785	17.00					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22772	28.09			19.42	1117	4.91
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	65	0.82	0	0.00			
20	30-34	Ecig	1881	23.72					
20	30-34	Dual	0	0.00					
20	30-34	Former	1241	15.65			9.36	130	10.48
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	58	0.69	0	0.00			
20	35-39	Ecig	1717	20.56					
20	35-39	Dual	0	0.00					
20	35-39	Former	1216	14.56			11.38	98	8.06
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	1849	21.03					
20	40-44	Dual	0	0.00					
20	40-44	Former	1691	19.23			15.34	112	6.62
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2327	23.09					
20	45-49	Dual	0	0.00					
20	45-49	Former	2362	23.44			17.71	131	5.55
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	2101	20.01					
20	50-54	Dual	0	0.00					
20	50-54	Former	3019	28.76			18.27	163	5.40
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1433	14.93					
20	55-59	Dual	0	0.00					
20	55-59	Former	3058	31.85			20.88	103	3.37
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	1079	12.70					
20	60-64	Dual	0	0.00					
20	60-64	Former	2991	35.20			19.94	144	4.81
Year of Follow-up: 2010, Age Group: 65-69									

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	645	9.87					
20	65-69	Dual	0	0.00					
20	65-69	Former	2728	41.74			22.72	95	3.48
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	477	8.62					
20	70-74	Dual	0	0.00					
20	70-74	Former	2285	41.29			23.05	69	3.02
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	276	5.24					
20	75-79	Dual	0	0.00					
20	75-79	Former	2181	41.43			25.56	72	3.30
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	340	0.45	0	0.00			
25	All Ages	Ecig	11438	15.09					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	23029	30.37			21.48	914	3.97
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	20	0.25	0	0.00			
25	35-39	Ecig	1567	19.76					
25	35-39	Dual	0	0.00					
25	35-39	Former	1617	20.39			11.52	129	7.98
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	33	0.40	0	0.00			
25	40-44	Ecig	1502	17.99					
25	40-44	Dual	0	0.00					

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

25	40-44	Former	1456	17.44			14.00	103	7.07
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5189	59.01					
25	45-49	CC	32	0.36	0	0.00			
25	45-49	Ecig	1627	18.50					
25	45-49	Dual	0	0.00					
25	45-49	Former	1945	22.12			17.95	96	4.94
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5284	52.43					
25	50-54	CC	45	0.45	0	0.00			
25	50-54	Ecig	2059	20.43					
25	50-54	Dual	0	0.00					
25	50-54	Former	2690	26.69			20.17	150	5.58
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5278	50.27					
25	55-59	CC	37	0.35	0	0.00			
25	55-59	Ecig	1773	16.89					
25	55-59	Dual	0	0.00					
25	55-59	Former	3411	32.49			20.84	140	4.10
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	42	0.44	0	0.00			
25	60-64	Ecig	1154	12.02					
25	60-64	Dual	0	0.00					
25	60-64	Former	3386	35.27			23.56	144	4.25
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	41	0.48	0	0.00			
25	65-69	Ecig	844	9.93					
25	65-69	Dual	0	0.00					
25	65-69	Former	3256	38.32			23.12	70	2.15
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	31	0.47	0	0.00			
25	70-74	Ecig	527	8.06					
25	70-74	Dual	0	0.00					
25	70-74	Former	2862	43.79			26.54	42	1.47
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	59	1.07	0	0.00			
25	75-79	Ecig	385	6.96					
25	75-79	Dual	0	0.00					
25	75-79	Former	2406	43.48			26.76	40	1.66
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38326	54.53					
30	All Ages	CC	115	0.16	0	0.00			
30	All Ages	Ecig	9272	13.19					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	22570	32.11			23.81	756	3.35
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	1345	16.96					
30	40-44	Dual	0	0.00					
30	40-44	Former	1853	23.37			14.68	82	4.43
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	1317	15.77					
30	45-49	Dual	0	0.00					
30	45-49	Former	1661	19.89			16.93	71	4.27
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1395	15.86					
30	50-54	Dual	0	0.00					
30	50-54	Former	2200	25.02			20.50	121	5.50
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	1708	16.95					
30	55-59	Dual	0	0.00					
30	55-59	Former	3072	30.48			22.30	140	4.56
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	1428	13.60					
30	60-64	Dual	0	0.00					
30	60-64	Former	3778	35.98			23.52	153	4.05
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	917	9.55					
30	65-69	Dual	0	0.00					
30	65-69	Former	3647	37.99			26.68	75	2.06
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	727	8.56					
30	70-74	Dual	0	0.00					
30	70-74	Former	3392	39.92			27.06	66	1.95
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	435	6.66					
30	75-79	Dual	0	0.00					
30	75-79	Former	2967	45.39			30.49	48	1.62
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	7305	11.46					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	21185	33.23			25.87	616	2.91
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	1146	14.45					
35	45-49	Dual	0	0.00					
35	45-49	Former	2057	25.94			17.95	74	3.60
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	1112	13.32					
35	50-54	Dual	0	0.00					
35	50-54	Former	1876	22.47			19.62	104	5.54
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	1153	13.11					
35	55-59	Dual	0	0.00					
35	55-59	Former	2447	27.83			23.13	98	4.00
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	1378	13.67					
35	60-64	Dual	0	0.00					
35	60-64	Former	3409	33.83			24.79	139	4.08
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	1139	10.85					
35	65-69	Dual	0	0.00					
35	65-69	Former	4075	38.81			26.61	83	2.04
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	789	8.22					
35	70-74	Dual	0	0.00					
35	70-74	Former	3782	39.40			30.61	65	1.72
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	588	6.92					
35	75-79	Dual	0	0.00					
35	75-79	Former	3539	41.65			30.81	53	1.50
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	5391	9.76					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	18991	34.37			27.90	543	2.86
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4726	59.60					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		959	12.09					
40	50-54	Dual		0	0.00					
40	50-54	Former		2245	28.31			21.16	100	4.45
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		5359	64.18					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		897	10.74					
40	55-59	Dual		0	0.00					
40	55-59	Former		2094	25.08			22.27	80	3.82
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5189	59.01					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		886	10.08					
40	60-64	Dual		0	0.00					
40	60-64	Former		2715	30.88			25.52	128	4.71
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		5284	52.43					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		1080	10.72					
40	65-69	Dual		0	0.00					
40	65-69	Former		3711	36.82			27.57	73	1.97
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		5278	50.27					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		957	9.12					
40	70-74	Dual		0	0.00					
40	70-74	Former		4260	40.58			30.32	86	2.02
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

40	75-79	Ecig	612	6.38					
40	75-79	Dual	0	0.00					
40	75-79	Former	3966	41.31			34.05	76	1.92
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	3886	8.51					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	15923	34.88			29.63	351	2.20
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

45	55-59	Never Any	4726	59.60					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	792	9.99					
45	55-59	Dual	0	0.00					
45	55-59	Former	2412	30.42			24.49	64	2.65
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	719	8.61					
45	60-64	Dual	0	0.00					
45	60-64	Former	2272	27.21			25.28	77	3.39
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	694	7.89					
45	65-69	Dual	0	0.00					
45	65-69	Former	2907	33.06			28.66	55	1.89
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	934	9.27					
45	70-74	Dual	0	0.00					
45	70-74	Former	3859	38.29			31.38	76	1.97
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	747	7.11					
45	75-79	Dual	0	0.00					
45	75-79	Former	4473	42.60			33.73	79	1.77
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	2497	7.10					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12092	34.40			31.39	238	1.97
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	613	7.73					
50	60-64	Dual	0	0.00					
50	60-64	Former	2591	32.67			27.58	77	2.97
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	578	6.92					
50	65-69	Dual	0	0.00					
50	65-69	Former	2413	28.90			28.67	34	1.41
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	583	6.63					
50	70-74	Dual	0	0.00					
50	70-74	Former	3018	34.32			32.48	56	1.86
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	723	7.17					
50	75-79	Dual	0	0.00					
50	75-79	Former	4070	40.38			34.61	71	1.74

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	2025402.456	920847.5	10.139	31.255	2493.45	808.881	556.066	252.815

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58918.742	159.743	0.080	0.270	2877.87	853.678	851.370	2.308
1992	198532	60494.150	60047.677	446.472	0.225	0.738	2829.84	862.271	855.907	6.364
1993	202512	62694.848	61826.443	868.404	0.429	1.385	2845.85	881.034	868.830	12.203
1994	200658	63202.598	61831.711	1370.887	0.683	2.169	2777.87	874.966	855.987	18.978
1995	201023	63766.862	61787.276	1979.586	0.985	3.104	2739.80	869.097	842.117	26.980
1996	201180	64591.163	61880.925	2710.238	1.347	4.196	2706.36	868.908	832.449	36.459
1997	198639	64686.912	61295.660	3391.252	1.707	5.243	2635.18	858.147	813.158	44.989
1998	197573	65295.961	61115.834	4180.127	2.116	6.402	2584.18	854.046	799.372	54.674
1999	211329	67327.521	61933.766	5393.755	2.552	8.011	2726.91	868.771	799.171	69.599
2000	208496	67596.897	61316.457	6280.439	3.012	9.291	2656.96	861.419	781.385	80.035
2001	203606	67008.811	59793.938	7214.873	3.544	10.767	2565.88	844.458	753.535	90.923
2002	200828	67067.744	58810.715	8257.028	4.111	12.311	2506.09	836.925	733.887	103.038
2003	196352	66756.217	57559.978	9196.239	4.684	13.776	2427.31	825.244	711.560	113.684
2004	188160	65058.725	55072.987	9985.738	5.307	15.349	2302.83	796.234	674.022	122.212
2005	186416	65214.724	54164.690	11050.03	5.928	16.944	2256.27	789.321	655.578	133.743
2006	180088	63771.146	51919.709	11851.44	6.581	18.584	2160.67	765.117	622.925	142.192
2007	175644	63110.718	50438.489	12672.23	7.215	20.079	2086.36	749.650	599.125	150.525
2008	177570	63718.624	49853.115	13865.51	7.808	21.761	2086.39	748.674	585.758	162.915
2009	172806	62794.698	48168.666	14626.03	8.464	23.292	2007.57	729.515	559.598	169.917
2010	170489	61917.074	46496.886	15420.19	9.045	24.905	1957.97	711.083	533.991	177.092
2011	170305	61680.114	45184.631	16495.48	9.686	26.744	1937.46	701.700	514.040	187.660
2012	171421	62023.127	44341.940	17681.19	10.314	28.507	1930.22	698.386	499.294	199.092
2013	172699	62037.765	43285.199	18752.57	10.859	30.228	1923.75	691.059	482.168	208.891
2014	174169	61921.017	41996.682	19924.34	11.440	32.177	1918.85	682.195	462.685	219.510
2015	177354	61856.204	40938.560	20917.64	11.794	33.817	2184.51	761.899	504.251	257.648
2016	176853	60464.119	38751.917	21712.20	12.277	35.909	2157.59	737.655	472.769	264.886
2017	179309	60243.839	37456.732	22787.11	12.708	37.825	2166.86	728.017	452.646	275.371
2018	177157	60713.327	36970.863	23742.46	13.402	39.106	2120.51	726.721	442.530	284.190
2019	179227	61148.172	36165.541	24982.63	13.939	40.856	2124.53	724.841	428.701	296.140
2020	180467	61149.317	35326.252	25823.06	14.309	42.230	2424.25	821.432	474.545	346.887
2021	178116	58727.786	32539.274	26188.51	14.703	44.593	2375.42	783.216	433.956	349.260
2022	179408	58848.802	31630.884	27217.92	15.171	46.251	2374.52	778.881	418.644	360.237
2023	180640	58816.149	30698.802	28117.35	15.565	47.805	2372.26	772.407	403.154	369.253
2024	181610	58955.232	29791.167	29164.06	16.059	49.468	2366.77	768.316	388.244	380.072
2025	180418	58297.744	28705.640	29592.10	16.402	50.760	2713.69	876.861	431.764	445.097
2026	180313	56469.971	26674.228	29795.74	16.524	52.764	2701.83	846.150	399.688	446.461
2027	179619	56209.427	25625.497	30583.93	17.027	54.411	2680.68	838.883	382.441	456.442
2028	178762	55733.105	24516.879	31216.23	17.462	56.010	2656.74	828.298	364.367	463.931
2029	177808	55145.838	23377.371	31768.47	17.867	57.608	2630.89	815.951	345.897	470.054
2030	173587	53615.097	22112.847	31502.25	18.148	58.756	3040.33	939.056	387.301	551.755
2031	174985	52046.561	20843.241	31203.32	17.832	59.953	3060.73	910.364	364.576	545.788
2032	173400	51582.636	19919.411	31663.22	18.260	61.383	3027.10	900.496	347.740	552.756
2033	171756	50839.758	18966.858	31872.90	18.557	62.693	2991.14	885.375	330.308	555.067
2034	169973	50215.451	18047.119	32168.33	18.926	64.061	2951.96	872.104	313.429	558.675
2035	162644	47773.075	16809.969	30963.11	19.037	64.813	3459.14	1016.05	357.517	658.528
2036	156254	43298.709	14572.432	28726.28	18.384	66.344	3328.25	922.274	310.397	611.877
2037	153593	42241.563	13606.907	28634.66	18.643	67.788	3274.10	900.450	290.054	610.396
2038	150947	41356.353	12837.243	28519.11	18.893	68.959	3217.50	881.531	273.632	607.899
2039	148373	40161.050	11949.885	28211.16	19.014	70.245	3159.42	855.178	254.457	600.720

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1185643.707	394821.5	16.961	24.981	639.078	433.910	325.514	108.397

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31381.330	30.680	0.070	0.098	631.345	453.901	453.457	0.443
1992	45423	32782.407	32693.404	89.003	0.196	0.271	647.450	467.274	466.005	1.269
1993	46291	33491.183	33315.253	175.931	0.380	0.525	650.515	470.643	468.170	2.472
1994	47017	34074.347	33789.310	285.037	0.606	0.837	650.895	471.719	467.773	3.946
1995	47840	34694.454	34264.615	429.839	0.898	1.239	652.025	472.861	467.002	5.858
1996	48244	35027.269	34432.860	594.408	1.232	1.697	648.999	471.202	463.206	7.996
1997	49035	35590.763	34800.607	790.156	1.611	2.220	650.506	472.153	461.670	10.482
1998	49686	36100.785	35079.413	1021.371	2.056	2.829	649.874	472.184	458.825	13.359
1999	48883	35451.030	34221.965	1229.064	2.514	3.467	630.769	457.448	441.588	15.859
2000	50331	36447.986	34910.251	1537.735	3.055	4.219	641.392	464.474	444.878	19.596
2001	50389	36411.326	34561.884	1849.443	3.670	5.079	635.012	458.863	435.556	23.307
2002	51445	37078.545	34842.310	2236.235	4.347	6.031	641.972	462.696	434.790	27.906
2003	51408	36999.876	34395.541	2604.335	5.066	7.039	635.509	457.395	425.200	32.195
2004	51399	36861.555	33850.860	3010.695	5.857	8.168	629.057	451.138	414.291	36.847
2005	51421	36689.529	33250.555	3438.974	6.688	9.373	622.370	444.069	402.445	41.623
2006	51355	36504.774	32617.934	3886.840	7.569	10.647	616.150	437.979	391.345	46.634
2007	51839	36663.202	32243.482	4419.720	8.526	12.055	615.761	435.498	382.999	52.499
2008	50976	35898.803	31082.458	4816.346	9.448	13.416	598.952	421.800	365.209	56.591
2009	51193	35934.525	30550.082	5384.443	10.518	14.984	594.733	417.468	354.914	62.554
2010	50853	35502.829	29657.737	5845.093	11.494	16.464	584.018	407.730	340.602	67.128
2011	50509	35136.342	28754.605	6381.737	12.635	18.163	574.613	399.726	327.125	72.601
2012	51245	35450.201	28402.167	7048.034	13.754	19.882	577.023	399.173	319.811	79.362
2013	51069	35123.224	27490.871	7632.353	14.945	21.730	568.874	391.249	306.230	85.019
2014	51251	35079.370	26824.198	8255.172	16.107	23.533	564.641	386.476	295.527	90.949
2015	50443	34324.171	25670.086	8654.085	17.156	25.213	621.319	422.780	316.185	106.595
2016	48854	33054.753	24055.255	8999.498	18.421	27.226	596.013	403.264	293.471	109.793
2017	48325	32471.234	22965.940	9505.294	19.670	29.273	583.983	392.399	277.532	114.867
2018	50465	33657.595	23055.181	10602.41	21.009	31.501	604.052	402.871	275.964	126.908
2019	51036	33863.424	22489.194	11374.23	22.287	33.589	604.975	401.412	266.583	134.828
2020	51444	33910.830	21903.585	12007.24	23.341	35.408	691.053	455.532	294.236	161.296
2021	48037	31531.880	19675.090	11856.79	24.683	37.603	640.639	420.521	262.394	158.127
2022	48335	31560.212	19041.377	12518.84	25.900	39.667	639.727	417.708	252.018	165.690
2023	48599	31508.781	18389.410	13119.37	26.995	41.637	638.227	413.791	241.500	172.291
2024	48784	31517.293	17743.687	13773.61	28.234	43.702	635.757	410.740	231.239	179.500
2025	48477	31175.389	17002.511	14172.88	29.237	45.462	729.141	468.912	255.736	213.175
2026	45324	29044.598	15268.331	13776.27	30.395	47.431	679.138	435.206	228.782	206.425
2027	45107	28825.765	14577.285	14248.48	31.588	49.430	673.191	430.203	217.555	212.648
2028	44842	28513.846	13866.123	14647.72	32.665	51.371	666.430	423.769	206.077	217.693
2029	44539	28148.109	13141.126	15006.98	33.694	53.314	659.013	416.486	194.439	222.047
2030	43393	27314.475	12341.048	14973.43	34.507	54.819	760.018	478.407	216.151	262.256
2031	40748	25423.102	11176.374	14246.73	34.963	56.039	712.731	444.684	195.490	249.194
2032	40325	25085.902	10601.994	14483.91	35.918	57.737	703.969	437.933	185.083	252.851
2033	39882	24645.067	10031.091	14613.98	36.643	59.298	694.543	429.194	174.691	254.502
2034	39404	24239.126	9483.000	14756.13	37.448	60.877	684.347	420.967	164.694	256.273
2035	37454	22944.147	8738.957	14205.19	37.927	61.912	796.588	487.980	185.862	302.118
2036	32988	19950.581	7298.440	12652.14	38.353	63.417	702.663	424.953	155.459	269.494
2037	32403	19415.334	6788.054	12627.28	38.969	65.038	690.731	413.871	144.699	269.172
2038	31820	18939.317	6383.291	12556.03	39.460	66.296	678.257	403.701	136.063	267.638
2039	31251	18379.752	5929.386	12450.37	39.839	67.740	665.457	391.373	126.259	265.114

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	212062.316	186771.5	5.761	46.829	890.124	109.498	58.221	51.277

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12770.826	85.653	0.089	0.666	1393.01	185.775	184.537	1.238
1992	93721	12662.244	12425.222	237.021	0.253	1.872	1335.88	180.485	177.107	3.378
1993	93679	12730.613	12278.638	451.975	0.482	3.550	1316.45	178.900	172.548	6.351
1994	90832	12495.323	11792.090	703.233	0.774	5.628	1257.46	172.983	163.248	9.735
1995	89698	12365.590	11372.529	993.061	1.107	8.031	1222.52	168.534	155.000	13.535
1996	88286	12290.551	10937.948	1352.603	1.532	11.005	1187.66	165.338	147.142	18.196
1997	84777	11719.531	10091.960	1627.571	1.920	13.888	1124.67	155.473	133.882	21.592
1998	82517	11416.794	9469.837	1946.958	2.359	17.053	1079.29	149.327	123.862	25.465
1999	93939	13028.038	10350.205	2677.833	2.851	20.554	1212.16	168.109	133.555	34.554
2000	90039	12426.299	9437.910	2988.389	3.319	24.049	1147.41	158.354	120.272	38.082
2001	86119	11939.281	8574.080	3365.202	3.908	28.186	1085.29	150.461	108.052	42.409
2002	83014	11528.794	7796.134	3732.660	4.496	32.377	1035.91	143.865	97.286	46.579
2003	79302	11048.407	7038.629	4009.778	5.056	36.293	980.336	136.581	87.012	49.569
2004	73861	10375.132	6179.200	4195.931	5.681	40.442	903.963	126.978	75.625	51.353
2005	71649	10051.029	5601.937	4449.092	6.210	44.265	867.197	121.652	67.803	53.849
2006	67551	9542.523	4932.261	4610.262	6.825	48.313	810.467	114.490	59.177	55.313
2007	63503	8936.533	4295.643	4640.890	7.308	51.932	754.310	106.151	51.025	55.126
2008	63171	8944.180	3993.003	4951.178	7.838	55.356	742.239	105.091	46.917	58.175
2009	59747	8390.033	3500.327	4889.707	8.184	58.280	694.108	97.471	40.665	56.806
2010	58008	8157.570	3170.297	4987.272	8.598	61.137	666.189	93.685	36.409	57.276
2011	57368	8035.356	2889.574	5145.782	8.970	64.039	652.644	91.414	32.873	58.541
2012	57411	7970.766	2647.005	5323.761	9.273	66.791	646.453	89.752	29.806	59.946
2013	57067	7743.216	2402.764	5340.452	9.358	68.969	635.688	86.254	26.765	59.489
2014	57538	7774.935	2238.053	5536.882	9.623	71.215	633.906	85.658	24.657	61.001
2015	58395	7722.535	2098.695	5623.840	9.631	72.824	719.266	95.120	25.850	69.270
2016	58658	7600.353	1921.489	5678.865	9.681	74.718	715.621	92.723	23.442	69.281
2017	59004	7470.266	1768.015	5702.252	9.664	76.333	713.034	90.274	21.366	68.909
2018	56077	6907.050	1531.832	5375.218	9.585	77.822	671.224	82.675	18.336	64.340
2019	55886	6732.046	1408.584	5323.462	9.526	79.076	662.462	79.801	16.697	63.104
2020	55313	6429.836	1282.207	5147.629	9.306	80.058	743.037	86.373	17.224	69.149
2021	56292	6562.016	1221.243	5340.772	9.488	81.389	750.730	87.513	16.287	71.227
2022	55827	6352.366	1124.854	5227.511	9.364	82.292	738.885	84.075	14.888	69.188
2023	55338	6134.123	1041.960	5092.163	9.202	83.014	726.728	80.557	13.684	66.873
2024	54770	5922.193	963.654	4958.538	9.053	83.728	713.771	77.179	12.559	64.621
2025	53295	5504.188	866.549	4637.638	8.702	84.257	801.612	82.789	13.034	69.755
2026	55278	5641.075	853.981	4787.095	8.660	84.861	828.283	84.526	12.796	71.730
2027	54199	5426.216	795.542	4630.674	8.544	85.339	808.875	80.982	11.873	69.109
2028	53090	5197.830	739.597	4458.233	8.397	85.771	789.020	77.249	10.992	66.258
2029	51974	4973.547	689.428	4284.119	8.243	86.138	769.023	73.590	10.201	63.389
2030	49479	4450.618	599.216	3851.402	7.784	86.536	866.605	77.952	10.495	67.456
2031	51987	4555.052	603.094	3951.958	7.602	86.760	909.317	79.674	10.549	69.125
2032	50677	4349.999	564.220	3785.780	7.470	87.029	884.689	75.939	9.850	66.090
2033	49380	4147.948	531.717	3616.231	7.323	87.181	859.955	72.237	9.260	62.977
2034	48076	3966.133	500.523	3465.610	7.209	87.380	834.943	68.881	8.693	60.188
2035	44518	3289.064	404.021	2885.044	6.481	87.716	946.825	69.952	8.593	61.360
2036	46347	3313.192	399.000	2914.193	6.288	87.957	987.211	70.572	8.499	62.073
2037	44841	3117.951	370.446	2747.505	6.127	88.119	955.859	66.464	7.897	58.568
2038	43378	2949.775	348.059	2601.716	5.998	88.200	924.621	62.876	7.419	55.457
2039	41973	2766.312	325.424	2440.888	5.815	88.236	893.753	58.905	6.929	51.976

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	54615.614	50284.14	3.719	47.935	371.243	28.800	14.995	13.805

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3180.986	26.077	0.080	0.813	469.694	46.342	45.965	0.377
1992	32560	3218.125	3145.290	72.835	0.224	2.263	464.104	45.871	44.832	1.038
1993	32768	3226.680	3088.849	137.831	0.421	4.272	460.480	45.344	43.407	1.937
1994	33005	3277.266	3057.660	219.606	0.665	6.701	456.915	45.370	42.330	3.040
1995	33730	3309.378	2994.867	314.511	0.932	9.504	459.716	45.104	40.818	4.287
1996	33750	3312.987	2887.919	425.068	1.259	12.830	454.019	44.568	38.850	5.718
1997	33699	3267.066	2735.153	531.913	1.578	16.281	447.056	43.341	36.285	7.056
1998	33274	3178.725	2544.811	633.913	1.905	19.942	435.211	41.577	33.285	8.291
1999	33891	3120.351	2382.803	737.548	2.176	23.637	437.317	40.264	30.747	9.517
2000	33827	3142.808	2280.569	862.239	2.549	27.435	431.074	40.050	29.062	10.988
2001	32506	2961.588	2036.209	925.379	2.847	31.246	409.647	37.323	25.661	11.662
2002	32078	2940.627	1900.619	1040.008	3.242	35.367	400.295	36.695	23.717	12.978
2003	30568	2819.545	1712.872	1106.673	3.620	39.250	377.883	34.855	21.175	13.681
2004	29388	2730.466	1552.683	1177.783	4.008	43.135	359.671	33.417	19.003	14.415
2005	27954	2670.510	1421.385	1249.125	4.469	46.775	338.339	32.322	17.204	15.119
2006	27201	2623.285	1304.912	1318.373	4.847	50.257	326.354	31.474	15.656	15.818
2007	26302	2536.599	1176.902	1359.697	5.170	53.603	312.424	30.131	13.980	16.151
2008	25998	2469.443	1071.119	1398.324	5.379	56.625	305.468	29.015	12.585	16.430
2009	25040	2386.945	966.653	1420.292	5.672	59.503	290.901	27.730	11.230	16.500
2010	24840	2329.274	881.552	1447.723	5.828	62.153	285.273	26.750	10.124	16.626
2011	24792	2286.581	804.618	1481.963	5.978	64.811	282.045	26.013	9.154	16.859
2012	24500	2243.311	734.371	1508.940	6.159	67.264	275.872	25.260	8.269	16.991
2013	24451	2176.503	663.640	1512.863	6.187	69.509	272.368	24.245	7.393	16.852
2014	25296	2211.619	629.778	1581.841	6.253	71.524	278.691	24.366	6.938	17.427
2015	26316	2237.016	601.422	1635.594	6.215	73.115	324.141	27.554	7.408	20.146
2016	26735	2229.057	563.086	1665.971	6.231	74.739	326.164	27.194	6.870	20.325
2017	27616	2221.649	528.893	1692.756	6.130	76.194	333.726	26.848	6.391	20.456
2018	25256	1939.420	437.383	1502.037	5.947	77.448	302.304	23.214	5.235	17.979
2019	25429	1904.400	404.859	1499.540	5.897	78.741	301.434	22.574	4.799	17.775
2020	25379	1806.054	365.705	1440.349	5.675	79.751	340.922	24.261	4.913	19.349
2021	25448	1748.172	334.869	1413.304	5.554	80.845	339.386	23.314	4.466	18.848
2022	25539	1701.148	310.226	1398.922	5.446	81.764	338.015	22.515	4.106	18.409
2023	25620	1652.087	288.951	1363.136	5.321	82.510	336.461	21.696	3.795	17.901
2024	25659	1597.127	267.248	1329.878	5.183	83.267	334.391	20.814	3.483	17.331
2025	25260	1467.622	236.928	1230.694	4.872	83.856	379.931	22.075	3.564	18.511
2026	25480	1390.505	216.692	1173.814	4.607	84.416	381.790	20.835	3.247	17.589
2027	25264	1342.095	201.865	1140.231	4.513	84.959	377.042	20.030	3.013	17.017
2028	25022	1289.536	188.176	1101.360	4.402	85.407	371.870	19.165	2.797	16.368
2029	24767	1242.216	176.023	1066.193	4.305	85.830	366.459	18.380	2.604	15.776
2030	23959	1096.803	150.322	946.481	3.950	86.295	419.641	19.210	2.633	16.577
2031	23963	1019.991	137.038	882.953	3.685	86.565	419.142	17.841	2.397	15.444
2032	23615	977.406	128.334	849.072	3.595	86.870	412.259	17.063	2.240	14.823
2033	23259	937.450	121.330	816.120	3.509	87.057	405.051	16.326	2.113	14.213
2034	22879	900.763	114.446	786.317	3.437	87.295	397.339	15.644	1.988	13.656
2035	21733	745.023	92.421	652.603	3.003	87.595	462.224	15.845	1.966	13.880
2036	20904	680.360	82.347	598.013	2.861	87.897	445.263	14.492	1.754	12.738
2037	20397	644.109	76.989	567.121	2.780	88.047	434.791	13.730	1.641	12.089
2038	19890	612.448	72.589	539.859	2.714	88.148	423.966	13.055	1.547	11.507
2039	19392	577.529	68.235	509.294	2.626	88.185	412.930	12.298	1.453	10.845

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	573080.819	288970.4	13.379	33.521	593.003	236.673	157.337	79.336

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11585.600	17.333	0.065	0.149	383.818	167.661	167.411	0.250
1992	26828	11831.375	11783.762	47.613	0.177	0.402	382.401	168.642	167.963	0.679
1993	29774	13246.371	13143.703	102.668	0.345	0.775	418.406	186.148	184.705	1.443
1994	29804	13355.662	13192.651	163.011	0.547	1.221	412.601	184.893	182.637	2.257
1995	29755	13397.439	13155.264	242.175	0.814	1.808	405.540	182.598	179.297	3.301
1996	30900	13960.356	13622.197	338.158	1.094	2.422	415.680	187.801	183.252	4.549
1997	31128	14109.552	13667.941	441.612	1.419	3.130	412.949	187.180	181.321	5.858
1998	32096	14599.657	14021.772	577.885	1.800	3.958	419.803	190.958	183.399	7.559
1999	34616	15728.102	14978.792	749.310	2.165	4.764	446.673	202.950	193.281	9.669
2000	34299	15579.803	14687.727	892.076	2.601	5.726	437.088	198.541	187.173	11.368
2001	34592	15696.614	14621.765	1074.850	3.107	6.848	435.935	197.812	184.266	13.545
2002	34291	15519.777	14271.652	1248.125	3.640	8.042	427.910	193.668	178.093	15.575
2003	35074	15888.389	14412.936	1475.453	4.207	9.286	433.587	196.413	178.174	18.240
2004	33512	15091.573	13490.243	1601.330	4.778	10.611	410.143	184.701	165.103	19.598
2005	35392	15803.656	13890.812	1912.843	5.405	12.104	428.364	191.278	168.126	23.152
2006	33981	15100.563	13064.602	2035.962	5.991	13.483	407.699	181.174	156.747	24.427
2007	34000	14974.384	12722.462	2251.922	6.623	15.038	403.863	177.871	151.122	26.749
2008	37425	16406.197	13706.536	2699.662	7.214	16.455	439.732	192.768	161.047	31.720
2009	36826	16083.194	13151.604	2931.590	7.961	18.228	427.825	186.846	152.788	34.058
2010	36788	15927.400	12787.300	3140.100	8.536	19.715	422.489	182.917	146.855	36.062
2011	37636	16221.836	12735.835	3486.000	9.262	21.490	428.164	184.547	144.888	39.658
2012	38265	16358.849	12558.396	3800.453	9.932	23.232	430.867	184.202	141.409	42.793
2013	40112	16994.822	12727.924	4266.899	10.637	25.107	446.821	189.311	141.780	47.530
2014	40084	16855.093	12304.653	4550.441	11.352	26.997	441.613	185.696	135.563	50.133
2015	42200	17572.483	12568.358	5004.125	11.858	28.477	519.788	216.445	154.808	61.637
2016	42606	17579.955	12212.087	5367.868	12.599	30.534	519.788	214.473	148.986	65.487
2017	44364	18080.688	12193.884	5886.805	13.269	32.559	536.117	218.496	147.357	71.139
2018	45359	18209.262	11946.467	6262.795	13.807	34.393	542.932	217.960	142.996	74.964
2019	46876	18648.302	11862.904	6785.398	14.475	36.386	555.657	221.054	140.621	80.433
2020	48331	19002.597	11774.754	7227.843	14.955	38.036	649.239	255.266	158.173	97.093
2021	48338	18885.717	11308.072	7577.645	15.676	40.124	644.660	251.867	150.809	101.058
2022	49708	19235.076	11154.426	8080.650	16.256	42.010	657.895	254.582	147.632	106.950
2023	51083	19521.158	10978.481	8542.677	16.723	43.761	670.849	256.363	144.176	112.187
2024	52397	19918.620	10816.578	9102.042	17.371	45.696	682.854	259.583	140.964	118.620
2025	53387	20150.545	10599.651	9550.894	17.890	47.398	803.004	303.086	159.430	143.656
2026	54232	20393.792	10335.225	10058.57	18.547	49.322	812.615	305.582	154.864	150.718
2027	55049	20615.351	10050.805	10564.55	19.191	51.246	821.568	307.668	150.001	157.668
2028	55809	20731.894	9722.983	11008.91	19.726	53.101	829.419	308.115	144.502	163.613
2029	56527	20781.967	9370.794	11411.17	20.187	54.909	836.392	307.495	138.652	168.842
2030	56756	20753.201	9022.261	11730.94	20.669	56.526	994.067	363.487	158.023	205.465
2031	58288	21048.417	8926.736	12121.68	20.796	57.590	1019.54	368.165	156.140	212.024
2032	58782	21169.329	8624.865	12544.46	21.341	59.258	1026.18	369.560	150.567	218.993
2033	59236	21109.293	8282.720	12826.57	21.654	60.763	1031.59	367.618	144.244	223.375
2034	59614	21109.429	7949.149	13160.28	22.076	62.343	1035.33	366.613	138.055	228.558
2035	58938	20794.840	7574.571	13220.27	22.431	63.575	1253.51	442.268	161.097	281.171
2036	56014	19354.577	6792.646	12561.93	22.426	64.904	1193.11	412.258	144.685	267.573
2037	55953	19064.169	6371.418	12692.75	22.685	66.579	1192.72	406.385	135.818	270.567
2038	55859	18854.812	6033.303	12821.51	22.953	68.001	1190.66	401.900	128.603	273.297
2039	55757	18437.457	5626.839	12810.62	22.976	69.481	1187.28	392.602	119.816	272.786

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	9143821	2946250.006	2034522.086	911727.9	9.971	30.945	2499.23	808.881	556.084	252.798

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	0.000
1991	199162	59078.486	58918.742	159.743	0.080	0.270	2877.87	853.678	851.370
1992	198533	60494.150	60047.891	446.258	0.225	0.738	2829.84	862.271	855.909
1993	202515	62694.848	61827.277	867.571	0.428	1.384	2845.86	881.034	868.834
1994	200664	63202.598	61833.757	1368.841	0.682	2.166	2777.91	874.966	855.998
1995	201035	63766.862	61791.203	1975.659	0.983	3.098	2739.86	869.097	842.137
1996	201201	64591.163	61887.611	2703.551	1.344	4.186	2706.46	868.908	832.482
1997	198672	64686.912	61306.029	3380.883	1.702	5.227	2635.33	858.147	813.210
1998	197620	65295.961	61130.977	4164.984	2.108	6.379	2584.41	854.046	799.449
1999	211400	67327.521	61955.149	5372.372	2.541	7.979	2727.26	868.771	799.282
2000	208591	67596.897	61345.201	6251.696	2.997	9.248	2657.43	861.419	781.533
2001	203727	67008.811	59830.638	7178.173	3.523	10.712	2566.48	844.458	753.725
2002	200981	67067.744	58856.557	8211.186	4.086	12.243	2506.86	836.925	734.124
2003	196539	66756.217	57616.052	9140.165	4.651	13.692	2428.26	825.244	711.851
2004	188381	65058.725	55138.743	9919.982	5.266	15.248	2303.96	796.234	674.365
2005	186678	65214.724	54242.012	10972.71	5.878	16.826	2257.60	789.321	655.979
2006	180388	63771.146	52007.445	11763.70	6.521	18.447	2162.20	765.117	623.381
2007	175985	63110.718	50537.935	12572.78	7.144	19.922	2088.09	749.650	599.640
2008	177969	63718.624	49966.749	13751.88	7.727	21.582	2088.41	748.674	586.346
2009	173250	62794.698	48294.270	14500.43	8.370	23.092	2009.81	729.515	560.243
2010	170985	61917.074	46634.170	15282.90	8.938	24.683	1960.45	711.083	534.690
2011	170861	61680.114	45334.248	16345.87	9.567	26.501	1940.23	701.700	514.798
2012	172045	62023.127	44505.822	17517.31	10.182	28.243	1933.29	698.386	500.119
2013	173398	62037.765	43463.061	18574.70	10.712	29.941	1927.18	691.059	483.057
2014	174948	61921.017	42187.471	19733.55	11.280	31.869	1922.64	682.195	463.631
2015	178230	61856.204	41143.939	20712.26	11.621	33.485	2188.59	761.899	505.230
2016	177809	60464.119	38964.801	21499.32	12.091	35.557	2162.00	737.655	473.777
2017	180369	60243.839	37681.959	22561.88	12.509	37.451	2171.75	728.017	453.712
2018	178300	60713.327	37213.304	23500.02	13.180	38.707	2125.79	726.721	443.677
2019	180485	61148.172	36423.813	24724.36	13.699	40.434	2130.34	724.841	429.926
2020	181848	61149.317	35600.730	25548.59	14.049	41.781	2430.19	821.432	475.764
2021	179584	58727.786	32812.004	25915.78	14.431	44.129	2381.74	783.216	435.170
2022	180998	58848.802	31915.986	26932.82	14.880	45.766	2381.39	778.881	419.918
2023	182357	58816.149	30995.692	27820.46	15.256	47.301	2379.71	772.407	404.487
2024	183455	58955.232	30099.607	28855.62	15.729	48.945	2374.82	768.316	389.637
2025	182393	58297.744	29024.613	29273.13	16.049	50.213	2721.39	876.861	433.061
2026	182425	56469.971	26992.886	29477.08	16.158	52.200	2710.29	846.150	401.033
2027	181854	56209.427	25951.556	30257.87	16.639	53.831	2689.78	838.883	383.845
2028	181123	55733.105	24848.121	30884.98	17.052	55.416	2666.51	828.298	365.817
2029	180295	55145.838	23712.410	31433.43	17.434	57.001	2641.35	815.951	347.392
2030	176190	53615.097	22451.445	31163.65	17.688	58.125	3049.83	939.056	388.633
2031	177783	52046.561	21185.589	30860.97	17.359	59.295	3071.59	910.364	366.027
2032	176324	51582.636	20265.333	31317.30	17.761	60.713	3038.80	900.496	349.257
2033	174806	50839.758	19314.401	31525.36	18.034	62.009	3003.71	885.375	331.881
2034	173144	50215.451	18395.407	31820.04	18.378	63.367	2965.39	872.104	315.053
2035	165899	47773.075	17156.808	30616.27	18.455	64.087	3471.07	1016.05	358.969
2036	159533	43298.709	14888.444	28410.27	17.808	65.615	3340.82	922.274	311.783
2037	156957	42241.563	13915.028	28326.54	18.047	67.058	3287.53	900.450	291.457
2038	154390	41356.353	13140.695	28215.66	18.276	68.226	3231.78	881.531	275.069
2039	151894	40161.050	12243.680	27917.37	18.380	69.514	3174.53	855.178	255.889

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2342820	1580465.217	1190837.525	389627.7	16.631	24.653	640.349	433.910	325.485	108.426

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31381.330	30.680	0.070	0.098	631.345	453.901	453.457	0.443
1992	45423	32782.407	32693.521	88.886	0.196	0.271	647.451	467.274	466.006	1.268
1993	46292	33491.183	33315.705	175.478	0.379	0.524	650.518	470.643	468.173	2.470
1994	47019	34074.347	33790.439	283.909	0.604	0.833	650.903	471.719	467.779	3.940
1995	47843	34694.454	34266.814	427.640	0.894	1.233	652.041	472.861	467.014	5.847
1996	48249	35027.269	34436.621	590.647	1.224	1.686	649.026	471.202	463.225	7.977
1997	49043	35590.763	34806.538	784.225	1.599	2.203	650.548	472.153	461.701	10.452
1998	49698	36100.785	35088.162	1012.623	2.038	2.805	649.937	472.184	458.870	13.314
1999	48900	35451.030	34233.832	1217.197	2.489	3.433	630.856	457.448	441.650	15.798
2000	50355	36447.986	34926.687	1521.299	3.021	4.174	641.514	464.474	444.963	19.511
2001	50420	36411.326	34583.147	1828.180	3.626	5.021	635.171	458.863	435.666	23.197
2002	51485	37078.545	34869.547	2208.998	4.291	5.958	642.179	462.696	434.931	27.764
2003	51458	36999.876	34429.117	2570.759	4.996	6.948	635.768	457.395	425.375	32.020
2004	51460	36861.555	33891.317	2970.238	5.772	8.058	629.374	451.138	414.502	36.636
2005	51494	36689.529	33298.003	3391.525	6.586	9.244	622.745	444.069	402.691	41.377
2006	51441	36504.774	32672.980	3831.794	7.449	10.497	616.591	437.979	391.631	46.348
2007	51940	36663.202	32306.942	4356.260	8.387	11.882	616.277	435.498	383.327	52.171
2008	51091	35898.803	31153.063	4745.740	9.289	13.220	599.534	421.800	365.572	56.227
2009	51324	35934.525	30629.503	5305.022	10.336	14.763	595.395	417.468	355.321	62.147
2010	51001	35502.829	29744.979	5757.850	11.290	16.218	584.754	407.730	341.045	66.685
2011	50673	35136.342	28849.438	6286.903	12.407	17.893	575.425	399.726	327.603	72.124
2012	51431	35450.201	28506.749	6943.452	13.501	19.586	577.936	399.173	320.335	78.838
2013	51275	35123.224	27603.343	7519.881	14.666	21.410	569.876	391.249	306.789	84.460
2014	51479	35079.370	26945.630	8133.740	15.800	23.187	565.745	386.476	296.127	90.349
2015	50691	34324.171	25798.337	8525.833	16.819	24.839	622.461	422.780	316.792	105.987
2016	49117	33054.753	24186.953	8867.799	18.055	26.828	597.214	403.264	294.091	109.173
2017	48609	32471.234	23103.575	9367.660	19.271	28.849	585.283	392.399	278.180	114.219
2018	50787	33657.595	23205.359	10452.24	20.580	31.055	605.513	402.871	276.667	126.205
2019	51390	33863.424	22648.634	11214.79	21.823	33.118	606.578	401.412	267.331	134.081
2020	51831	33910.830	22072.375	11838.45	22.840	34.911	692.666	455.532	294.973	160.559
2021	48428	31531.880	19838.760	11693.12	24.145	37.083	642.275	420.521	263.112	157.409
2022	48757	31560.212	19211.675	12348.54	25.326	39.127	641.500	417.708	252.768	164.941
2023	49054	31508.781	18565.828	12942.95	26.385	41.077	640.145	413.791	242.280	171.511
2024	49272	31517.293	17925.864	13591.43	27.584	43.124	637.822	410.740	232.049	178.691
2025	48998	31175.389	17189.776	13985.61	28.543	44.861	731.074	468.912	256.480	212.432
2026	45848	29044.598	15449.233	13595.36	29.653	46.809	681.164	435.206	229.529	205.677
2027	45661	28825.765	14761.151	14064.61	30.802	48.792	675.367	430.203	218.330	211.873
2028	45426	28513.846	14051.731	14462.11	31.837	50.720	668.761	423.769	206.871	216.898
2029	45153	28148.109	13327.605	14820.50	32.823	52.652	661.503	416.486	195.252	221.234
2030	44034	27314.475	12528.172	14786.30	33.579	54.134	762.225	478.407	216.862	261.545
2031	41393	25423.102	11358.255	14064.85	33.979	55.323	715.150	444.684	196.239	248.445
2032	40998	25085.902	10784.230	14301.67	34.884	57.011	706.563	437.933	185.858	252.075
2033	40582	24645.067	10212.852	14432.22	35.563	58.560	697.319	429.194	175.488	253.706
2034	40130	24239.126	9663.790	14575.34	36.320	60.131	687.301	420.967	165.509	255.458
2035	38196	22944.147	8917.356	14026.79	36.723	61.135	799.169	487.980	186.576	301.404
2036	33672	19950.581	7454.614	12495.97	37.111	62.635	705.125	424.953	156.109	268.844
2037	33103	19415.334	6939.485	12475.85	37.688	64.258	693.350	413.871	145.351	268.520
2038	32535	18939.317	6531.736	12407.58	38.137	65.512	681.032	403.701	136.726	266.975
2039	31981	18379.752	6072.567	12307.18	38.483	66.961	668.384	391.373	126.915	264.458

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3260296	398833.796	212396.898	186436.9	5.718	46.746	891.117	109.498	58.053	51.445

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12770.826	85.653	0.089	0.666	1393.01	185.775	184.537	1.238
1992	93721	12662.244	12425.266	236.977	0.253	1.872	1335.88	180.485	177.107	3.378
1993	93680	12730.613	12278.803	451.809	0.482	3.549	1316.45	178.900	172.549	6.351
1994	90835	12495.323	11792.480	702.843	0.774	5.625	1257.48	172.983	163.250	9.733
1995	89703	12365.590	11373.253	992.338	1.106	8.025	1222.55	168.534	155.003	13.531
1996	88295	12290.551	10939.128	1351.424	1.531	10.996	1187.70	165.338	147.148	18.190
1997	84791	11719.531	10093.676	1625.855	1.917	13.873	1124.73	155.473	133.890	21.583
1998	82537	11416.794	9472.200	1944.594	2.356	17.033	1079.38	149.327	123.874	25.453
1999	93970	13028.038	10353.814	2674.224	2.846	20.527	1212.31	168.109	133.574	34.535
2000	90080	12426.299	9442.378	2983.921	3.313	24.013	1147.61	158.354	120.295	38.059
2001	86170	11939.281	8579.381	3359.900	3.899	28.142	1085.54	150.461	108.080	42.381
2002	83077	11528.794	7802.226	3726.568	4.486	32.324	1036.23	143.865	97.318	46.548
2003	79377	11048.407	7045.475	4002.932	5.043	36.231	980.711	136.581	87.047	49.534
2004	73947	10375.132	6186.524	4188.608	5.664	40.372	904.397	126.978	75.663	51.315
2005	71749	10051.029	5609.852	4441.177	6.190	44.186	867.703	121.652	67.843	53.809
2006	67663	9542.523	4940.450	4602.073	6.801	48.227	811.033	114.490	59.218	55.272
2007	63626	8936.533	4303.910	4632.623	7.281	51.839	754.927	106.151	51.067	55.085
2008	63312	8944.180	4001.797	4942.383	7.806	55.258	742.943	105.091	46.960	58.131
2009	59899	8390.033	3509.118	4880.916	8.149	58.175	694.867	97.471	40.708	56.763
2010	58175	8157.570	3179.247	4978.322	8.557	61.027	667.014	93.685	36.452	57.233
2011	57553	8035.356	2898.661	5136.695	8.925	63.926	653.553	91.414	32.916	58.498
2012	57617	7970.766	2656.163	5314.603	9.224	66.676	647.453	89.752	29.848	59.904
2013	57295	7743.216	2411.941	5331.275	9.305	68.851	636.792	86.254	26.807	59.447
2014	57792	7774.935	2247.402	5527.533	9.565	71.094	635.119	85.658	24.698	60.959
2015	58679	7722.535	2108.338	5614.197	9.568	72.699	720.555	95.120	25.889	69.231
2016	58971	7600.353	1931.090	5669.263	9.614	74.592	717.029	92.723	23.480	69.243
2017	59347	7470.266	1777.590	5692.676	9.592	76.204	714.575	90.274	21.403	68.871
2018	56432	6907.050	1540.766	5366.284	9.509	77.693	672.813	82.675	18.370	64.306
2019	56271	6732.046	1417.449	5314.597	9.445	78.945	664.188	79.801	16.731	63.070
2020	55729	6429.836	1291.000	5138.835	9.221	79.922	744.762	86.373	17.253	69.121
2021	56746	6562.016	1230.118	5331.897	9.396	81.254	752.588	87.513	16.314	71.199
2022	56310	6352.366	1133.574	5218.792	9.268	82.155	740.874	84.075	14.914	69.161
2023	55852	6134.123	1050.552	5083.571	9.102	82.874	728.852	80.557	13.709	66.847
2024	55314	5922.193	972.079	4950.114	8.949	83.586	716.029	77.179	12.583	64.596
2025	53867	5504.188	874.823	4629.365	8.594	84.106	803.720	82.789	13.053	69.736
2026	55907	5641.075	862.594	4778.481	8.547	84.709	830.612	84.526	12.816	71.711
2027	54854	5426.216	804.025	4622.190	8.426	85.183	811.339	80.982	11.892	69.090
2028	53771	5197.830	747.889	4449.941	8.276	85.612	791.623	77.249	11.011	66.239
2029	52679	4973.547	697.550	4275.997	8.117	85.975	771.765	73.590	10.219	63.371
2030	50203	4450.618	607.055	3843.563	7.656	86.360	869.010	77.952	10.508	67.443
2031	52790	4555.052	611.350	3943.702	7.470	86.579	912.071	79.674	10.562	69.112
2032	51502	4349.999	572.289	3777.710	7.335	86.844	887.603	75.939	9.863	66.076
2033	50226	4147.948	539.665	3608.283	7.184	86.990	863.030	72.237	9.273	62.963
2034	48939	3966.133	508.308	3457.826	7.066	87.184	838.171	68.881	8.706	60.175
2035	45384	3289.064	411.266	2877.798	6.341	87.496	949.564	69.952	8.605	61.348
2036	47288	3313.192	406.359	2906.833	6.147	87.735	990.274	70.572	8.510	62.062
2037	45789	3117.951	377.481	2740.470	5.985	87.893	959.069	66.464	7.907	58.558
2038	44331	2949.775	354.870	2594.905	5.853	87.970	927.970	62.876	7.428	55.448
2039	42930	2766.312	331.953	2434.359	5.670	88.000	897.232	58.905	6.938	51.967

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1360845	104899.750	54692.466	50207.28	3.689	47.862	371.952	28.800	14.949	13.851

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3180.986	26.077	0.080	0.813	469.694	46.342	45.965	0.377
1992	32560	3218.125	3145.300	72.825	0.224	2.263	464.104	45.871	44.832	1.038
1993	32768	3226.680	3088.888	137.793	0.421	4.270	460.482	45.344	43.407	1.937
1994	33006	3277.266	3057.752	219.514	0.665	6.698	456.920	45.370	42.330	3.040
1995	33732	3309.378	2995.041	314.337	0.932	9.498	459.725	45.104	40.819	4.286
1996	33753	3312.987	2888.201	424.786	1.258	12.822	454.034	44.568	38.851	5.717
1997	33704	3267.066	2735.571	531.495	1.577	16.268	447.079	43.341	36.287	7.055
1998	33282	3178.725	2545.381	633.344	1.903	19.924	435.244	41.577	33.288	8.289
1999	33902	3120.351	2383.543	736.808	2.173	23.613	437.366	40.264	30.750	9.514
2000	33842	3142.808	2281.523	861.285	2.545	27.405	431.139	40.050	29.066	10.984
2001	32524	2961.588	2037.317	924.272	2.842	31.209	409.731	37.323	25.665	11.657
2002	32101	2940.627	1901.910	1038.718	3.236	35.323	400.403	36.695	23.723	12.973
2003	30596	2819.545	1714.303	1105.242	3.612	39.199	378.014	34.855	21.180	13.675
2004	29421	2730.466	1554.245	1176.221	3.998	43.078	359.829	33.417	19.009	14.408
2005	27992	2670.510	1423.058	1247.452	4.457	46.712	338.519	32.322	17.210	15.112
2006	27245	2623.285	1306.720	1316.565	4.832	50.188	326.566	31.474	15.663	15.811
2007	26351	2536.599	1178.778	1357.821	5.153	53.529	312.662	30.131	13.986	16.144
2008	26054	2469.443	1073.073	1396.370	5.359	56.546	305.742	29.015	12.592	16.423
2009	25102	2386.945	968.655	1418.290	5.650	59.419	291.204	27.730	11.237	16.493
2010	24910	2329.274	883.608	1445.666	5.803	62.065	285.614	26.750	10.131	16.619
2011	24871	2286.581	806.711	1479.870	5.950	64.720	282.426	26.013	9.161	16.852
2012	24587	2243.311	736.472	1506.839	6.129	67.170	276.292	25.260	8.276	16.984
2013	24548	2176.503	665.738	1510.766	6.154	69.413	272.833	24.245	7.399	16.846
2014	25407	2211.619	631.970	1579.649	6.217	71.425	279.223	24.366	6.945	17.421
2015	26444	2237.016	603.738	1633.278	6.176	73.011	324.726	27.554	7.414	20.140
2016	26878	2229.057	565.456	1663.601	6.189	74.632	326.811	27.194	6.875	20.319
2017	27778	2221.649	531.341	1690.308	6.085	76.083	334.462	26.848	6.398	20.450
2018	25418	1939.420	439.600	1499.820	5.901	77.333	303.046	23.214	5.241	19.773
2019	25607	1904.400	407.078	1497.321	5.847	78.624	302.251	22.574	4.805	17.770
2020	25574	1806.054	367.916	1438.139	5.624	79.629	341.762	24.261	4.917	19.344
2021	25660	1748.172	337.064	1411.108	5.499	80.719	340.312	23.314	4.470	18.844
2022	25767	1701.148	312.404	1388.744	5.390	81.636	339.018	22.515	4.110	18.405
2023	25866	1652.087	291.115	1360.971	5.262	82.379	337.544	21.696	3.799	17.897
2024	25922	1597.127	269.373	1327.754	5.122	83.134	335.556	20.814	3.487	17.327
2025	25540	1467.622	239.013	1228.609	4.811	83.714	381.062	22.075	3.566	18.508
2026	25782	1390.505	218.737	1171.768	4.545	84.269	383.049	20.835	3.250	17.586
2027	25583	1342.095	203.879	1138.216	4.449	84.809	378.388	20.030	3.016	17.014
2028	25357	1289.536	190.152	1099.384	4.336	85.254	373.306	19.165	2.799	16.365
2029	25118	1242.216	177.966	1064.250	4.237	85.674	367.988	18.380	2.607	15.773
2030	24325	1096.803	152.187	944.616	3.883	86.124	421.063	19.210	2.634	16.576
2031	24352	1019.991	138.827	881.164	3.619	86.389	420.725	17.841	2.399	15.442
2032	24019	977.406	130.082	847.324	3.528	86.691	413.957	17.063	2.242	14.821
2033	23678	937.450	123.057	814.392	3.439	86.873	406.865	16.326	2.114	14.211
2034	23312	900.763	116.139	784.624	3.366	87.107	399.266	15.644	1.989	13.655
2035	22176	745.023	93.994	651.029	2.936	87.384	463.978	15.845	1.967	13.879
2036	21351	680.360	83.784	596.575	2.794	87.685	447.121	14.492	1.755	12.737
2037	20852	644.109	78.367	565.742	2.713	87.833	436.763	13.730	1.641	12.089
2038	20353	612.448	73.923	538.525	2.646	87.930	426.050	13.055	1.547	11.507
2039	19862	577.529	69.514	508.015	2.558	87.964	415.120	12.298	1.453	10.845

Results for PHIM for Run 6 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.1 Dual:0.55
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2179861	862051.244	576595.197	285456.0	13.095	33.114	595.808	236.673	157.597	79.075

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11585.600	17.333	0.065	0.149	383.818	167.661	167.411	0.250
1992	26828	11831.375	11783.804	47.571	0.177	0.402	382.401	168.642	167.964	0.678
1993	29774	13246.371	13143.880	102.491	0.344	0.774	418.408	186.148	184.706	1.442
1994	29805	13355.662	13193.087	162.575	0.545	1.217	412.606	184.893	182.639	2.255
1995	29757	13397.439	13156.096	241.344	0.811	1.801	405.549	182.598	179.301	3.297
1996	30903	13960.356	13623.662	336.694	1.090	2.412	415.696	187.801	183.259	4.542
1997	31133	14109.552	13670.245	439.308	1.411	3.114	412.975	187.180	181.333	5.847
1998	32104	14599.657	14025.234	574.423	1.789	3.934	419.842	190.958	183.417	7.541
1999	34628	15728.102	14983.960	744.142	2.149	4.731	446.732	202.950	193.308	9.642
2000	34315	15579.803	14694.613	885.191	2.580	5.682	437.170	198.541	187.208	11.333
2001	34613	15696.614	14630.793	1065.821	3.079	6.790	436.044	197.812	184.313	13.498
2002	34318	15519.777	14282.875	1236.902	3.604	7.970	428.049	193.668	178.152	15.516
2003	35108	15888.389	14427.156	1461.233	4.162	9.197	433.767	196.413	178.249	18.164
2004	33552	15091.573	13506.657	1584.916	4.724	10.502	410.358	184.701	165.191	19.510
2005	35443	15803.656	13911.098	1892.557	5.340	11.975	428.635	191.278	168.235	23.044
2006	34040	15100.563	13087.295	2013.268	5.915	13.332	408.011	181.174	156.869	24.305
2007	34068	14974.384	12748.304	2226.079	6.534	14.866	404.227	177.871	151.261	26.610
2008	37512	16406.197	13738.816	2667.382	7.111	16.258	440.196	192.768	161.221	31.546
2009	36924	16083.194	13186.995	2896.199	7.844	18.008	428.340	186.846	152.977	33.869
2010	36899	15927.400	12826.335	3101.065	8.404	19.470	423.069	182.917	147.062	35.855
2011	37763	16221.836	12779.437	3442.398	9.116	21.221	428.823	184.547	145.118	39.428
2012	38409	16358.849	12606.438	3752.412	9.770	22.938	431.613	184.202	141.661	42.542
2013	40280	16994.822	12782.039	4212.783	10.459	24.789	447.683	189.311	142.062	47.249
2014	40270	16855.093	12362.469	4492.624	11.156	26.654	442.555	185.696	135.861	49.835
2015	42416	17572.483	12633.526	4938.957	11.644	28.106	520.850	216.445	155.134	61.311
2016	42844	17579.955	12281.301	5298.654	12.367	30.140	520.945	214.473	149.329	65.144
2017	44635	18080.688	12269.452	5811.236	13.020	32.141	537.428	218.496	147.731	70.765
2018	45663	18209.262	12027.579	6181.683	13.538	33.948	544.414	217.960	143.399	74.560
2019	47217	18648.302	11950.652	6697.650	14.185	35.916	557.322	221.054	141.059	79.996
2020	48714	19002.597	11869.439	7133.158	14.643	37.538	651.002	255.266	158.622	96.644
2021	48751	18885.717	11406.061	7479.656	15.343	39.605	646.561	251.867	151.273	100.594
2022	50163	19235.076	11258.333	7976.743	15.901	41.470	660.000	254.582	148.126	106.456
2023	51585	19521.158	11088.196	8432.962	16.348	43.199	673.173	256.363	144.699	111.664
2024	52948	19918.620	10932.292	8986.328	16.972	45.115	685.410	259.583	141.518	118.066
2025	53988	20150.545	10721.002	9429.543	17.466	46.795	805.534	303.086	159.962	143.124
2026	54887	20393.792	10462.322	9931.470	18.094	48.698	815.463	305.582	155.439	150.143
2027	55756	20615.351	10182.501	10432.85	18.711	50.607	824.684	307.668	150.608	157.061
2028	56569	20731.894	9858.350	10873.54	19.222	52.448	832.821	308.115	145.136	162.979
2029	57344	20781.967	9509.289	11272.68	19.658	54.243	840.096	307.495	139.313	168.182
2030	57628	20753.201	9164.031	11589.17	20.110	55.843	997.534	363.487	158.629	204.859
2031	59248	21048.417	9077.157	11971.26	20.205	56.875	1023.64	368.165	156.828	211.337
2032	59804	21169.329	8778.731	12390.60	20.719	58.531	1030.68	369.560	151.295	218.266
2033	60321	21109.293	8438.827	12670.47	21.005	60.023	1036.49	367.618	145.005	222.613
2034	60762	21109.429	8107.170	13002.26	21.399	61.595	1040.65	366.613	138.849	227.763
2035	60143	20794.840	7734.192	13060.65	21.716	62.807	1258.36	442.268	161.821	280.447
2036	57222	19354.577	6943.687	12410.89	21.689	64.124	1198.30	412.258	145.410	266.848
2037	57213	19064.169	6519.695	12544.47	21.926	65.801	1198.35	406.385	136.558	269.827
2038	57171	18854.812	6180.166	12674.65	22.170	67.222	1196.73	401.900	129.367	272.533
2039	57120	18437.457	5769.646	12667.81	22.177	68.707	1193.80	392.602	120.584	272.018

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Control File Details for Run: 7

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.2
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_1
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 7, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 7, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.001921	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.002360	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000188	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000093	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000047	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.002944	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.004193	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000412	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000578	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000218	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.003449	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.004264	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.001965	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000671	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000332	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.003294	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.004442	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000059	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.001351	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000661	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.002198	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.003788	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000304	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000239	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000119	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 7, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 7, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			M (Males)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	11508	12.47	0	0.00			
5	All Ages	Ecig	15517	16.81					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26897	29.14			15.19	1705	6.34
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	320	9.03	0	0.00			
5	18-19	Ecig	659	18.59					
5	18-19	Dual	0	0.00					
5	18-19	Former	117	3.30			1.11	80	68.38
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	946	10.46	0	0.00			
5	20-24	Ecig	1826	20.20					
5	20-24	Dual	0	0.00					
5	20-24	Former	481	5.32			2.81	142	29.52
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	1942	19.78					
5	25-29	Dual	0	0.00					
5	25-29	Former	1148	11.70			5.43	115	10.02
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

5	30-34	Never Any	5065	47.50					
5	30-34	CC	1480	13.88	0	0.00			
5	30-34	Ecig	2319	21.75					
5	30-34	Dual	0	0.00					
5	30-34	Former	1800	16.88			6.94	106	5.89
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2275	20.84					
5	35-39	Dual	0	0.00					
5	35-39	Former	2421	22.18			8.20	114	4.71
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1894	19.15					
5	40-44	Dual	0	0.00					
5	40-44	Former	2774	28.05			12.06	130	4.69
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1562	18.05					
5	45-49	Dual	0	0.00					
5	45-49	Former	2945	34.03			14.20	148	5.03
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	1015	15.58					
5	50-54	Dual	0	0.00					
5	50-54	Former	2641	40.54			15.98	175	6.63
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	762	13.91					
5	55-59	Dual	0	0.00					
5	55-59	Former	2364	43.16			17.21	122	5.16
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	572	11.48					
5	60-64	Dual	0	0.00					
5	60-64	Former	2477	49.71			17.27	143	5.77
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	360	7.34					
5	65-69	Dual	0	0.00					
5	65-69	Former	2899	59.10			20.44	196	6.76
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	196	4.47					
5	70-74	Dual	0	0.00					
5	70-74	Former	2730	62.23			22.00	137	5.02
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	135	3.86					
5	75-79	Dual	0	0.00					
5	75-79	Former	2100	60.02			23.02	97	4.62
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	4843	5.15	0	0.00			
10	All Ages	Ecig	20724	22.03					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29348	31.19			16.84	1724	5.87
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	462	5.22	0	0.00			
10	20-24	Ecig	2544	28.76					
10	20-24	Dual	0	0.00					
10	20-24	Former	912	10.31			3.41	258	28.29
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	404	4.47	0	0.00			
10	25-29	Ecig	2359	26.10					
10	25-29	Dual	0	0.00					
10	25-29	Former	936	10.35			4.91	195	20.83
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	481	4.90	0	0.00			
10	30-34	Ecig	2608	26.57					
10	30-34	Dual	0	0.00					
10	30-34	Former	1451	14.78			8.66	118	8.13
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	2980	27.94					
10	35-39	Dual	0	0.00					
10	35-39	Former	2078	19.49			10.61	109	5.25
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	2857	26.17					
10	40-44	Dual	0	0.00					
10	40-44	Former	2768	25.36			11.82	124	4.48
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2312	23.38					
10	45-49	Dual	0	0.00					
10	45-49	Former	3152	31.87			15.25	163	5.17
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	1859	21.48					
10	50-54	Dual	0	0.00					
10	50-54	Former	3411	39.41			16.85	186	5.45
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1194	18.33					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		3039	46.65			18.50	146	4.80
10	60-64	Never Any		1611	29.41					
10	60-64	CC		306	5.59	0	0.00			
10	60-64	Ecig		852	15.56					
10	60-64	Dual		0	0.00					
10	60-64	Former		2708	49.44			19.63	144	5.32
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		244	4.90	0	0.00			
10	65-69	Ecig		603	12.10					
10	65-69	Dual		0	0.00					
10	65-69	Former		2799	56.17			19.95	120	4.29
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		236	4.81	0	0.00			
10	70-74	Ecig		327	6.67					
10	70-74	Dual		0	0.00					
10	70-74	Former		3173	64.69			23.44	94	2.96
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		214	4.88	0	0.00			
10	75-79	Ecig		229	5.22					
10	75-79	Dual		0	0.00					
10	75-79	Former		2921	66.58			25.38	67	2.29
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		1911	2.13	0	0.00			
15	All Ages	Ecig		20003	22.30					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		30342	33.82			18.46	1574	5.19
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		179	2.02	0	0.00			
15	25-29	Ecig		2661	30.08					
15	25-29	Dual		0	0.00					
15	25-29	Former		1371	15.50			6.32	174	12.69
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		153	1.69	0	0.00			
15	30-34	Ecig		2479	27.42					
15	30-34	Dual		0	0.00					
15	30-34	Former		1366	15.11			7.38	171	12.52
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		188	1.92	0	0.00			

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15	35-39	Ecig	2654	27.04					
15	35-39	Dual	0	0.00					
15	35-39	Former	1811	18.45			11.33	147	8.12
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	2948	27.64					
15	40-44	Dual	0	0.00					
15	40-44	Former	2488	23.33			13.32	199	8.00
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	2793	25.59					
15	45-49	Dual	0	0.00					
15	45-49	Former	3183	29.16			14.88	160	5.03
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	2180	22.04					
15	50-54	Dual	0	0.00					
15	50-54	Former	3555	35.95			18.19	154	4.33
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	1781	20.58					
15	55-59	Dual	0	0.00					
15	55-59	Former	3747	43.29			20.09	117	3.12
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	1100	16.88					
15	60-64	Dual	0	0.00					
15	60-64	Former	3353	51.47			21.47	156	4.65
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	705	12.87					
15	65-69	Dual	0	0.00					
15	65-69	Former	3037	55.45			22.19	118	3.89
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	441	8.85					
15	70-74	Dual	0	0.00					
15	70-74	Former	3076	61.73			22.89	112	3.64
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	261	5.32					
15	75-79	Dual	0	0.00					
15	75-79	Former	3355	68.40			27.01	66	1.97
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	738	0.87	0	0.00			
20	All Ages	Ecig	17076	20.14					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	30883	36.42			19.82	1518	4.92
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	71	0.80	0	0.00			
20	30-34	Ecig	2376	26.86					
20	30-34	Dual	0	0.00					
20	30-34	Former	1890	21.37			8.72	230	12.17
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	59	0.65	0	0.00			
20	35-39	Ecig	2154	23.83					
20	35-39	Dual	0	0.00					
20	35-39	Former	1836	20.31			9.77	141	7.68
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2416	24.61					
20	40-44	Dual	0	0.00					
20	40-44	Former	2169	22.10			13.96	143	6.59
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	2619	24.56					
20	45-49	Dual	0	0.00					
20	45-49	Former	2959	27.75			15.74	171	5.78
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2490	22.81					
20	50-54	Dual	0	0.00					
20	50-54	Former	3615	33.12			17.75	174	4.81
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	1859	18.80					
20	55-59	Dual	0	0.00					
20	55-59	Former	4004	40.49			20.81	181	4.52
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1428	16.50					
20	60-64	Dual	0	0.00					
20	60-64	Former	4228	48.85			22.41	241	5.70
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	809	12.42					
20	65-69	Dual	0	0.00					
20	65-69	Former	3727	57.21			24.03	133	3.57
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	574	10.48					
20	70-74	Dual	0	0.00					
20	70-74	Former	3223	58.85			25.75	61	1.89
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	351	7.04					
20	75-79	Dual	0	0.00					
20	75-79	Former	3232	64.86			26.66	43	1.33
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	289	0.36	0	0.00			
25	All Ages	Ecig	14107	17.67					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	30674	38.43			21.87	1088	3.55
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	28	0.32	0	0.00			
25	35-39	Ecig	1990	22.50					
25	35-39	Dual	0	0.00					
25	35-39	Former	2338	26.43			11.53	142	6.07
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	20	0.22	0	0.00			
25	40-44	Ecig	1897	20.98					
25	40-44	Dual	0	0.00					

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Year of Follow-up: 2015, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Former		2132	23.58			13.01	112	5.25
25	45-49	Never Any		5163	52.60					
25	45-49	CC		29	0.30	0	0.00			
25	45-49	Ecig		2195	22.36					
25	45-49	Dual		0	0.00					
25	45-49	Former		2429	24.75			17.18	81	3.33
Year of Follow-up: 2015, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any		4997	46.86					
25	50-54	CC		37	0.35	0	0.00			
25	50-54	Ecig		2387	22.38					
25	50-54	Dual		0	0.00					
25	50-54	Former		3243	30.41			19.10	130	4.01
Year of Follow-up: 2015, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any		4724	43.28					
25	55-59	CC		33	0.30	0	0.00			
25	55-59	Ecig		2103	19.27					
25	55-59	Dual		0	0.00					
25	55-59	Former		4056	37.16			20.50	162	3.99
Year of Follow-up: 2015, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any		3941	39.85					
25	60-64	CC		28	0.28	0	0.00			
25	60-64	Ecig		1443	14.59					
25	60-64	Dual		0	0.00					
25	60-64	Former		4477	45.27			23.28	205	4.58
Year of Follow-up: 2015, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any		2912	33.65					
25	65-69	CC		43	0.50	0	0.00			
25	65-69	Ecig		1019	11.77					
25	65-69	Dual		0	0.00					
25	65-69	Former		4681	54.08			24.99	134	2.86
Year of Follow-up: 2015, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any		1919	29.46					
25	70-74	CC		35	0.54	0	0.00			
25	70-74	Ecig		616	9.46					
25	70-74	Dual		0	0.00					
25	70-74	Former		3945	60.55			27.55	70	1.77
Year of Follow-up: 2015, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any		1611	29.41					
25	75-79	CC		36	0.66	0	0.00			
25	75-79	Ecig		457	8.34					
25	75-79	Dual		0	0.00					
25	75-79	Former		3373	61.58			29.48	52	1.54
Year of Follow-up: 2020, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any		33136	44.57					
30	All Ages	CC		100	0.13	0	0.00			
30	All Ages	Ecig		11358	15.28					
30	All Ages	Dual		0	0.00					
30	All Ages	Former		29746	40.01			23.97	918	3.09
Year of Follow-up: 2020, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any		0	.					
30	18-19	CC		0	.	0	.			
30	18-19	Ecig		0	.					
30	18-19	Dual		0	.					
30	18-19	Former		0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any		0	.					
30	20-24	CC		0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	12	0.14	0	0.00			
30	40-44	Ecig	1743	19.71					
30	40-44	Dual	0	0.00					
30	40-44	Former	2601	29.41			15.05	107	4.11
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	5	0.06	0	0.00			
30	45-49	Ecig	1690	18.69					
30	45-49	Dual	0	0.00					
30	45-49	Former	2354	26.04			16.54	63	2.68
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	2021	20.59					
30	50-54	Dual	0	0.00					
30	50-54	Former	2623	26.72			20.66	99	3.77
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	2002	18.77					
30	55-59	Dual	0	0.00					
30	55-59	Former	3647	34.20			21.65	157	4.30
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	1614	14.79					
30	60-64	Dual	0	0.00					
30	60-64	Former	4568	41.85			22.87	203	4.44
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	1039	10.51					
30	65-69	Dual	0	0.00					
30	65-69	Former	4896	49.51			26.05	145	2.96
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	770	8.90					
30	70-74	Dual	0	0.00					
30	70-74	Former	4955	57.25			28.45	93	1.88
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	479	7.35					
30	75-79	Dual	0	0.00					
30	75-79	Former	4102	62.96			31.39	51	1.24
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	38	0.06	0	0.00			
35	All Ages	Ecig	8864	13.07					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	27706	40.85			25.87	785	2.83
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	7	0.08	0	0.00			
35	45-49	Ecig	1541	17.42					
35	45-49	Dual	0	0.00					
35	45-49	Former	2808	31.75			18.76	60	2.14
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	3	0.03	0	0.00			
35	50-54	Ecig	1554	17.19					
35	50-54	Dual	0	0.00					
35	50-54	Former	2492	27.57			20.44	75	3.01
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1664	16.95					
35	55-59	Dual	0	0.00					
35	55-59	Former	2989	30.45			22.76	155	5.19
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	1532	14.37					
35	60-64	Dual	0	0.00					
35	60-64	Former	4126	38.69			23.79	186	4.51
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	1169	10.71					
35	65-69	Dual	0	0.00					
35	65-69	Former	5018	45.97			25.57	158	3.15
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	811	8.20					
35	70-74	Dual	0	0.00					
35	70-74	Former	5132	51.90			29.73	79	1.54
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	593	6.85					
35	75-79	Dual	0	0.00					
35	75-79	Former	5141	59.40			32.31	72	1.40
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	15	0.03	0	0.00			
40	All Ages	Ecig	6535	11.04					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	24315	41.09			27.43	691	2.84
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4489	50.75					
40	50-54	CC		3	0.03	0	0.00			
40	50-54	Ecig		1392	15.74					
40	50-54	Dual		0	0.00					
40	50-54	Former		2961	33.48			22.61	80	2.70
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		4991	55.21					
40	55-59	CC		2	0.02	0	0.00			
40	55-59	Ecig		1291	14.28					
40	55-59	Dual		0	0.00					
40	55-59	Former		2756	30.49			23.19	114	4.14
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5163	52.60					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		1238	12.61					
40	60-64	Dual		0	0.00					
40	60-64	Former		3415	34.79			24.53	183	5.36
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		4997	46.86					
40	65-69	CC		4	0.04	0	0.00			
40	65-69	Ecig		1119	10.49					
40	65-69	Dual		0	0.00					
40	65-69	Former		4544	42.61			26.35	136	2.99
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		4724	43.28					
40	70-74	CC		3	0.03	0	0.00			
40	70-74	Ecig		880	8.06					
40	70-74	Dual		0	0.00					
40	70-74	Former		5309	48.64			29.01	95	1.79
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		3941	39.85					
40	75-79	CC		3	0.03	0	0.00			

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

40	75-79	Ecig	615	6.22					
40	75-79	Dual	0	0.00					
40	75-79	Former	5330	53.90			33.51	83	1.56
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	6	0.01	0	0.00			
45	All Ages	Ecig	4578	9.29					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	20333	41.26			28.82	538	2.65
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

45	55-59	Never Any	4489	50.75					
45	55-59	CC	2	0.02	0	0.00			
45	55-59	Ecig	1171	13.24					
45	55-59	Dual	0	0.00					
45	55-59	Former	3183	35.99			25.82	100	3.14
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	1020	11.28					
45	60-64	Dual	0	0.00					
45	60-64	Former	3029	33.51			25.81	129	4.26
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	902	9.19					
45	65-69	Dual	0	0.00					
45	65-69	Former	3751	38.21			27.09	106	2.83
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	850	7.97					
45	70-74	Dual	0	0.00					
45	70-74	Former	4816	45.16			29.70	104	2.16
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	635	5.82					
45	75-79	Dual	0	0.00					
45	75-79	Former	5554	50.88			32.60	99	1.78
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	2868	7.48					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	15856	41.33			30.34	408	2.57
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	865	9.78					
50	60-64	Dual	0	0.00					
50	60-64	Former	3491	39.47			28.27	129	3.70
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	705	7.80					
50	65-69	Dual	0	0.00					
50	65-69	Former	3344	36.99			28.11	120	3.59
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	665	6.77					
50	70-74	Dual	0	0.00					
50	70-74	Former	3988	40.63			30.31	80	2.01
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	633	5.94					
50	75-79	Dual	0	0.00					
50	75-79	Former	5033	47.20			33.29	79	1.57

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13148871	4509390.583	3321394.806	1187996	9.035	26.345	3806.31	1305.37	961.472	343.899

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	0.000	
1991	313217	123999.442	123641.992	357.450	0.114	0.288	4883.81	1933.45	1927.88	5.574
1992	308577	122014.015	121063.481	950.534	0.308	0.779	4729.73	1870.18	1855.61	14.569
1993	311713	122810.618	121033.114	1777.504	0.570	1.447	4692.62	1848.83	1822.07	26.759
1994	305700	119925.592	117207.023	2718.569	0.889	2.267	4516.19	1771.69	1731.53	40.162
1995	303225	117896.496	114082.194	3814.302	1.258	3.235	4393.80	1708.35	1653.08	55.270
1996	299559	115698.645	110684.311	5014.334	1.674	4.334	4273.16	1650.42	1578.89	71.529
1997	294226	113359.847	107144.862	6214.985	2.112	5.483	4128.67	1590.70	1503.49	87.211
1998	289258	111444.212	104025.477	7418.735	2.565	6.657	3992.19	1538.10	1435.71	102.390
1999	311002	114877.722	104991.040	9886.681	3.179	8.606	4224.60	1560.48	1426.18	134.299
2000	303786	112379.704	101143.973	11235.73	3.699	9.998	4066.21	1504.22	1353.82	150.392
2001	296294	110024.943	97332.273	12692.67	4.284	11.536	3914.28	1453.52	1285.84	167.680
2002	291898	108289.173	93977.063	14312.11	4.903	13.217	3813.00	1414.56	1227.60	186.956
2003	285865	106539.023	90806.355	15732.67	5.504	14.767	3695.36	1377.22	1173.85	203.375
2004	274177	103037.251	86255.208	16782.04	6.121	16.287	3506.10	1317.61	1103.01	214.604
2005	272379	103044.562	84758.306	18286.26	6.714	17.746	3442.69	1302.41	1071.29	231.126
2006	264118	99672.555	80119.314	19553.24	7.403	19.617	3307.76	1248.28	1003.40	244.881
2007	258419	97839.152	77221.300	20617.85	7.978	21.073	3203.20	1212.75	957.186	255.566
2008	259461	98075.852	76116.971	21958.88	8.463	22.390	3180.09	1202.07	932.931	269.140
2009	253907	95617.338	72734.997	22882.34	9.012	23.931	3075.31	1158.11	880.964	277.150
2010	251878	94607.988	70694.153	23913.83	9.494	25.277	3013.72	1131.98	845.855	286.129
2011	251779	93633.119	68437.826	25195.29	10.007	26.909	2982.76	1109.25	810.766	298.483
2012	252643	92775.175	66328.017	26447.16	10.468	28.507	2960.61	1087.19	777.267	309.922
2013	256175	92345.780	64614.004	27731.78	10.825	30.030	2967.76	1069.82	748.546	321.270
2014	257393	91379.215	62584.365	28794.85	11.187	31.511	2947.05	1046.26	716.567	329.690
2015	259782	90750.242	61021.778	29728.46	11.444	32.759	3346.10	1168.90	785.986	382.915
2016	261453	88811.996	58126.847	30685.15	11.736	34.551	3336.15	1133.24	741.701	391.544
2017	263685	87325.126	55754.536	31570.59	11.973	36.153	3333.85	1104.08	704.922	399.157
2018	258714	87612.144	55377.477	32234.67	12.460	36.792	3240.73	1097.46	693.675	403.781
2019	261438	87797.760	54464.973	33332.79	12.750	37.965	3242.99	1089.08	675.607	413.474
2020	262288	87221.042	53284.248	33936.79	12.939	38.909	3715.29	1235.48	754.767	480.712
2021	255079	82001.292	48414.437	33586.85	13.167	40.959	3587.82	1153.39	680.973	472.416
2022	257097	81915.977	47306.705	34609.27	13.462	42.250	3588.53	1143.37	660.302	483.073
2023	259080	81810.810	46246.484	35564.33	13.727	43.471	3586.88	1132.64	640.268	492.377
2024	260719	81528.303	45171.789	36356.51	13.945	44.594	3579.65	1119.38	620.206	499.173
2025	257308	79599.213	43551.202	36048.01	14.010	45.287	4112.08	1272.09	695.999	576.089
2026	251528	75082.462	39653.136	35429.33	14.086	47.187	4003.24	1194.99	631.107	563.882
2027	250988	74444.425	38419.502	36024.92	14.353	48.392	3976.53	1179.46	608.700	570.761
2028	250285	73699.585	37111.148	36588.44	14.619	49.645	3945.35	1161.76	585.000	576.760
2029	249525	72819.703	35814.884	37004.82	14.830	50.817	3910.99	1141.36	561.353	580.004
2030	240528	69309.277	33789.418	35519.86	14.767	51.248	4504.36	1297.95	632.772	665.178
2031	235442	65433.368	30805.529	34627.84	14.708	52.921	4397.65	1222.18	575.394	646.788
2032	234017	64643.552	29668.435	34975.12	14.946	54.105	4356.12	1203.31	552.264	651.045
2033	232559	63793.514	28636.116	35157.40	15.118	55.111	4310.93	1182.54	530.826	651.710
2034	230963	63032.151	27642.544	35389.61	15.323	56.145	4260.75	1162.80	509.942	652.858
2035	215822	57653.301	25339.963	32313.34	14.972	56.048	4924.38	1315.47	578.180	737.291
2036	208183	52988.733	22171.518	30817.22	14.803	58.158	4748.94	1208.75	505.763	702.983
2037	205491	52026.921	21200.515	30826.41	15.001	59.251	4682.40	1185.50	483.082	702.421
2038	202834	50943.211	20229.619	30713.59	15.142	60.290	4612.18	1158.38	459.996	698.388
2039	200251	50085.991	19421.317	30664.67	15.313	61.224	4538.65	1135.19	440.181	695.010

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1865456.758	379531.4	12.379	16.906	887.537	649.875	540.009	109.866

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62877.538	40.864	0.052	0.065	1223.41	981.049	980.412	0.637
1992	77987	62366.766	62258.172	108.594	0.139	0.174	1195.35	955.930	954.265	1.664
1993	78542	62652.888	62439.832	213.055	0.271	0.340	1182.39	943.195	939.987	3.207
1994	77437	61565.227	61230.931	334.296	0.432	0.543	1144.00	909.520	904.582	4.939
1995	76904	60851.961	60366.768	485.193	0.631	0.797	1114.36	881.759	874.728	7.031
1996	76232	60122.922	59448.470	674.451	0.885	1.122	1087.44	857.643	848.022	9.621
1997	75473	59237.155	58361.318	875.836	1.160	1.479	1059.06	831.234	818.944	12.290
1998	75381	58906.696	57779.638	1127.058	1.495	1.913	1040.37	813.001	797.445	15.555
1999	73159	56930.073	55561.265	1368.808	1.871	2.404	993.781	773.329	754.736	18.594
2000	73784	57137.121	55457.590	1679.531	2.276	2.939	987.608	764.787	742.307	22.481
2001	73294	56481.726	54449.350	2032.376	2.773	3.598	968.273	746.169	719.320	26.849
2002	72442	55588.365	53192.322	2396.043	3.308	4.310	946.293	726.138	694.839	31.299
2003	71942	54945.856	52151.672	2794.184	3.884	5.085	929.989	710.281	674.161	36.120
2004	71301	54203.126	50967.599	3235.526	4.538	5.969	911.778	693.135	651.760	41.375
2005	70964	53744.603	50063.791	3680.812	5.187	6.849	896.937	679.296	632.773	46.523
2006	69658	52535.572	48390.458	4145.113	5.951	7.890	872.383	657.945	606.032	51.913
2007	68565	51492.124	46894.073	4598.051	6.706	8.930	849.888	638.264	581.269	56.994
2008	68226	51030.736	45891.725	5139.011	7.532	10.070	836.215	625.460	562.474	62.986
2009	67509	50276.199	44597.551	5678.648	8.412	11.295	817.667	608.943	540.164	68.780
2010	67196	49840.933	43627.078	6213.855	9.247	12.467	804.000	596.347	521.998	74.349
2011	66506	49072.841	42272.800	6800.041	10.225	13.857	787.880	581.354	500.796	80.558
2012	66155	48539.512	41114.523	7424.989	11.224	15.297	775.240	568.812	481.802	87.010
2013	65333	47675.741	39704.876	7970.864	12.200	16.719	756.876	552.318	459.977	92.342
2014	65033	47194.534	38651.523	8543.011	13.136	18.102	744.602	540.359	442.545	97.814
2015	64145	46305.842	37284.336	9021.506	14.064	19.482	826.215	596.439	480.238	116.201
2016	61618	44208.867	34938.654	9270.213	15.045	20.969	786.248	564.107	445.819	118.288
2017	59897	42702.624	33110.621	9592.003	16.014	22.462	757.297	539.903	418.628	121.275
2018	62468	44321.202	33604.148	10717.05	17.156	24.180	782.490	555.181	420.936	134.245
2019	63045	44493.088	33038.889	11454.20	18.168	25.744	782.035	551.912	409.829	142.083
2020	63466	44529.551	32389.126	12140.43	19.129	27.264	898.991	630.757	458.789	171.968
2021	57113	39852.556	28329.209	11523.35	20.176	28.915	803.323	560.546	398.464	162.082
2022	57440	39853.685	27648.267	12205.42	21.249	30.626	801.745	556.274	385.912	170.362
2023	57738	39847.050	26982.798	12864.25	22.280	32.284	799.366	551.670	373.568	178.102
2024	57942	39726.010	26284.623	13441.39	23.198	33.835	795.539	545.435	360.886	184.549
2025	57521	39207.348	25390.890	13816.46	24.020	35.239	919.257	626.579	405.776	220.803
2026	51428	34803.960	21987.419	12816.54	24.921	36.825	818.510	553.929	349.945	203.984
2027	51172	34484.595	21221.637	13262.96	25.918	38.461	810.740	546.357	336.225	210.132
2028	50870	34100.638	20430.369	13670.27	26.873	40.088	801.884	537.544	322.053	215.491
2029	50540	33669.838	19650.193	14019.64	27.740	41.639	792.146	527.732	307.992	219.740
2030	49109	32557.688	18608.118	13949.57	28.405	42.846	919.662	609.705	348.473	261.233
2031	43585	28646.393	15989.726	12656.67	29.039	44.182	814.096	535.065	298.660	236.404
2032	43163	28227.160	15340.652	12886.51	29.856	45.653	803.454	525.435	285.559	239.876
2033	42725	27786.623	14752.117	13034.51	30.508	46.909	791.996	515.079	273.459	241.620
2034	42256	27348.299	14178.166	13170.13	31.168	48.157	779.523	504.514	261.555	242.959
2035	39748	25570.077	13075.166	12494.91	31.435	48.865	906.933	583.430	298.335	285.095
2036	34030	21717.319	10746.032	10971.29	32.240	50.519	776.269	495.402	245.132	250.270
2037	33454	21256.024	10242.183	11013.84	32.923	51.815	762.289	484.347	233.382	250.965
2038	32883	20747.175	9751.990	10995.18	33.437	52.996	747.720	471.764	221.748	250.016
2039	32325	20327.688	9344.830	10982.86	33.976	54.029	732.644	460.724	211.799	248.925

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6360041	1098877.421	626490.867	472386.6	7.427	42.988	1841.09	318.101	181.356	136.746

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	37046.106	263.731	0.157	0.707	2620.21	581.750	577.638	4.112
1992	164548	36137.488	35432.669	704.819	0.428	1.950	2522.12	553.899	543.096	10.803
1993	164362	35599.588	34301.092	1298.495	0.790	3.648	2474.35	535.926	516.379	19.548
1994	159866	34336.757	32365.523	1971.234	1.233	5.741	2361.75	507.267	478.145	29.122
1995	158083	33455.759	30714.079	2741.680	1.734	8.195	2290.66	484.782	445.054	39.728
1996	154875	32193.824	28640.623	3553.201	2.294	11.037	2209.26	459.239	408.553	50.686
1997	149970	30665.509	26331.291	4334.218	2.890	14.134	2104.43	430.308	369.489	60.819
1998	145407	29188.430	24127.607	5060.824	3.480	17.338	2006.83	402.844	332.997	69.847
1999	165952	33375.386	26357.045	7018.341	4.229	21.028	2254.27	453.366	358.030	95.336
2000	160260	32024.754	24195.249	7829.505	4.886	24.448	2145.10	428.655	323.856	104.799
2001	154444	30682.393	22004.370	8678.022	5.619	28.283	2040.33	405.339	290.696	114.644
2002	151887	30218.370	20549.170	9669.199	6.366	31.998	1984.06	394.736	268.429	126.307
2003	146733	29175.202	18782.068	10393.13	7.083	35.623	1896.81	377.146	242.794	134.351
2004	138381	27488.687	16716.395	10772.29	7.785	39.188	1769.58	351.518	213.765	137.753
2005	135881	27017.439	15558.387	11459.05	8.433	42.414	1717.44	341.482	196.648	144.835
2006	131922	26231.435	14192.255	12039.18	9.126	45.896	1652.16	328.517	177.741	150.776
2007	126502	25103.049	12815.673	12287.38	9.713	48.948	1568.04	311.161	158.855	152.306
2008	125859	24621.740	11946.543	12675.20	10.071	51.480	1542.60	301.777	146.423	155.354
2009	122428	23741.177	10934.247	12806.93	10.461	53.944	1482.84	287.552	132.435	155.117
2010	120537	23189.160	10176.767	13012.39	10.795	56.114	1442.22	277.458	121.765	155.693
2011	120221	22786.927	9480.741	13306.19	11.068	58.394	1424.23	269.951	112.316	157.635
2012	120927	22485.295	8909.765	13575.53	11.226	60.375	1417.09	263.495	104.409	159.085
2013	122648	22251.884	8429.437	13822.45	11.270	62.118	1420.86	257.786	97.654	160.132
2014	123229	21894.593	7943.926	13950.67	11.321	63.717	1410.92	250.685	90.955	159.730
2015	123774	21471.109	7503.713	13967.40	11.285	65.052	1594.26	276.557	96.651	179.906
2016	126218	21411.568	7179.570	14232.00	11.276	66.469	1610.55	273.213	91.612	181.601
2017	128265	21169.399	6831.994	14337.41	11.178	67.727	1621.69	267.651	86.379	181.272
2018	121429	19830.576	6163.312	13667.26	11.255	68.920	1521.05	248.404	77.203	171.200
2019	121832	19431.014	5863.342	13567.67	11.136	69.825	1511.26	241.031	72.731	168.299
2020	120811	18532.612	5437.392	13095.22	10.839	70.660	1711.27	262.513	77.020	185.493
2021	119407	18234.128	5177.868	13056.26	10.934	71.603	1679.51	256.472	72.829	183.643
2022	119438	17812.559	4910.651	12901.91	10.802	72.432	1667.10	248.626	68.542	180.084
2023	119445	17361.668	4659.420	12702.25	10.634	73.163	1653.68	240.367	64.508	175.859
2024	119305	16929.676	4447.851	12481.82	10.462	73.727	1638.05	232.443	61.069	171.375
2025	115685	15501.666	3991.700	11509.97	9.949	74.250	1848.78	247.735	63.792	183.943
2026	115073	15523.814	3931.647	11592.17	10.074	74.673	1831.46	247.072	62.575	184.497
2027	113989	15073.070	3758.855	11314.22	9.926	75.062	1805.98	238.810	59.553	179.257
2028	112855	14636.710	3580.291	11056.42	9.797	75.539	1778.98	230.725	56.438	174.287
2029	111718	14180.166	3422.117	10758.05	9.630	75.867	1751.04	222.256	53.637	168.619
2030	104851	12111.772	2878.066	9233.706	8.807	76.237	1963.54	226.816	53.897	172.919
2031	105289	12417.367	2933.296	9484.070	9.008	76.377	1966.62	231.935	54.789	177.146
2032	103879	12054.064	2804.407	9249.657	8.904	76.735	1933.67	224.381	52.203	172.178
2033	102485	11672.389	2671.328	9001.061	8.783	77.114	1899.76	216.370	49.518	166.852
2034	101070	11365.762	2582.178	8783.584	8.691	77.281	1864.51	209.673	47.635	162.037
2035	90820	8580.360	1908.790	6671.570	7.346	77.754	2072.23	195.777	43.553	152.225
2036	92117	8948.841	1971.907	6976.934	7.574	77.965	2101.31	204.135	44.982	159.153
2037	90327	8624.570	1895.704	6728.866	7.449	78.020	2058.21	196.522	43.196	153.326
2038	88590	8315.017	1800.586	6514.431	7.353	78.345	2014.42	189.073	40.943	148.130
2039	86921	8001.132	1722.126	6279.006	7.224	78.476	1970.05	181.344	39.032	142.313

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1489699	149918.462	83934.815	65983.65	4.429	44.013	431.236	43.398	24.297	19.101

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4521.675	33.891	0.104	0.744	508.609	71.032	70.504	0.528
1992	32100	4453.572	4365.394	88.179	0.275	1.980	492.014	68.262	66.911	1.352
1993	32896	4462.473	4296.324	166.149	0.505	3.723	495.226	67.179	64.678	2.501
1994	33323	4499.513	4238.299	261.215	0.784	5.805	492.290	66.473	62.614	3.859
1995	33569	4472.774	4103.315	369.459	1.101	8.260	486.422	64.812	59.458	5.354
1996	33870	4406.878	3918.001	488.877	1.443	11.094	483.150	62.863	55.890	6.974
1997	33516	4288.158	3678.210	609.948	1.820	14.224	470.307	60.173	51.614	8.559
1998	32795	4120.148	3400.121	720.028	2.196	17.476	452.620	56.864	46.927	9.937
1999	33375	3982.443	3152.580	829.862	2.486	20.838	453.361	54.097	42.824	11.273
2000	33459	4021.411	3049.079	972.332	2.906	24.179	447.853	53.827	40.812	13.015
2001	32275	3848.092	2779.877	1068.215	3.310	27.760	426.379	50.836	36.724	14.112
2002	31586	3783.081	2603.509	1179.572	3.734	31.180	412.601	49.418	34.009	15.408
2003	30985	3754.415	2452.658	1301.757	4.201	34.673	400.541	48.533	31.705	16.828
2004	29884	3666.274	2271.334	1394.940	4.668	38.048	382.149	46.883	29.045	17.838
2005	28708	3589.688	2106.331	1483.357	5.167	41.323	362.850	45.371	26.623	18.749
2006	28188	3596.985	1992.126	1604.859	5.693	44.617	353.021	45.048	24.949	20.099
2007	28026	3560.798	1865.540	1695.257	6.049	47.609	347.392	44.137	23.124	21.013
2008	27128	3417.001	1696.746	1720.255	6.341	50.344	332.495	41.881	20.796	21.084
2009	27068	3394.390	1599.869	1794.521	6.630	52.867	327.847	41.113	19.378	21.735
2010	26911	3340.137	1500.577	1839.560	6.836	55.074	321.990	39.965	17.954	22.010
2011	26959	3285.435	1405.418	1880.017	6.974	57.223	319.377	38.922	16.650	22.272
2012	27057	3259.209	1323.599	1935.611	7.154	59.389	317.068	38.193	15.511	22.683
2013	27904	3274.703	1267.224	2007.479	7.194	61.303	323.265	37.937	14.681	23.256
2014	28792	3298.083	1216.845	2081.238	7.229	63.104	329.657	37.762	13.932	23.829
2015	29560	3244.406	1149.423	2094.983	7.087	64.572	380.745	41.789	14.805	26.984
2016	30513	3314.836	1127.796	2187.040	7.168	65.977	389.347	42.297	14.391	27.907
2017	31416	3333.314	1088.388	2244.926	7.146	67.348	397.202	42.144	13.761	28.383
2018	29348	2925.242	921.821	2003.421	6.826	68.487	367.626	36.642	11.547	25.095
2019	29598	2864.628	874.188	1990.440	6.725	69.483	367.149	35.534	10.844	24.690
2020	29592	2730.366	809.022	1921.345	6.493	70.369	419.174	38.675	11.460	27.216
2021	30097	2647.911	759.718	1888.192	6.274	71.309	423.328	37.244	10.686	26.558
2022	30304	2586.165	718.436	1867.729	6.163	72.220	422.974	36.097	10.028	26.070
2023	30505	2517.960	680.555	1837.406	6.023	72.972	422.337	34.860	9.422	25.438
2024	30661	2454.161	647.829	1806.332	5.891	73.603	420.968	33.695	8.895	24.801
2025	30254	2275.364	586.968	1688.396	5.581	74.203	483.488	36.363	9.380	26.983
2026	30685	2183.166	552.550	1630.616	5.314	74.690	488.380	34.747	8.794	25.952
2027	30561	2112.345	525.707	1586.638	5.192	75.113	484.196	33.467	8.329	25.138
2028	30412	2046.677	500.372	1546.305	5.085	75.552	479.392	32.263	7.888	24.375
2029	30254	1977.671	476.432	1501.239	4.962	75.909	474.195	30.997	7.467	23.530
2030	29330	1744.457	413.789	1330.668	4.537	76.280	549.260	32.668	7.749	24.919
2031	28976	1653.738	387.232	1266.506	4.371	76.584	541.223	30.889	7.233	23.656
2032	28724	1603.120	367.725	1235.395	4.301	77.062	534.690	29.841	6.845	22.996
2033	28464	1548.245	350.619	1197.626	4.208	77.354	527.627	28.700	6.499	22.200
2034	28178	1511.985	337.939	1174.045	4.166	77.649	519.826	27.893	6.234	21.658
2035	26737	1239.866	274.048	965.818	3.612	77.897	610.065	28.290	6.253	22.037
2036	25591	1182.522	258.021	924.501	3.613	78.180	583.762	26.975	5.886	21.089
2037	25143	1134.483	248.360	886.123	3.524	78.108	572.916	25.851	5.659	20.192
2038	24693	1093.537	235.757	857.779	3.474	78.441	561.491	24.866	5.361	19.505
2039	24247	1047.905	224.304	823.601	3.397	78.595	549.553	23.751	5.084	18.667

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	745512.366	270094.2	12.095	26.594	646.447	293.996	215.810	78.186

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19196.673	18.963	0.056	0.099	531.576	299.618	299.322	0.296
1992	33942	19056.189	19007.247	48.942	0.144	0.257	520.248	292.085	291.335	0.750
1993	35913	20095.670	19995.866	99.804	0.278	0.497	540.645	302.526	301.024	1.502
1994	35074	19524.095	19372.270	151.824	0.433	0.778	518.158	288.435	286.192	2.243
1995	34669	19116.002	18898.032	217.970	0.629	1.140	502.362	276.995	273.837	3.158
1996	34582	18975.021	18677.217	297.804	0.861	1.569	493.306	270.675	266.427	4.248
1997	35267	19169.025	18774.042	394.982	1.120	2.061	494.878	268.986	263.443	5.543
1998	35675	19228.937	18718.112	510.826	1.432	2.657	492.368	265.388	258.338	7.050
1999	38516	20589.820	19920.150	669.670	1.739	3.252	523.195	279.689	270.592	9.097
2000	36283	19196.417	18442.055	754.363	2.079	3.930	485.652	256.946	246.849	10.097
2001	36281	19012.731	18098.676	914.056	2.519	4.808	479.301	251.174	239.098	12.075
2002	35983	18699.357	17632.061	1067.296	2.966	5.708	470.038	244.265	230.324	13.942
2003	36205	18663.550	17419.956	1243.593	3.435	6.663	468.019	241.262	225.186	16.076
2004	34611	17679.164	16299.880	1379.284	3.985	7.802	442.596	226.076	208.438	17.638
2005	36826	18692.832	17029.796	1663.036	4.516	8.897	465.456	236.265	215.245	21.020
2006	34350	17308.564	15544.475	1764.089	5.136	10.192	430.192	216.769	194.676	22.093
2007	35326	17683.181	15646.013	2037.168	5.767	11.520	437.879	219.189	193.938	25.251
2008	38248	19006.374	16581.957	2424.417	6.339	12.756	468.788	232.952	203.237	29.715
2009	36902	18205.573	15603.331	2602.242	7.052	14.294	446.956	220.505	188.987	31.518
2010	37234	18237.758	15389.731	2848.027	7.649	15.616	445.505	218.215	184.138	34.077
2011	38093	18487.916	15278.866	3209.050	8.424	17.358	451.279	219.022	181.005	38.017
2012	38504	18491.158	14980.131	3511.027	9.119	18.988	451.211	216.689	175.545	41.144
2013	40290	19143.452	15212.466	3930.986	9.757	20.534	466.755	221.775	176.235	45.540
2014	40339	18992.005	14772.071	4219.934	10.461	22.220	461.866	217.451	169.134	48.317
2015	42303	19728.885	15084.306	4644.579	10.979	23.542	544.880	254.116	194.292	59.824
2016	43104	19876.724	14880.827	4995.898	11.590	25.134	550.009	253.628	189.880	63.748
2017	44107	20119.790	14723.534	5396.257	12.234	26.821	557.659	254.381	186.154	68.227
2018	45469	20535.123	14688.196	5846.927	12.859	28.473	569.564	257.229	183.989	73.240
2019	46963	21009.029	14688.553	6320.476	13.458	30.085	582.552	260.605	182.203	78.402
2020	48419	21428.512	14648.708	6779.804	14.002	31.639	685.853	303.533	207.498	96.035
2021	48463	21266.697	14147.642	7119.056	14.690	33.475	681.652	299.127	198.994	100.133
2022	49915	21663.568	14029.351	7634.217	15.294	35.240	696.712	302.378	195.820	106.558
2023	51391	22084.131	13923.711	8160.420	15.879	36.952	711.491	305.748	192.769	112.978
2024	52811	22418.456	13791.485	8626.970	16.336	38.482	725.093	307.804	189.356	118.448
2025	53848	22614.834	13581.644	9033.190	16.775	39.944	860.553	361.411	217.050	144.361
2026	54342	22571.522	13181.520	9390.002	17.280	41.601	864.886	359.241	209.793	149.448
2027	55267	22774.416	12913.304	9861.112	17.843	43.299	875.619	360.827	204.592	156.235
2028	56149	22915.561	12600.115	10315.45	18.372	45.015	885.102	361.228	198.621	162.607
2029	57014	22992.027	12266.142	10725.89	18.813	46.650	893.616	360.371	192.256	168.115
2030	57238	22895.360	11889.447	11005.91	19.228	48.070	1071.90	428.760	222.653	206.107
2031	57592	22715.871	11495.275	11220.60	19.483	49.395	1075.71	424.293	214.712	209.581
2032	58251	22759.207	11155.651	11603.56	19.920	50.984	1084.31	423.652	207.657	215.995
2033	58885	22786.258	10862.053	11924.20	20.250	52.331	1091.54	422.387	201.349	221.038
2034	59460	22806.106	10544.260	12261.85	20.622	53.766	1096.89	420.721	194.518	226.203
2035	58516	22262.998	10081.958	12181.04	20.817	54.714	1335.15	507.973	230.039	277.934
2036	56446	21140.051	9195.558	11944.49	21.161	56.502	1287.60	482.234	209.763	272.470
2037	56568	21011.845	8814.270	12197.58	21.563	58.051	1288.98	478.783	200.845	277.938
2038	56668	20787.483	8441.286	12346.20	21.787	59.392	1288.55	472.681	191.944	280.737
2039	56758	20709.267	8130.058	12579.21	22.163	60.742	1286.40	469.372	184.266	285.106

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13262538	4509390.583	3340187.142	1169203	8.816	25.928	3813.88	1305.37	960.531	344.840

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123641.992	357.450	0.114	0.288	4883.81	1933.45	1927.88	5.574
1992	308579	122014.015	121064.435	949.580	0.308	0.778	4729.74	1870.18	1855.61	14.565
1993	311721	122810.618	121036.492	1774.126	0.569	1.445	4692.65	1848.83	1822.08	26.746
1994	305719	119925.592	117214.772	2710.820	0.887	2.260	4516.26	1771.69	1731.56	40.130
1995	303261	117896.496	114096.215	3800.281	1.253	3.223	4393.93	1708.35	1653.13	55.214
1996	299617	115698.645	110706.697	4991.948	1.666	4.315	4273.37	1650.42	1578.98	71.439
1997	294313	113359.847	107177.788	6182.058	2.101	5.453	4128.99	1590.70	1503.62	87.078
1998	289380	111444.212	104071.087	7373.125	2.548	6.616	3992.64	1538.10	1435.89	102.205
1999	311182	114877.722	105054.009	9823.713	3.157	8.551	4225.28	1560.48	1426.44	134.039
2000	304023	112379.704	101225.782	11153.92	3.669	9.925	4067.12	1504.22	1354.16	150.052
2001	296592	110024.943	97433.762	12591.18	4.245	11.444	3915.42	1453.52	1286.26	167.262
2002	292268	108289.173	94100.396	14188.78	4.855	13.103	3814.42	1414.56	1228.11	186.444
2003	286312	106539.023	90952.866	15586.16	5.444	14.630	3697.08	1377.22	1174.45	202.768
2004	274695	103037.251	86423.099	16614.15	6.048	16.124	3508.11	1317.61	1103.70	213.909
2005	272989	103044.562	84953.644	18090.92	6.627	17.556	3445.07	1302.41	1072.10	230.317
2006	264811	99672.555	80335.066	19337.49	7.302	19.401	3310.47	1248.28	1004.29	243.988
2007	259204	97839.152	77461.636	20377.52	7.862	20.828	3206.29	1212.75	958.181	254.571
2008	260364	98075.852	76387.762	21688.09	8.330	22.114	3183.67	1202.07	934.051	268.020
2009	254911	95617.338	73028.803	22588.53	8.861	23.624	3079.31	1158.11	882.182	275.932
2010	252997	94607.988	71015.211	23592.78	9.325	24.937	3018.18	1131.98	847.189	284.796
2011	253028	93633.119	68784.622	24848.50	9.820	26.538	2987.78	1109.25	812.216	297.033
2012	254034	92775.175	66700.541	26074.63	10.264	28.105	2966.23	1087.19	778.830	308.360
2013	257733	92345.780	65014.823	27330.96	10.604	29.596	2974.11	1069.82	750.237	319.579
2014	259115	91379.215	63011.534	28367.68	10.948	31.044	2954.10	1046.26	718.380	327.877
2015	261690	90750.242	61477.911	29272.33	11.186	32.256	3353.13	1168.90	787.739	381.162
2016	263542	88811.996	58599.827	30212.17	11.464	34.018	3343.91	1133.24	743.536	389.709
2017	265972	87325.126	56246.581	31078.55	11.685	35.589	3342.47	1104.08	706.851	397.228
2018	261129	87612.144	55904.520	31707.62	12.142	36.191	3249.85	1097.46	695.752	401.704
2019	264066	87797.760	55023.077	32774.68	12.412	37.330	3253.02	1089.08	677.828	411.254
2020	265139	87221.042	53873.108	33347.93	12.578	38.234	3724.58	1235.48	756.789	478.689
2021	258036	82001.292	48986.272	33015.02	12.795	40.262	3597.53	1153.39	682.965	470.424
2022	260270	81915.977	47901.595	34014.38	13.069	41.524	3599.14	1143.37	662.406	480.969
2023	262478	81810.810	46864.443	34946.37	13.314	42.716	3598.43	1132.64	642.485	490.160
2024	264348	81528.303	45812.015	35716.29	13.511	43.808	3592.20	1119.38	622.536	496.842
2025	261155	79599.213	44210.921	35388.29	13.551	44.458	4122.90	1272.09	697.965	574.122
2026	255483	75082.462	40287.574	34794.89	13.619	46.342	4014.46	1194.99	633.048	561.940
2027	255144	74444.425	39066.963	35377.46	13.866	47.522	3988.69	1179.46	610.736	568.724
2028	254643	73699.585	37769.515	35930.07	14.110	48.752	3958.48	1161.76	587.135	574.625
2029	254089	72819.703	36481.857	36337.85	14.301	49.901	3925.14	1141.36	563.568	577.788
2030	245245	69309.277	34460.790	34848.49	14.210	50.280	4516.01	1297.95	634.570	663.380
2031	240239	65433.368	31442.207	33991.16	14.149	51.948	4409.41	1222.18	577.098	645.083
2032	238994	64643.552	30308.143	34335.41	14.367	53.115	4368.81	1203.31	554.031	649.277
2033	237715	63793.514	29280.546	34512.97	14.519	54.101	4324.57	1182.54	532.678	649.858
2034	236295	63032.151	28290.438	34741.71	14.703	55.117	4275.36	1162.80	511.868	650.932
2035	221159	57653.301	25975.428	31677.87	14.324	54.945	4936.59	1315.47	579.808	735.662
2036	213454	52988.733	22740.072	30248.66	14.171	57.085	4760.08	1208.75	507.110	701.636
2037	210871	52026.921	21762.743	30264.18	14.352	58.170	4694.21	1185.50	484.463	701.040
2038	208318	50943.211	20784.182	30159.03	14.477	59.201	4624.70	1158.38	461.412	696.971
2039	205837	50085.991	19970.312	30115.68	14.631	60.128	4551.86	1135.19	441.622	693.569

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3089737	2244988.113	1876108.007	368880.1	11.939	16.431	888.510	649.875	539.509	110.367

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62877.538	40.864	0.052	0.065	1223.41	981.049	980.412	0.637
1992	77988	62366.766	62258.668	108.098	0.139	0.173	1195.35	955.930	954.267	1.662
1993	78544	62652.888	62441.587	211.301	0.269	0.337	1182.40	943.195	939.994	3.200
1994	77442	61565.227	61235.008	330.219	0.426	0.536	1144.02	909.520	904.599	4.922
1995	76913	60851.961	60374.235	477.726	0.621	0.785	1114.39	881.759	874.759	7.000
1996	76247	60122.922	59460.572	662.349	0.869	1.102	1087.50	857.643	848.071	9.572
1997	75496	59237.155	58379.368	857.787	1.136	1.448	1059.16	831.234	819.018	12.216
1998	75414	58906.696	57805.149	1101.547	1.461	1.870	1040.51	813.001	797.550	15.450
1999	73203	56930.073	55594.855	1335.217	1.824	2.345	993.965	773.329	754.877	18.452
2000	73844	57137.121	55502.747	1634.374	2.213	2.860	987.858	764.787	742.497	22.291
2001	73371	56481.726	54506.553	1975.173	2.692	3.497	968.593	746.169	719.560	26.609
2002	72538	55588.365	53262.760	2325.606	3.206	4.184	946.695	726.138	695.137	31.001
2003	72059	54945.856	52236.511	2709.345	3.760	4.931	930.477	710.281	674.519	35.762
2004	71441	54203.126	51067.704	3135.421	4.389	5.785	912.362	693.135	652.182	40.952
2005	71129	53744.603	50180.314	3564.289	5.011	6.632	897.627	679.296	633.265	46.031
2006	69847	52535.572	48522.184	4013.387	5.746	7.639	873.176	657.945	606.589	51.355
2007	68780	51492.124	47041.691	4450.433	6.471	8.643	850.794	638.264	581.894	56.370
2008	68471	51030.736	46056.851	4973.885	7.264	9.747	837.244	625.460	563.172	62.288
2009	67784	50276.199	44779.715	5496.483	8.109	10.933	818.824	608.943	540.935	68.008
2010	67504	49840.933	43827.550	6013.383	8.908	12.065	805.298	596.347	522.849	73.498
2011	66846	49072.841	42489.694	6583.147	9.848	13.415	789.325	581.354	501.723	79.631
2012	66529	48539.512	41348.236	7191.276	10.809	14.815	776.832	568.812	482.803	86.009
2013	65741	47675.741	39954.095	7721.645	11.746	16.196	758.618	552.318	461.049	91.269
2014	65480	47194.534	38918.718	8275.815	12.639	17.536	746.524	540.359	443.703	96.656
2015	64628	46305.842	37566.191	8739.651	13.523	18.874	728.096	526.439	421.349	115.089
2016	62123	44208.867	35226.401	8982.465	14.459	20.318	708.234	514.107	406.966	128.241
2017	60429	42702.624	33406.383	9296.240	15.384	21.770	691.412	503.903	419.818	120.085
2018	63066	44321.202	33928.020	10393.18	16.480	23.450	674.876	500.181	422.246	132.934
2019	63694	44493.088	33381.678	11111.41	17.445	24.973	661.646	500.181	411.228	140.684
2020	64169	44529.551	32750.582	11778.97	18.356	26.452	651.425	500.181	400.068	150.689
2021	57791	39852.556	28668.126	11184.43	19.353	28.065	641.719	500.181	399.690	160.856
2022	58166	39853.685	28000.402	11853.28	20.378	29.742	632.343	500.181	387.203	169.071
2023	58513	39847.050	27347.878	12499.17	21.361	31.368	623.177	500.181	374.924	176.746
2024	58766	39726.010	26661.801	13064.21	22.231	32.886	614.572	500.181	362.305	183.130
2025	58394	39207.348	25778.725	13428.62	22.997	34.250	605.872	500.181	350.973	190.606
2026	52253	34803.960	22343.180	12460.78	23.847	35.803	597.059	500.181	340.084	200.845
2027	52036	34484.595	21583.285	12901.31	24.793	37.412	588.480	500.181	330.413	208.944
2028	51773	34100.638	20796.745	13303.89	25.697	39.014	579.823	500.181	321.290	214.254
2029	51482	33669.838	20020.079	13649.76	26.514	40.540	571.288	500.181	312.268	218.464
2030	50083	32557.688	18979.923	13577.77	27.111	41.704	562.240	500.181	303.501	220.204
2031	44486	28646.393	16322.725	12323.67	27.703	43.020	553.499	500.181	294.591	235.474
2032	44093	28227.160	15673.925	12553.24	28.470	44.472	544.723	500.181	285.518	238.917
2033	43686	27786.623	15086.447	12700.18	29.072	45.706	536.073	500.181	276.456	240.623
2034	43244	27348.299	14512.782	12835.52	29.681	46.934	527.434	500.181	267.385	241.929
2035	40739	25570.077	13403.508	12166.57	29.864	47.581	518.783	500.181	258.315	244.245
2036	34894	21717.319	11021.067	10696.25	30.653	49.252	510.147	500.181	249.402	249.629
2037	34332	21256.024	10513.200	10742.82	31.291	50.540	501.268	500.181	240.335	250.311
2038	33775	20747.175	10018.661	10728.51	31.765	51.711	492.803	500.181	231.264	249.348
2039	33229	20327.688	9608.252	10719.44	32.259	52.733	484.827	500.181	222.193	248.248

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6410242	1098877.421	628375.665	470501.8	7.340	42.817	1843.38	318.101	180.701	137.400

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	37046.106	263.731	0.157	0.707	2620.21	581.750	577.638	4.112
1992	164549	36137.488	35432.951	704.537	0.428	1.950	2522.12	553.899	543.097	10.802
1993	164366	35599.588	34302.070	1297.517	0.789	3.645	2474.37	535.926	516.383	19.544
1994	159876	34336.757	32367.704	1969.053	1.232	5.735	2361.78	507.267	478.154	29.112
1995	158102	33455.759	30717.946	2737.813	1.732	8.183	2290.72	484.782	445.071	39.711
1996	154905	32193.824	28646.565	3547.260	2.290	11.018	2209.37	459.239	408.579	50.660
1997	150014	30665.509	26339.601	4325.908	2.884	14.107	2104.58	430.308	369.525	60.784
1998	145468	29188.430	24138.463	5049.968	3.472	17.301	2007.05	402.844	333.044	69.800
1999	166048	33375.386	26373.190	7002.196	4.217	20.980	2254.62	453.366	358.100	95.266
2000	160385	32024.754	24215.236	7809.518	4.869	24.386	2145.57	428.655	323.943	104.712
2001	154599	30682.393	22027.764	8654.629	5.598	28.207	2040.91	405.339	290.796	114.543
2002	152078	30218.370	20576.529	9641.840	6.340	31.907	1984.79	394.736	268.546	126.190
2003	146961	29175.202	18812.667	10362.54	7.051	35.518	1897.67	377.146	242.924	134.222
2004	138640	27488.687	16749.060	10739.63	7.746	39.069	1770.56	351.518	213.901	137.617
2005	136183	27017.439	15594.157	11423.28	8.388	42.281	1718.59	341.482	196.795	144.687
2006	132264	26231.435	14230.054	12001.38	9.074	45.752	1653.47	328.517	177.894	150.623
2007	126882	25103.049	12854.843	12248.21	9.653	48.792	1569.50	311.161	159.011	152.150
2008	126292	24621.740	11988.086	12633.65	10.004	51.311	1544.27	301.777	146.587	155.190
2009	122906	23741.177	10977.103	12764.07	10.385	53.763	1484.70	287.552	132.603	154.950
2010	121065	23189.160	10221.157	12968.00	10.712	55.923	1444.26	277.458	121.935	155.523
2011	120807	22786.927	9526.438	13260.49	10.977	58.193	1426.50	269.951	112.489	157.462
2012	121582	22485.295	8957.100	13528.19	11.127	60.165	1419.65	263.495	104.588	158.907
2013	123382	22251.884	8478.487	13773.40	11.163	61.898	1423.76	257.786	97.837	159.948
2014	124039	21894.593	7994.335	13900.26	11.206	63.487	1414.14	250.685	91.142	159.543
2015	124667	21471.109	7555.716	13915.39	11.162	64.810	1597.41	276.557	96.814	179.743
2016	127209	21411.568	7233.381	14178.19	11.146	66.217	1614.07	273.213	91.780	181.433
2017	129358	21169.399	6887.231	14282.17	11.041	67.466	1625.65	267.651	86.552	181.100
2018	122535	19830.576	6215.743	13614.83	11.111	68.656	1524.99	248.404	77.357	171.047
2019	123026	19431.014	5916.553	13514.46	10.985	69.551	1515.55	241.031	72.886	168.145
2020	122095	18532.612	5491.172	13041.44	10.681	70.370	1715.14	262.513	77.138	185.375
2021	120752	18234.128	5231.160	13002.97	10.768	71.311	1683.53	256.472	72.933	183.539
2022	120870	17812.559	4963.941	12848.62	10.630	72.132	1671.44	248.626	68.644	179.982
2023	120966	17361.668	4712.726	12648.94	10.457	72.856	1658.38	240.367	64.609	175.758
2024	120916	16929.676	4501.344	12428.33	10.279	73.412	1643.11	232.443	61.168	171.275
2025	117375	15501.666	4044.680	11456.99	9.761	73.908	1853.02	247.735	63.854	183.880
2026	116826	15523.814	3984.986	11538.83	9.877	74.330	1835.72	247.072	62.617	184.455
2027	115816	15073.070	3812.088	11260.98	9.723	74.709	1810.55	238.810	59.595	179.216
2028	114754	14636.710	3633.315	11003.39	9.589	75.177	1783.88	230.725	56.481	174.244
2029	113690	14180.166	3474.806	10705.36	9.416	75.495	1756.28	222.256	53.678	168.578
2030	106859	12111.772	2927.981	9183.791	8.594	75.825	1967.73	226.816	53.917	172.900
2031	107369	12417.367	2984.573	9432.794	8.785	75.965	1970.68	231.935	54.780	177.155
2032	106019	12054.064	2855.051	9199.013	8.677	76.315	1938.01	224.381	52.190	172.190
2033	104682	11672.389	2721.427	8950.962	8.551	76.685	1904.40	216.370	49.509	166.862
2034	103322	11365.762	2632.230	8733.531	8.453	76.841	1869.43	209.673	47.626	162.047
2035	93017	8580.360	1951.708	6628.652	7.126	77.254	2076.27	195.777	43.565	152.212
2036	94387	8948.841	2016.444	6932.397	7.345	77.467	2104.85	204.135	44.967	159.168
2037	92625	8624.570	1939.812	6684.758	7.217	77.508	2061.94	196.522	43.182	153.340
2038	90915	8315.017	1843.757	6471.260	7.118	77.826	2018.33	189.073	40.932	148.141
2039	89272	8001.132	1764.497	6236.635	6.986	77.947	1974.15	181.344	39.020	142.324

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1503332	149918.462	84200.730	65717.73	4.371	43.836	432.310	43.398	24.213	19.185

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4521.675	33.891	0.104	0.744	508.609	71.032	70.504	0.528
1992	32100	4453.572	4365.428	88.144	0.275	1.979	492.015	68.262	66.911	1.351
1993	32897	4462.473	4296.446	166.027	0.505	3.721	495.228	67.179	64.679	2.501
1994	33325	4499.513	4238.581	260.932	0.783	5.799	492.296	66.473	62.615	3.858
1995	33573	4472.774	4103.827	368.947	1.099	8.249	486.434	64.812	59.460	5.351
1996	33876	4406.878	3918.807	488.071	1.441	11.075	483.169	62.863	55.893	6.970
1997	33525	4288.158	3679.361	608.797	1.816	14.197	470.336	60.173	51.619	8.554
1998	32808	4120.148	3401.637	718.511	2.190	17.439	452.662	56.864	46.933	9.931
1999	33393	3982.443	3154.485	827.958	2.479	20.790	453.421	54.097	42.832	11.265
2000	33484	4021.411	3051.567	969.844	2.896	24.117	447.937	53.827	40.823	13.004
2001	32306	3848.092	2782.786	1065.306	3.298	27.684	426.483	50.836	36.737	14.100
2002	31624	3783.081	2606.932	1176.149	3.719	31.090	412.733	49.418	34.023	15.394
2003	31031	3754.415	2456.562	1297.853	4.182	34.569	400.700	48.533	31.721	16.812
2004	29938	3666.274	2275.672	1390.602	4.645	37.930	382.339	46.883	29.062	17.821
2005	28770	3589.688	2111.057	1478.631	5.139	41.191	363.071	45.371	26.641	18.730
2006	28259	3596.985	1997.297	1599.687	5.661	44.473	353.280	45.048	24.969	20.079
2007	28108	3560.798	1871.080	1689.718	6.011	47.453	347.693	44.137	23.145	20.993
2008	27219	3417.001	1702.453	1714.549	6.299	50.177	332.831	41.881	20.817	21.063
2009	27172	3394.390	1605.915	1788.475	6.582	52.689	328.230	41.113	19.399	21.713
2010	27027	3340.137	1506.902	1833.236	6.783	54.885	322.423	39.965	17.977	21.988
2011	27089	3285.435	1412.008	1873.427	6.916	57.022	319.871	38.922	16.673	22.249
2012	27202	3259.209	1330.370	1928.840	7.091	59.181	317.623	38.193	15.534	22.659
2013	28070	3274.703	1274.342	2000.360	7.126	61.085	323.909	37.937	14.705	23.232
2014	28980	3298.083	1224.239	2073.844	7.156	62.880	330.390	37.762	13.957	23.805
2015	29773	3244.406	1157.123	2087.283	7.011	64.335	381.490	41.789	14.827	26.963
2016	30752	3314.836	1135.916	2178.921	7.086	65.732	390.188	42.297	14.413	27.885
2017	31683	3333.314	1096.816	2236.497	7.059	67.095	398.157	42.144	13.784	28.360
2018	29620	2925.242	929.623	1995.619	6.737	68.221	368.637	36.642	11.569	25.073
2019	29894	2864.628	882.074	1982.553	6.632	69.208	368.263	35.534	10.866	24.668
2020	29913	2730.366	816.974	1913.392	6.397	70.078	420.206	38.675	11.477	27.199
2021	30447	2647.911	767.648	1880.263	6.175	71.009	424.496	37.244	10.703	26.542
2022	30679	2586.165	726.342	1859.823	6.062	71.914	424.250	36.097	10.044	26.053
2023	30908	2517.960	688.448	1829.512	5.919	72.658	423.728	34.860	9.438	25.422
2024	31090	2454.161	655.725	1798.436	5.785	73.281	422.480	33.695	8.911	24.785
2025	30709	2275.364	594.789	1680.575	5.473	73.860	484.802	36.363	9.390	26.973
2026	31174	2183.166	560.269	1622.897	5.206	74.337	489.850	34.747	8.804	25.943
2027	31074	2112.345	533.374	1578.970	5.081	74.750	485.786	33.467	8.338	25.129
2028	30949	2046.677	507.997	1538.680	4.972	75.179	481.108	32.263	7.897	24.366
2029	30816	1977.671	483.970	1493.701	4.847	75.528	476.043	30.997	7.476	23.521
2030	29911	1744.457	420.995	1323.461	4.425	75.867	550.797	32.668	7.752	24.916
2031	29578	1653.738	394.186	1259.552	4.258	76.164	542.877	30.889	7.235	23.654
2032	29348	1603.120	374.539	1228.582	4.186	76.637	536.471	29.841	6.847	22.995
2033	29108	1548.245	357.350	1190.894	4.091	76.919	529.537	28.700	6.501	22.199
2034	28843	1511.985	344.644	1167.341	4.047	77.206	521.867	27.893	6.236	21.657
2035	27408	1239.866	280.110	959.756	3.502	77.408	611.777	28.290	6.252	22.037
2036	26256	1182.522	263.861	918.661	3.499	77.687	585.505	26.975	5.884	21.091
2037	25819	1134.483	254.148	880.335	3.410	77.598	574.754	25.851	5.658	20.193
2038	25379	1093.537	241.406	852.131	3.358	77.924	563.426	24.866	5.359	19.506
2039	24943	1047.905	229.808	818.097	3.280	78.070	551.582	23.751	5.082	18.669

Results for PHIM for Run 7 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2259228	1015606.587	751502.739	264103.8	11.690	26.005	649.682	293.996	216.108	77.888

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19196.673	18.963	0.056	0.099	531.576	299.618	299.322	0.296
1992	33942	19056.189	19007.388	48.801	0.144	0.256	520.249	292.085	291.335	0.750
1993	35914	20095.670	19996.389	99.280	0.276	0.494	540.648	302.526	301.025	1.501
1994	35076	19524.095	19373.478	150.617	0.429	0.771	518.165	288.435	286.196	2.239
1995	34673	19116.002	18900.207	215.795	0.622	1.129	502.374	276.995	273.844	3.151
1996	34589	18975.021	18680.753	294.268	0.851	1.551	493.327	270.675	266.439	4.236
1997	35277	19169.025	18779.458	389.566	1.104	2.032	494.911	268.986	263.462	5.524
1998	35690	19228.937	18725.839	503.099	1.410	2.616	492.417	265.388	258.364	7.024
1999	38538	20589.820	19931.478	658.342	1.708	3.197	523.273	279.689	270.633	9.056
2000	36311	19196.417	18456.231	740.186	2.038	3.856	485.752	256.946	246.901	10.045
2001	36317	19012.731	18116.659	896.072	2.467	4.713	479.430	251.174	239.164	12.009
2002	36028	18699.357	17654.175	1045.182	2.901	5.589	470.202	244.265	230.406	13.859
2003	36261	18663.550	17447.126	1216.423	3.355	6.518	468.230	241.262	225.291	15.971
2004	34676	17679.164	16330.661	1348.502	3.889	7.628	442.842	226.076	208.558	17.519
2005	36908	18692.832	17068.116	1624.716	4.402	8.692	465.773	236.265	215.396	20.869
2006	34440	17308.564	15585.530	1723.033	5.003	9.955	430.545	216.769	194.839	21.930
2007	35434	17683.181	15694.023	1989.158	5.614	11.249	438.307	219.189	194.131	25.058
2008	38382	19006.374	16640.373	2366.001	6.164	12.448	469.327	232.952	203.474	29.478
2009	37050	18205.573	15666.070	2539.503	6.854	13.949	447.557	220.505	189.245	31.260
2010	37402	18237.758	15459.602	2778.156	7.428	15.233	446.195	218.215	184.428	33.787
2011	38285	18487.916	15356.483	3131.433	8.179	16.938	452.078	219.022	181.331	37.691
2012	38720	18491.158	15064.835	3426.324	8.849	18.530	452.118	216.689	175.905	40.785
2013	40541	19143.452	15307.898	3835.554	9.461	20.036	467.821	221.775	176.645	45.130
2014	40616	18992.005	14874.241	4117.764	10.138	21.682	463.050	217.451	169.578	47.873
2015	42622	19728.885	15198.882	4530.003	10.628	22.961	546.136	254.116	194.749	59.368
2016	43458	19876.724	15004.129	4872.595	11.212	24.514	551.417	253.628	190.378	63.250
2017	44501	20119.790	14856.150	5263.641	11.828	26.162	559.250	254.381	186.697	67.684
2018	45908	20535.123	14831.134	5703.989	12.425	27.777	571.344	257.229	184.579	72.650
2019	47452	21009.029	14842.771	6166.258	12.995	29.351	584.558	260.605	182.848	77.757
2020	48962	21428.512	14814.380	6614.132	13.509	30.866	687.802	303.533	208.107	95.426
2021	49046	21266.697	14319.337	6947.360	14.165	32.668	683.793	299.127	199.640	99.487
2022	50555	21663.568	14210.910	7452.658	14.742	34.402	699.098	302.378	196.515	105.863
2023	52091	22084.131	14115.390	7968.741	15.298	36.084	714.144	305.748	193.514	112.234
2024	53576	22418.456	13993.146	8425.309	15.726	37.582	728.035	307.804	190.152	117.652
2025	54678	22614.834	13792.727	8822.107	16.135	39.010	863.208	361.411	217.748	143.663
2026	55230	22571.522	13399.140	9172.382	16.608	40.637	867.835	359.241	210.544	148.697
2027	56219	22774.416	13138.216	9636.199	17.141	42.312	878.868	360.827	205.391	155.436
2028	57167	22915.561	12831.458	10084.10	17.640	44.005	888.672	361.228	199.468	161.761
2029	58100	22992.027	12503.001	10489.03	18.053	45.620	897.529	360.371	193.145	167.226
2030	58392	22895.360	12131.891	10763.47	18.433	47.012	1075.25	428.760	223.400	205.360
2031	58807	22715.871	11740.723	10975.15	18.663	48.315	1079.36	424.293	215.492	208.801
2032	59535	22759.207	11404.628	11354.58	19.072	49.890	1088.30	423.652	208.476	215.176
2033	60240	22786.258	11115.322	11670.94	19.374	51.219	1095.89	422.387	202.212	220.175
2034	60886	22806.106	10800.782	12005.32	19.718	52.641	1101.63	420.721	195.422	225.299
2035	59995	22262.998	10340.102	11922.90	19.873	53.555	1339.18	507.973	230.806	277.167
2036	57918	21140.051	9438.700	11701.35	20.203	55.352	1291.58	482.234	210.486	271.748
2037	58095	21011.845	9055.583	11956.26	20.581	56.902	1293.25	478.783	201.587	277.196
2038	58249	20787.483	8680.358	12107.13	20.785	58.242	1293.13	472.681	192.705	279.975
2039	58393	20709.267	8367.756	12341.51	21.135	59.594	1291.30	469.372	185.044	284.328

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Control File Details for Run: 8

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.2
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_1
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 8, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 8, Scenario: Ecig

Variable Parameter

Value

- 1. Country
 - 2. Sex
 - 3. Assumption Set
- Note:

US (United States)
 F (Females)
 ISS3
 Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 8, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 8, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			F (Females)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	10659	11.63	0	0.00			
5	All Ages	Ecig	11697	12.76					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18396	20.07			14.19	1129	6.14
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	233	7.34	0	0.00			
5	18-19	Ecig	427	13.44					
5	18-19	Dual	0	0.00					
5	18-19	Former	82	2.58			1.15	52	63.41
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	862	10.32	0	0.00			
5	20-24	Ecig	1250	14.97					
5	20-24	Dual	0	0.00					
5	20-24	Former	444	5.32			3.23	106	23.87
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1395	15.86					
5	25-29	Dual	0	0.00					
5	25-29	Former	1023	11.63			5.94	54	5.28
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

5	30-34	Never Any	5304	52.63					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1802	17.88					
5	30-34	Dual	0	0.00					
5	30-34	Former	1599	15.87			8.16	67	4.19
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1746	16.63					
5	35-39	Dual	0	0.00					
5	35-39	Former	2065	19.67			8.75	62	3.00
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1356	14.13					
5	40-44	Dual	0	0.00					
5	40-44	Former	2091	21.78			12.09	81	3.87
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1161	13.66					
5	45-49	Dual	0	0.00					
5	45-49	Former	2006	23.61			10.93	133	6.63
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	826	12.64					
5	50-54	Dual	0	0.00					
5	50-54	Former	1855	28.38			14.92	140	7.55
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	627	11.33					
5	55-59	Dual	0	0.00					
5	55-59	Former	1501	27.12			15.84	93	6.20
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	444	8.43					
5	60-64	Dual	0	0.00					
5	60-64	Former	1455	27.64			19.22	87	5.98
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	374	6.77					
5	65-69	Dual	0	0.00					
5	65-69	Former	1470	26.61			19.34	107	7.28
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	188	3.55					
5	70-74	Dual	0	0.00					
5	70-74	Former	1496	28.21			22.32	77	5.15
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	101	2.25					
5	75-79	Dual	0	0.00					
5	75-79	Former	1309	29.19			25.87	70	5.35
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	4595	5.00	0	0.00			
10	All Ages	Ecig	15644	17.02					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21246	23.12			15.11	1717	8.08
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	370	4.67	0	0.00			
10	20-24	Ecig	1780	22.45					
10	20-24	Dual	0	0.00					
10	20-24	Former	652	8.22			3.55	169	25.92
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	400	4.79	0	0.00			
10	25-29	Ecig	1690	20.24					
10	25-29	Dual	0	0.00					
10	25-29	Former	767	9.19			5.59	126	16.43
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1908	21.70					
10	30-34	Dual	0	0.00					
10	30-34	Former	1254	14.26			9.28	91	7.26
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2413	23.94					
10	35-39	Dual	0	0.00					
10	35-39	Former	1820	18.06			11.77	105	5.77
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2292	21.83					
10	40-44	Dual	0	0.00					
10	40-44	Former	2345	22.34			12.30	143	6.10
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1673	17.43					
10	45-49	Dual	0	0.00					
10	45-49	Former	2463	25.66			14.76	181	7.35
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1299	15.29					
10	50-54	Dual	0	0.00					
10	50-54	Former	2464	29.00			13.32	188	7.63
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	912	13.95					
10	55-59	Dual	0	0.00					

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2225	34.04			16.92	157	7.06
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		663	11.98					
10	60-64	Dual		0	0.00					
10	60-64	Former		1853	33.48			17.23	149	8.04
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		443	8.42					
10	65-69	Dual		0	0.00					
10	65-69	Former		1809	34.37			19.85	146	8.07
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		368	6.66					
10	70-74	Dual		0	0.00					
10	70-74	Former		1804	32.66			20.18	154	8.54
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		203	3.83					
10	75-79	Dual		0	0.00					
10	75-79	Former		1790	33.75			23.17	108	6.03
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		1890	2.18	0	0.00			
15	All Ages	Ecig		15617	18.03					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		22096	25.51			17.32	941	4.26
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		166	2.09	0	0.00			
15	25-29	Ecig		1941	24.48					
15	25-29	Dual		0	0.00					
15	25-29	Former		963	12.14			6.57	96	9.97
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		149	1.78	0	0.00			
15	30-34	Ecig		1822	21.82					
15	30-34	Dual		0	0.00					
15	30-34	Former		972	11.64			8.77	80	8.23
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	2002	22.77					
15	35-39	Dual	0	0.00					
15	35-39	Former	1435	16.32			12.75	66	4.60
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2500	24.81					
15	40-44	Dual	0	0.00					
15	40-44	Former	2056	20.40			15.08	101	4.91
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2318	22.08					
15	45-49	Dual	0	0.00					
15	45-49	Former	2666	25.39			15.45	135	5.06
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1622	16.90					
15	50-54	Dual	0	0.00					
15	50-54	Former	2769	28.84			17.84	99	3.58
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1281	15.08					
15	55-59	Dual	0	0.00					
15	55-59	Former	2694	31.71			16.95	78	2.90
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	852	13.04					
15	60-64	Dual	0	0.00					
15	60-64	Former	2437	37.29			20.18	93	3.82
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	591	10.68					
15	65-69	Dual	0	0.00					
15	65-69	Former	2099	37.93			19.92	68	3.24
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	391	7.43					
15	70-74	Dual	0	0.00					
15	70-74	Former	2002	38.03			22.67	69	3.45
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	297	5.38					
15	75-79	Dual	0	0.00					
15	75-79	Former	2003	36.26			22.91	56	2.80
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	765	0.94	0	0.00			
20	All Ages	Ecig	13785	17.00					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22772	28.09			19.42	1117	4.91
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	65	0.82	0	0.00			
20	30-34	Ecig	1881	23.72					
20	30-34	Dual	0	0.00					
20	30-34	Former	1241	15.65			9.36	130	10.48
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	58	0.69	0	0.00			
20	35-39	Ecig	1717	20.56					
20	35-39	Dual	0	0.00					
20	35-39	Former	1216	14.56			11.38	98	8.06
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	1849	21.03					
20	40-44	Dual	0	0.00					
20	40-44	Former	1691	19.23			15.34	112	6.62
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2327	23.09					
20	45-49	Dual	0	0.00					
20	45-49	Former	2362	23.44			17.71	131	5.55
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	2101	20.01					
20	50-54	Dual	0	0.00					
20	50-54	Former	3019	28.76			18.27	163	5.40
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1433	14.93					
20	55-59	Dual	0	0.00					
20	55-59	Former	3058	31.85			20.88	103	3.37
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	1079	12.70					
20	60-64	Dual	0	0.00					
20	60-64	Former	2991	35.20			19.94	144	4.81
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	645	9.87					
20	65-69	Dual	0	0.00					
20	65-69	Former	2728	41.74			22.72	95	3.48
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	477	8.62					
20	70-74	Dual	0	0.00					
20	70-74	Former	2285	41.29			23.05	69	3.02
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	276	5.24					
20	75-79	Dual	0	0.00					
20	75-79	Former	2181	41.43			25.56	72	3.30
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	340	0.45	0	0.00			
25	All Ages	Ecig	11438	15.09					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	23029	30.37			21.48	914	3.97
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	20	0.25	0	0.00			
25	35-39	Ecig	1567	19.76					
25	35-39	Dual	0	0.00					
25	35-39	Former	1617	20.39			11.52	129	7.98
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	33	0.40	0	0.00			
25	40-44	Ecig	1502	17.99					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1456	17.44			14.00	103	7.07
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5189	59.01					
25	45-49	CC	32	0.36	0	0.00			
25	45-49	Ecig	1627	18.50					
25	45-49	Dual	0	0.00					
25	45-49	Former	1945	22.12			17.95	96	4.94
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5284	52.43					
25	50-54	CC	45	0.45	0	0.00			
25	50-54	Ecig	2059	20.43					
25	50-54	Dual	0	0.00					
25	50-54	Former	2690	26.69			20.17	150	5.58
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5278	50.27					
25	55-59	CC	37	0.35	0	0.00			
25	55-59	Ecig	1773	16.89					
25	55-59	Dual	0	0.00					
25	55-59	Former	3411	32.49			20.84	140	4.10
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	42	0.44	0	0.00			
25	60-64	Ecig	1154	12.02					
25	60-64	Dual	0	0.00					
25	60-64	Former	3386	35.27			23.56	144	4.25
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	41	0.48	0	0.00			
25	65-69	Ecig	844	9.93					
25	65-69	Dual	0	0.00					
25	65-69	Former	3256	38.32			23.12	70	2.15
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	31	0.47	0	0.00			
25	70-74	Ecig	527	8.06					
25	70-74	Dual	0	0.00					
25	70-74	Former	2862	43.79			26.54	42	1.47
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	59	1.07	0	0.00			
25	75-79	Ecig	385	6.96					
25	75-79	Dual	0	0.00					
25	75-79	Former	2406	43.48			26.76	40	1.66
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38326	54.53					
30	All Ages	CC	115	0.16	0	0.00			
30	All Ages	Ecig	9272	13.19					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	22570	32.11			23.81	756	3.35
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	1345	16.96					
30	40-44	Dual	0	0.00					
30	40-44	Former	1853	23.37			14.68	82	4.43
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	1317	15.77					
30	45-49	Dual	0	0.00					
30	45-49	Former	1661	19.89			16.93	71	4.27
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1395	15.86					
30	50-54	Dual	0	0.00					
30	50-54	Former	2200	25.02			20.50	121	5.50
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	1708	16.95					
30	55-59	Dual	0	0.00					
30	55-59	Former	3072	30.48			22.30	140	4.56
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	1428	13.60					
30	60-64	Dual	0	0.00					
30	60-64	Former	3778	35.98			23.52	153	4.05
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	917	9.55					
30	65-69	Dual	0	0.00					
30	65-69	Former	3647	37.99			26.68	75	2.06
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	727	8.56					
30	70-74	Dual	0	0.00					
30	70-74	Former	3392	39.92			27.06	66	1.95
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	435	6.66					
30	75-79	Dual	0	0.00					
30	75-79	Former	2967	45.39			30.49	48	1.62
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	7305	11.46					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	21185	33.23			25.87	616	2.91
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	1146	14.45					
35	45-49	Dual	0	0.00					
35	45-49	Former	2057	25.94			17.95	74	3.60
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	1112	13.32					
35	50-54	Dual	0	0.00					
35	50-54	Former	1876	22.47			19.62	104	5.54
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	1153	13.11					
35	55-59	Dual	0	0.00					
35	55-59	Former	2447	27.83			23.13	98	4.00
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	1378	13.67					
35	60-64	Dual	0	0.00					
35	60-64	Former	3409	33.83			24.79	139	4.08
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	1139	10.85					
35	65-69	Dual	0	0.00					
35	65-69	Former	4075	38.81			26.61	83	2.04
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	789	8.22					
35	70-74	Dual	0	0.00					
35	70-74	Former	3782	39.40			30.61	65	1.72
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	588	6.92					
35	75-79	Dual	0	0.00					
35	75-79	Former	3539	41.65			30.81	53	1.50
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	5391	9.76					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	18991	34.37			27.90	543	2.86
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4726	59.60					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		959	12.09					
40	50-54	Dual		0	0.00					
40	50-54	Former		2245	28.31			21.16	100	4.45
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		5359	64.18					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		897	10.74					
40	55-59	Dual		0	0.00					
40	55-59	Former		2094	25.08			22.27	80	3.82
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5189	59.01					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		886	10.08					
40	60-64	Dual		0	0.00					
40	60-64	Former		2715	30.88			25.52	128	4.71
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		5284	52.43					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		1080	10.72					
40	65-69	Dual		0	0.00					
40	65-69	Former		3711	36.82			27.57	73	1.97
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		5278	50.27					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		957	9.12					
40	70-74	Dual		0	0.00					
40	70-74	Former		4260	40.58			30.32	86	2.02
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

40	75-79	Ecig	612	6.38					
40	75-79	Dual	0	0.00					
40	75-79	Former	3966	41.31			34.05	76	1.92
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	3886	8.51					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	15923	34.88			29.63	351	2.20
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

45	55-59	Never Any	4726	59.60					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	792	9.99					
45	55-59	Dual	0	0.00					
45	55-59	Former	2412	30.42			24.49	64	2.65
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	719	8.61					
45	60-64	Dual	0	0.00					
45	60-64	Former	2272	27.21			25.28	77	3.39
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	694	7.89					
45	65-69	Dual	0	0.00					
45	65-69	Former	2907	33.06			28.66	55	1.89
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	934	9.27					
45	70-74	Dual	0	0.00					
45	70-74	Former	3859	38.29			31.38	76	1.97
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	747	7.11					
45	75-79	Dual	0	0.00					
45	75-79	Former	4473	42.60			33.73	79	1.77
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	2497	7.10					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12092	34.40			31.39	238	1.97
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	613	7.73					
50	60-64	Dual	0	0.00					
50	60-64	Former	2591	32.67			27.58	77	2.97
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	578	6.92					
50	65-69	Dual	0	0.00					
50	65-69	Former	2413	28.90			28.67	34	1.41
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	583	6.63					
50	70-74	Dual	0	0.00					
50	70-74	Former	3018	34.32			32.48	56	1.86
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	723	7.17					
50	75-79	Dual	0	0.00					
50	75-79	Former	4070	40.38			34.61	71	1.74

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	9082078	2946250.006	2170073.493	776176.5	8.546	26.345	2493.45	808.881	595.785	213.096

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	0.000
1991	199162	59078.486	58936.164	142.321	0.071	0.241	2877.87	853.678	2.057
1992	198532	60494.150	60097.977	396.173	0.200	0.655	2829.84	862.271	5.647
1993	202512	62694.848	61925.353	769.495	0.380	1.227	2845.85	881.034	10.814
1994	200658	63202.598	61990.375	1212.223	0.604	1.918	2777.87	874.966	16.782
1995	201023	63766.862	62018.047	1748.815	0.870	2.743	2739.80	869.097	23.835
1996	201180	64591.163	62201.585	2389.577	1.188	3.700	2706.36	868.908	32.146
1997	198639	64686.912	61703.324	2983.588	1.502	4.612	2635.18	858.147	39.581
1998	197573	65295.961	61623.631	3672.331	1.859	5.624	2584.18	854.046	48.033
1999	211329	67327.521	62600.793	4726.728	2.237	7.020	2726.91	868.771	60.992
2000	208496	67596.897	62096.309	5500.587	2.638	8.137	2656.96	861.419	70.097
2001	203606	67008.811	60699.929	6308.882	3.099	9.415	2565.88	844.458	79.506
2002	200828	67067.744	59854.945	7212.799	3.592	10.754	2506.09	836.925	90.007
2003	196352	66756.217	58733.249	8022.968	4.086	12.018	2427.31	825.244	99.180
2004	188160	65058.725	56362.800	8695.926	4.622	13.366	2302.83	796.234	106.427
2005	186416	65214.724	55611.518	9603.206	5.151	14.726	2256.27	789.321	116.232
2006	180088	63771.146	53494.336	10276.81	5.707	16.115	2160.67	765.117	123.300
2007	175644	63110.718	52147.453	10963.26	6.242	17.371	2086.36	749.650	130.225
2008	177570	63718.624	51746.765	11971.86	6.742	18.789	2086.39	748.674	140.666
2009	172806	62794.698	50192.850	12601.85	7.292	20.068	2007.57	729.515	146.401
2010	170489	61917.074	48667.138	13249.94	7.772	21.399	1957.97	711.083	152.168
2011	170305	61680.114	47533.364	14146.75	8.307	22.936	1937.46	701.700	160.940
2012	171421	62023.127	46900.265	15122.86	8.822	24.383	1930.22	698.386	170.285
2013	172699	62037.765	46023.191	16014.57	9.273	25.814	1923.75	691.059	178.392
2014	174169	61921.017	44937.969	16983.05	9.751	27.427	1918.85	682.195	187.105
2015	177354	61856.204	44060.860	17795.34	10.034	28.769	2184.51	761.899	219.190
2016	176853	60464.119	42020.387	18443.73	10.429	30.504	2157.59	737.655	225.011
2017	179309	60243.839	40913.129	19330.71	10.781	32.087	2166.86	728.017	233.602
2018	177157	60713.327	40616.439	20096.89	11.344	33.101	2120.51	726.721	240.554
2019	179227	61148.172	40035.287	21112.88	11.780	34.527	2124.53	724.841	250.269
2020	180467	61149.317	39385.275	21764.04	12.060	35.592	2424.25	821.432	292.361
2021	178116	58727.786	36654.946	22072.84	12.392	37.585	2375.42	783.216	488.844
2022	179408	58848.802	35962.373	22886.43	12.757	38.890	2374.52	778.881	475.972
2023	180640	58816.149	35221.844	23594.31	13.062	40.115	2372.26	772.407	462.553
2024	181610	58955.232	34532.496	24422.74	13.448	41.426	2366.77	768.316	450.034
2025	180418	58297.744	33559.273	24738.47	13.712	42.435	2713.69	876.861	504.768
2026	180313	56469.971	31546.796	24923.17	13.822	44.135	2701.83	846.150	472.699
2027	179619	56209.427	30660.514	25548.91	14.224	45.453	2680.68	838.883	457.585
2028	178762	55733.105	29704.308	26028.80	14.561	46.703	2656.74	828.298	441.462
2029	177808	55145.838	28691.944	26453.89	14.878	47.971	2630.89	815.951	424.533
2030	173587	53615.097	27385.834	26229.26	15.110	48.921	3040.33	939.056	479.656
2031	174985	52046.561	26050.220	25996.34	14.856	49.948	3060.73	910.364	455.653
2032	173400	51582.636	25233.991	26348.64	15.195	51.080	3027.10	900.496	440.518
2033	171756	50839.758	24363.144	26476.61	15.415	52.079	2991.14	885.375	424.284
2034	169973	50215.451	23532.050	26683.40	15.699	53.138	2951.96	872.104	408.687
2035	162644	47773.075	22080.893	25692.18	15.797	53.780	3459.14	1016.05	469.620
2036	156254	43298.709	19407.149	23891.56	15.290	55.178	3328.25	922.274	413.378
2037	153593	42241.563	18432.179	23809.38	15.502	56.365	3274.10	900.450	392.913
2038	150947	41356.353	17663.091	23693.26	15.696	57.291	3217.50	881.531	376.497
2039	148373	40161.050	16734.922	23426.13	15.789	58.330	3159.42	855.178	356.348

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1258988.001	321477.2	13.811	20.341	639.078	433.910	345.650	88.260

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31384.620	27.390	0.063	0.087	631.345	453.901	453.505	0.396
1992	45423	32782.407	32703.340	79.066	0.174	0.241	647.450	467.274	466.147	1.127
1993	46291	33491.183	33335.020	156.163	0.337	0.466	650.515	470.643	468.448	2.195
1994	47017	34074.347	33821.907	252.440	0.537	0.741	650.895	471.719	468.225	3.495
1995	47840	34694.454	34313.987	380.467	0.795	1.097	652.025	472.861	467.675	5.185
1996	48244	35027.269	34502.443	524.826	1.088	1.498	648.999	471.202	464.142	7.060
1997	49035	35590.763	34895.139	695.624	1.419	1.955	650.506	472.153	462.925	9.228
1998	49686	36100.785	35203.698	897.086	1.806	2.485	649.874	472.184	460.451	11.734
1999	48883	35451.030	34375.320	1075.709	2.201	3.034	630.769	457.448	443.567	13.881
2000	50331	36447.986	35103.798	1344.188	2.671	3.688	641.392	464.474	447.344	17.130
2001	50389	36411.326	34798.592	1612.734	3.201	4.429	635.012	458.863	438.539	20.324
2002	51445	37078.545	35133.226	1945.319	3.781	5.246	641.972	462.696	438.420	24.275
2003	51408	36999.876	34740.421	2259.455	4.395	6.107	635.509	457.395	429.463	27.932
2004	51399	36861.555	34258.583	2602.972	5.064	7.061	629.057	451.138	419.281	31.857
2005	51421	36689.529	33727.198	2962.330	5.761	8.074	622.370	444.069	408.214	35.854
2006	51355	36504.774	33170.083	3334.690	6.493	9.135	616.150	437.979	397.970	40.009
2007	51839	36663.202	32885.639	3777.563	7.287	10.303	615.761	435.498	390.627	44.871
2008	50976	35898.803	31798.678	4100.125	8.043	11.421	598.952	421.800	373.624	48.175
2009	51193	35934.525	31368.127	4566.398	8.920	12.708	594.733	417.468	364.418	53.050
2010	50853	35502.829	30567.524	4935.306	9.705	13.901	584.018	407.730	351.051	56.679
2011	50509	35136.342	29768.901	5367.441	10.627	15.276	574.613	399.726	338.664	61.062
2012	51245	35450.201	29549.252	5900.949	11.515	16.646	577.023	399.173	332.727	66.445
2013	51069	35123.224	28752.744	6370.480	12.474	18.138	568.874	391.249	320.286	70.963
2014	51251	35079.370	28212.969	6866.401	13.398	19.574	564.641	386.476	310.827	75.648
2015	50443	34324.171	27153.240	7170.931	14.216	20.892	621.319	422.780	334.453	88.326
2016	48854	33054.753	25621.919	7432.833	15.214	22.486	596.013	403.264	312.584	90.680
2017	48325	32471.234	24642.251	7828.984	16.201	24.111	583.983	392.399	297.579	94.609
2018	50465	33657.595	24944.514	8713.081	17.266	25.887	604.052	402.871	298.788	104.293
2019	51036	33863.424	24539.583	9323.841	18.269	27.534	604.975	401.412	290.888	110.523
2020	51444	33910.830	24103.152	9807.677	19.065	28.922	691.053	455.532	323.783	131.749
2021	48037	31531.880	21864.298	9667.582	20.125	30.660	640.639	420.521	291.590	128.930
2022	48335	31560.212	21386.162	10174.05	21.049	32.237	639.727	417.708	283.052	134.656
2023	48599	31508.781	20874.921	10633.86	21.881	33.749	638.227	413.791	274.141	139.650
2024	48784	31517.293	20383.604	11133.69	22.823	35.326	635.757	410.740	265.643	145.096
2025	48477	31175.389	19742.193	11433.20	23.585	36.674	729.141	468.912	296.944	171.968
2026	45324	29044.598	17942.569	11102.03	24.495	38.224	679.138	435.206	268.853	166.354
2027	45107	28825.765	17365.275	11460.49	25.407	39.758	673.191	430.203	259.164	171.039
2028	44842	28513.846	16760.287	11753.56	26.211	41.221	666.430	423.769	249.089	174.680
2029	44539	28148.109	16126.307	12021.80	26.991	42.709	659.013	416.486	238.609	177.877
2030	43393	27314.475	15321.669	11992.81	27.638	43.906	760.018	478.407	268.355	210.051
2031	40748	25423.102	14018.279	11404.82	27.989	44.860	712.731	444.684	245.198	199.486
2032	40325	25085.902	13509.403	11576.50	28.708	46.147	703.969	437.933	235.838	202.095
2033	39882	24645.067	12987.841	11657.23	29.229	47.300	694.543	429.194	226.183	203.011
2034	39404	24239.126	12489.126	11750.00	29.819	48.475	684.347	420.967	216.902	204.065
2035	37454	22944.147	11625.865	11318.28	30.219	49.330	796.588	487.980	247.261	240.719
2036	32988	19950.581	9859.635	10090.95	30.589	50.580	702.663	424.953	210.013	214.940
2037	32403	19415.334	9345.667	10069.67	31.076	51.865	690.731	413.871	199.219	214.652
2038	31820	18939.317	8935.720	10003.60	31.438	52.819	678.257	403.701	190.469	213.232
2039	31251	18379.752	8459.107	9920.645	31.745	53.976	665.457	391.373	180.126	211.247

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	236394.756	162439.0	5.010	40.729	890.124	109.498	64.901	44.597

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12780.313	76.166	0.079	0.592	1393.01	185.775	184.674	1.101
1992	93721	12662.244	12452.261	209.983	0.224	1.658	1335.88	180.485	177.492	2.993
1993	93679	12730.613	12330.998	399.615	0.427	3.139	1316.45	178.900	173.284	5.616
1994	90832	12495.323	11874.881	620.442	0.683	4.965	1257.46	172.983	164.394	8.589
1995	89698	12365.590	11490.809	874.781	0.975	7.074	1222.52	168.534	156.612	11.923
1996	88286	12290.551	11101.693	1188.858	1.347	9.673	1187.66	165.338	149.345	15.993
1997	84777	11719.531	10291.923	1427.608	1.684	12.181	1124.67	155.473	136.534	18.939
1998	82517	11416.794	9711.695	1705.099	2.066	14.935	1079.29	149.327	127.025	22.302
1999	93939	13028.038	10687.442	2340.597	2.492	17.966	1212.16	168.109	137.907	30.202
2000	90039	12426.299	9816.461	2609.838	2.899	21.003	1147.41	158.354	125.096	33.258
2001	86119	11939.281	9005.388	2933.894	3.407	24.573	1085.29	150.461	113.488	36.974
2002	83014	11528.794	8276.896	3251.898	3.917	28.207	1035.91	143.865	103.286	40.580
2003	79302	11048.407	7558.191	3490.215	4.401	31.590	980.336	136.581	93.435	43.146
2004	73861	10375.132	6726.435	3648.696	4.940	35.168	903.963	126.978	82.323	44.655
2005	71649	10051.029	6187.414	3863.616	5.392	38.440	867.197	121.652	74.889	46.763
2006	67551	9542.523	5542.975	3999.548	5.921	41.913	810.467	114.490	66.504	47.986
2007	63503	8936.533	4915.194	4021.339	6.333	44.999	754.310	106.151	58.384	47.767
2008	63171	8944.180	4657.102	4287.079	6.786	47.931	742.239	105.091	54.719	50.372
2009	59747	8390.033	4157.532	4232.501	7.084	50.447	694.108	97.471	48.300	49.171
2010	58008	8157.570	3845.227	4312.343	7.434	52.863	666.189	93.685	44.160	49.525
2011	57368	8035.356	3584.796	4450.560	7.758	55.387	652.644	91.414	40.782	50.632
2012	57411	7970.766	3366.314	4604.452	8.020	57.767	646.453	89.752	37.905	51.847
2013	57067	7743.216	3121.625	4621.591	8.099	59.686	635.688	86.254	34.773	51.481
2014	57538	7774.935	2982.277	4792.658	8.330	61.642	633.906	85.658	32.856	52.802
2015	58395	7722.535	2853.826	4868.709	8.338	63.045	719.266	95.120	35.151	59.969
2016	58658	7600.353	2680.417	4919.937	8.387	64.733	715.621	92.723	32.701	60.023
2017	59004	7470.266	2527.571	4942.695	8.377	66.165	713.034	90.274	30.544	59.730
2018	56077	6907.050	2245.024	4662.026	8.314	67.497	671.224	82.675	26.872	55.803
2019	55886	6732.046	2112.805	4619.242	8.265	68.616	662.462	79.801	25.045	54.756
2020	55313	6429.836	1960.012	4469.824	8.081	69.517	743.037	86.373	26.329	60.044
2021	56292	6562.016	1921.298	4640.718	8.244	70.721	750.730	87.513	25.623	61.890
2022	55827	6352.366	1807.719	4544.647	8.141	71.543	738.885	84.075	23.926	60.150
2023	55338	6134.123	1706.957	4427.166	8.000	72.173	726.728	80.557	22.417	58.140
2024	54770	5922.193	1609.797	4312.395	7.874	72.818	713.771	77.179	20.979	56.200
2025	53295	5504.188	1465.848	4038.340	7.577	73.369	801.612	82.789	22.048	60.741
2026	55278	5641.075	1471.627	4169.449	7.543	73.912	828.283	84.526	22.051	62.475
2027	54199	5426.216	1391.222	4034.994	7.445	74.361	808.875	80.982	20.763	60.219
2028	53090	5197.830	1313.359	3884.471	7.317	74.733	789.020	77.249	19.519	57.730
2029	51974	4973.547	1240.772	3732.775	7.182	75.053	769.023	73.590	18.359	55.231
2030	49479	4450.618	1085.466	3365.152	6.801	75.611	866.605	77.952	19.012	58.940
2031	51987	4555.052	1104.080	3450.972	6.638	75.761	909.317	79.674	19.312	60.362
2032	50677	4349.999	1044.337	3305.662	6.523	75.992	884.689	75.939	18.231	57.708
2033	49380	4147.948	992.466	3155.482	6.390	76.073	859.955	72.237	17.284	54.953
2034	48076	3966.133	941.999	3024.134	6.290	76.249	834.943	68.881	16.360	52.521
2035	44518	3289.064	761.843	2527.221	5.677	76.837	946.825	69.952	16.203	53.749
2036	46347	3313.192	758.751	2554.441	5.512	77.099	987.211	70.572	16.162	54.410
2037	44841	3117.951	709.740	2408.211	5.371	77.237	955.859	66.464	15.129	51.335
2038	43378	2949.775	670.108	2279.667	5.255	77.283	924.621	62.876	14.284	48.592
2039	41973	2766.312	628.980	2137.332	5.092	77.263	893.753	58.905	13.393	45.512

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	60916.485	43983.26	3.253	41.929	371.243	28.800	16.724	12.075

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3183.844	23.219	0.071	0.724	469.694	46.342	46.006	0.336
1992	32560	3218.125	3153.407	64.718	0.199	2.011	464.104	45.871	44.948	0.922
1993	32768	3226.680	3104.364	122.316	0.373	3.791	460.480	45.344	43.625	1.719
1994	33005	3277.266	3082.743	194.523	0.589	5.936	456.915	45.370	42.677	2.693
1995	33730	3309.378	3031.117	278.261	0.825	8.408	459.716	45.104	41.312	3.793
1996	33750	3312.987	2937.156	375.831	1.114	11.344	454.019	44.568	39.512	5.056
1997	33699	3267.066	2797.412	469.654	1.394	14.375	447.056	43.341	37.111	6.231
1998	33274	3178.725	2619.350	559.375	1.681	17.597	435.211	41.577	34.260	7.316
1999	33891	3120.351	2470.229	650.123	1.918	20.835	437.317	40.264	31.875	8.389
2000	33827	3142.808	2383.408	759.400	2.245	24.163	431.074	40.050	30.373	9.677
2001	32506	2961.588	2147.366	814.222	2.505	27.493	409.647	37.323	27.062	10.261
2002	32078	2940.627	2025.831	914.797	2.852	31.109	400.295	36.695	25.280	11.416
2003	30568	2819.545	1847.216	972.329	3.181	34.485	377.883	34.855	22.835	12.020
2004	29388	2730.466	1696.460	1034.006	3.518	37.869	359.671	33.417	20.762	12.655
2005	27954	2670.510	1575.963	1094.547	3.916	40.986	338.339	32.322	19.075	13.248
2006	27201	2623.285	1468.961	1154.325	4.244	44.003	326.354	31.474	17.624	13.849
2007	26302	2536.599	1348.111	1188.488	4.519	46.854	312.424	30.131	16.013	14.117
2008	25998	2469.443	1247.957	1221.487	4.698	49.464	305.468	29.015	14.663	14.352
2009	25040	2386.945	1147.667	1239.278	4.949	51.919	290.901	27.730	13.333	14.397
2010	24840	2329.274	1067.380	1261.895	5.080	54.175	285.273	26.750	12.258	14.492
2011	24792	2286.581	995.336	1291.245	5.208	56.471	282.045	26.013	11.323	14.690
2012	24500	2243.311	928.615	1314.696	5.366	58.605	275.872	25.260	10.456	14.804
2013	24451	2176.503	857.948	1318.555	5.393	60.581	272.368	24.245	9.557	14.688
2014	25296	2211.619	832.459	1379.160	5.452	62.360	278.691	24.366	9.171	15.194
2015	26316	2237.016	811.543	1425.473	5.417	63.722	324.141	27.554	9.996	17.558
2016	26735	2229.057	777.145	1451.912	5.431	65.136	326.164	27.194	9.481	17.713
2017	27616	2221.649	746.309	1475.341	5.342	66.407	333.726	26.848	9.019	17.829
2018	25256	1939.420	630.187	1309.233	5.184	67.506	302.304	23.214	7.543	15.671
2019	25429	1904.400	597.155	1307.245	5.141	68.643	301.434	22.574	7.079	15.496
2020	25379	1806.054	549.866	1256.189	4.950	69.554	340.922	24.261	7.386	16.875
2021	25448	1748.172	514.155	1234.018	4.849	70.589	339.386	23.314	6.857	16.457
2022	25539	1701.148	486.343	1214.804	4.757	71.411	338.015	22.515	6.437	16.078
2023	25620	1652.087	461.997	1190.090	4.645	72.036	336.461	21.696	6.067	15.629
2024	25659	1597.127	435.895	1161.232	4.526	72.708	334.391	20.814	5.681	15.133
2025	25260	1467.622	391.918	1075.704	4.259	73.296	379.931	22.075	5.895	16.180
2026	25480	1390.505	364.284	1026.222	4.028	73.802	381.790	20.835	5.458	15.377
2027	25264	1342.095	344.962	997.134	3.947	74.297	377.042	20.030	5.148	14.881
2028	25022	1289.536	326.543	962.993	3.849	74.677	371.870	19.165	4.853	14.312
2029	24767	1242.216	310.035	932.181	3.764	75.042	366.459	18.380	4.587	13.793
2030	23959	1096.803	267.200	829.603	3.463	75.638	419.641	19.210	4.680	14.530
2031	23963	1019.991	246.522	773.469	3.228	75.831	419.142	17.841	4.312	13.529
2032	23615	977.406	233.720	743.686	3.149	76.088	412.259	17.063	4.080	12.983
2033	23259	937.450	223.058	714.392	3.071	76.206	405.051	16.326	3.885	12.441
2034	22879	900.763	212.400	688.363	3.009	76.420	397.339	15.644	3.689	11.955
2035	21733	745.023	172.364	572.659	2.635	76.865	462.224	15.845	3.666	12.179
2036	20904	680.360	154.943	525.416	2.513	77.226	445.263	14.492	3.300	11.192
2037	20397	644.109	145.844	498.266	2.443	77.357	434.791	13.730	3.109	10.621
2038	19890	612.448	138.240	474.208	2.384	77.428	423.966	13.055	2.947	10.108
2039	19392	577.529	130.542	446.988	2.305	77.397	412.930	12.298	2.780	9.518

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	613774.250	248277.0	11.495	28.801	593.003	236.673	168.509	68.163

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11587.387	15.546	0.059	0.134	383.818	167.661	167.437	0.225
1992	26828	11831.375	11788.968	42.406	0.158	0.358	382.401	168.642	168.038	0.604
1993	29774	13246.371	13154.970	91.401	0.307	0.690	418.406	186.148	184.863	1.284
1994	29804	13355.662	13210.844	144.818	0.486	1.084	412.601	184.893	182.889	2.005
1995	29755	13397.439	13182.134	215.306	0.724	1.607	405.540	182.598	179.663	2.934
1996	30900	13960.356	13660.294	300.062	0.971	2.149	415.680	187.801	183.764	4.037
1997	31128	14109.552	13718.850	390.703	1.255	2.769	412.949	187.180	181.996	5.183
1998	32096	14599.657	14088.887	510.770	1.591	3.499	419.803	190.958	184.277	6.681
1999	34616	15728.102	15067.803	660.299	1.907	4.198	446.673	202.950	194.430	8.520
2000	34299	15579.803	14792.641	787.162	2.295	5.052	437.088	198.541	188.510	10.031
2001	34592	15696.614	14748.583	948.031	2.741	6.040	435.935	197.812	185.865	11.947
2002	34291	15519.777	14418.992	1100.785	3.210	7.093	427.910	193.668	179.932	13.736
2003	35074	15888.389	14587.421	1300.969	3.709	8.188	433.587	196.413	180.331	16.083
2004	33512	15091.573	13681.321	1410.252	4.208	9.345	410.143	184.701	167.442	17.260
2005	35392	15803.656	14120.943	1682.713	4.755	10.648	428.364	191.278	170.912	20.367
2006	33981	15100.563	13312.316	1788.247	5.262	11.842	407.699	181.174	159.719	21.455
2007	34000	14974.384	12998.509	1975.875	5.811	13.195	403.863	177.871	154.401	23.470
2008	37425	16406.197	14043.028	2363.169	6.314	14.404	439.732	192.768	165.001	27.766
2009	36826	16083.194	13519.523	2563.671	6.962	15.940	427.825	186.846	157.063	29.783
2010	36788	15927.400	13187.008	2740.392	7.449	17.206	422.489	182.917	151.445	31.472
2011	37636	16221.836	13184.331	3037.504	8.071	18.725	428.164	184.547	149.991	34.556
2012	38265	16358.849	13056.084	3302.766	8.631	20.189	430.867	184.202	147.013	37.189
2013	40112	16994.822	13290.874	3703.948	9.234	21.795	446.821	189.311	148.051	41.259
2014	40084	16855.093	12910.264	3944.829	9.841	23.404	441.613	185.696	142.235	43.461
2015	42200	17572.483	13242.252	4330.231	10.261	24.642	519.788	216.445	163.108	53.337
2016	42606	17579.955	12940.906	4639.049	10.888	26.388	519.788	214.473	157.878	56.596
2017	44364	18080.688	12996.998	5083.691	11.459	28.117	536.117	218.496	157.062	61.434
2018	45359	18209.262	12796.714	5412.548	11.933	29.724	542.932	217.960	153.173	64.787
2019	46876	18648.302	12785.745	5862.557	12.507	31.437	555.657	221.054	151.560	69.494
2020	48331	19002.597	12772.245	6230.352	12.891	32.787	649.239	255.266	171.572	83.694
2021	48338	18885.717	12355.195	6530.523	13.510	34.579	644.660	251.867	164.773	87.093
2022	49708	19235.076	12282.149	6952.928	13.988	36.147	657.895	254.582	162.558	92.024
2023	51083	19521.158	12177.969	7343.189	14.375	37.617	670.849	256.363	159.928	96.435
2024	52397	19918.620	12103.200	7815.420	14.916	39.237	682.854	259.583	157.731	101.852
2025	53387	20150.545	11959.314	8191.231	15.343	40.650	803.004	303.086	179.881	123.205
2026	54232	20393.792	11768.317	8625.476	15.905	42.295	812.615	305.582	176.337	129.245
2027	55049	20615.351	11559.057	9056.295	16.451	43.930	821.568	307.668	172.510	135.158
2028	55809	20731.894	11304.118	9427.775	16.893	45.475	829.419	308.115	168.000	140.114
2029	56527	20781.967	11014.830	9767.137	17.279	46.998	836.392	307.495	162.978	144.517
2030	56756	20753.201	10711.500	10041.70	17.693	48.386	994.067	363.487	187.609	175.878
2031	58288	21048.417	10681.339	10367.08	17.786	49.253	1019.54	368.165	186.831	181.334
2032	58782	21169.329	10446.531	10722.80	18.242	50.653	1026.18	369.560	182.369	187.192
2033	59236	21109.293	10159.779	10949.51	18.485	51.871	1031.59	367.618	176.933	190.686
2034	59614	21109.429	9888.524	11220.91	18.823	53.156	1035.33	366.613	171.736	194.876
2035	58938	20794.840	9520.820	11274.02	19.129	54.215	1253.51	442.268	202.490	239.778
2036	56014	19354.577	8633.819	10720.76	19.139	55.391	1193.11	412.258	183.903	228.355
2037	55953	19064.169	8230.928	10833.24	19.361	56.825	1192.72	406.385	175.456	230.929
2038	55859	18854.812	7919.023	10935.79	19.578	58.000	1190.66	401.900	168.798	233.102
2039	55757	18437.457	7516.293	10921.16	19.587	59.234	1187.28	392.602	160.050	232.552

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig			%Drop	NULL	Ecig			
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9135179	2946250.006	2179295.236	766954.8	8.396	26.032	2498.47	808.881	596.038	212.843

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig			%Drop	NULL	Ecig			
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58936.164	142.321	0.071	0.241	2877.87	853.678	851.622	2.057
1992	198533	60494.150	60098.169	395.981	0.199	0.655	2829.84	862.271	856.625	5.646
1993	202514	62694.848	61926.097	768.750	0.380	1.226	2845.86	881.034	870.224	10.810
1994	200664	63202.598	61992.201	1210.397	0.603	1.915	2777.90	874.966	858.193	16.773
1995	201034	63766.862	62021.549	1745.313	0.868	2.737	2739.85	869.097	845.280	23.818
1996	201199	64591.163	62207.552	2383.610	1.185	3.690	2706.45	868.908	836.793	32.115
1997	198668	64686.912	61712.583	2974.329	1.497	4.598	2635.32	858.147	818.613	39.534
1998	197615	65295.961	61637.153	3658.808	1.851	5.603	2584.38	854.046	806.083	47.963
1999	211392	67327.521	62619.907	4707.614	2.227	6.992	2727.23	868.771	807.878	60.893
2000	208580	67596.897	62122.007	5474.889	2.625	8.099	2657.38	861.419	791.456	69.963
2001	203713	67008.811	60732.782	6276.029	3.081	9.366	2566.42	844.458	765.123	79.335
2002	200963	67067.744	59896.042	7171.702	3.569	10.693	2506.77	836.925	747.131	89.794
2003	196517	66756.217	58783.607	7972.609	4.057	11.943	2428.16	825.244	726.327	98.918
2004	188355	65058.725	56421.970	8636.755	4.585	13.275	2303.84	796.234	690.118	106.117
2005	186647	65214.724	55681.240	9533.484	5.108	14.619	2257.46	789.321	673.452	115.868
2006	180353	63771.146	53573.618	10197.53	5.654	15.991	2162.03	765.117	642.230	122.887
2007	175945	63110.718	52237.519	10873.20	6.180	17.229	2087.90	749.650	619.893	129.758
2008	177921	63718.624	51849.938	11868.69	6.671	18.627	2088.19	748.674	608.543	140.131
2009	173197	62794.698	50307.136	12487.56	7.210	19.886	2009.56	729.515	583.702	145.813
2010	170925	61917.074	48792.390	13124.68	7.679	21.197	1960.18	711.083	559.554	151.529
2011	170793	61680.114	47670.325	14009.79	8.203	22.714	1939.92	701.700	541.454	160.246
2012	171968	62023.127	47050.813	14972.31	8.706	24.140	1932.95	698.386	528.859	169.528
2013	173311	62037.765	46187.151	15850.61	9.146	25.550	1926.79	691.059	513.486	177.573
2014	174850	61921.017	45114.574	16806.44	9.612	27.142	1922.20	682.195	495.964	186.231
2015	178119	61856.204	44251.782	17604.42	9.884	28.460	2188.13	761.899	543.616	218.283
2016	177687	60464.119	42219.352	18244.77	10.268	30.175	2161.49	737.655	513.581	224.074
2017	180233	60243.839	41124.805	19119.03	10.608	31.736	2171.18	728.017	495.411	232.606
2018	178151	60713.327	40845.250	19868.08	11.152	32.724	2125.16	726.721	487.242	239.478
2019	180320	61148.172	40280.445	20867.73	11.573	34.126	2129.65	724.841	475.726	249.115
2020	181666	61149.317	39647.423	21501.89	11.836	35.163	2429.50	821.432	530.223	291.209
2021	179388	58727.786	36917.641	21810.14	12.158	37.138	2380.99	783.216	490.000	293.215
2022	180785	58848.802	36239.063	22609.74	12.506	38.420	2380.57	778.881	477.194	301.686
2023	182124	58816.149	35512.054	23304.10	12.796	39.622	2378.81	772.407	463.839	308.568
2024	183204	58955.232	34836.546	24118.69	13.165	40.910	2373.83	768.316	451.388	316.928
2025	182122	58297.744	33876.366	24421.38	13.409	41.891	2720.47	876.861	506.033	370.828
2026	182133	56469.971	31866.863	24603.11	13.508	43.568	2709.26	846.150	474.026	372.124
2027	181543	56209.427	30991.203	25218.22	13.891	44.865	2688.66	838.883	458.982	379.901
2028	180791	55733.105	30043.856	25689.25	14.209	46.093	2665.29	828.298	442.918	385.380
2029	179942	55145.838	29039.157	26106.68	14.508	47.341	2640.02	815.951	426.048	389.902
2030	175818	53615.097	27740.289	25874.81	14.717	48.260	3048.66	939.056	481.012	458.044
2031	177382	52046.561	26411.596	25634.97	14.452	49.254	3070.24	910.364	457.148	453.216
2032	175902	51582.636	25603.448	25979.19	14.769	50.364	3037.32	900.496	442.098	458.397
2033	174363	50839.758	24738.794	26100.96	14.969	51.340	3002.09	885.375	425.939	459.435
2034	172680	50215.451	23913.486	26301.97	15.232	52.378	2963.63	872.104	410.417	461.687
2035	165419	47773.075	22464.539	25308.54	15.300	52.977	3469.53	1016.05	471.174	544.872
2036	159047	43298.709	19760.664	23538.05	14.799	54.362	3339.18	922.274	414.873	507.402
2037	156456	42241.563	18782.156	23459.41	14.994	55.536	3285.74	900.450	394.446	506.004
2038	153874	41356.353	18012.529	23343.82	15.171	56.446	3229.86	881.531	378.087	503.444
2039	151364	40161.050	17078.619	23082.43	15.250	57.475	3172.47	855.178	357.955	497.222

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2340718	1580465.217	1264197.811	316267.4	13.512	20.011	640.187	433.910	345.759	88.152

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31384.620	27.390	0.063	0.087	631.345	453.901	453.505	0.396
1992	45423	32782.407	32703.446	78.961	0.174	0.241	647.451	467.274	466.147	1.126
1993	46292	33491.183	33335.424	155.760	0.336	0.465	650.518	470.643	468.450	2.192
1994	47018	34074.347	33822.913	251.435	0.535	0.738	650.902	471.719	468.230	3.490
1995	47843	34694.454	34315.944	378.510	0.791	1.091	652.039	472.861	467.685	5.176
1996	48249	35027.269	34505.789	521.479	1.081	1.489	649.023	471.202	464.159	7.043
1997	49042	35590.763	34900.417	690.346	1.408	1.940	650.544	472.153	462.952	9.201
1998	49697	36100.785	35211.479	889.306	1.789	2.463	649.930	472.184	460.491	11.693
1999	48898	35451.030	34385.872	1065.157	2.178	3.005	630.847	457.448	443.622	13.825
2000	50352	36447.986	35118.406	1329.580	2.641	3.648	641.500	464.474	447.421	17.053
2001	50416	36411.326	34817.499	1593.827	3.161	4.377	635.154	458.863	438.637	20.225
2002	51480	37078.545	35157.462	1921.083	3.732	5.181	642.156	462.696	438.547	24.149
2003	51452	36999.876	34770.331	2229.545	4.333	6.026	635.739	457.395	429.620	27.775
2004	51453	36861.555	34294.668	2566.887	4.989	6.964	629.339	451.138	419.471	31.667
2005	51485	36689.529	33769.575	2919.954	5.671	7.959	622.704	444.069	408.436	35.633
2006	51431	36504.774	33219.318	3285.456	6.388	9.000	616.543	437.979	398.227	39.752
2007	51928	36663.202	32942.503	3720.698	7.165	10.148	616.220	435.498	390.922	44.575
2008	51077	35898.803	31862.060	4036.744	7.903	11.245	599.470	421.800	373.953	47.847
2009	51309	35934.525	31439.561	4494.964	8.761	12.509	595.321	417.468	364.786	52.682
2010	50983	35502.829	30646.167	4856.662	9.526	13.680	584.671	407.730	351.452	56.278
2011	50653	35136.342	29854.627	5281.715	10.427	15.032	575.333	399.726	339.098	60.628
2012	51408	35450.201	29644.095	5806.105	11.294	16.378	577.832	399.173	333.204	65.968
2013	51249	35123.224	28855.090	6268.134	12.231	17.846	569.761	391.249	320.797	70.452
2014	51450	35079.370	28323.876	6755.494	13.130	19.258	565.616	386.476	311.377	75.099
2015	50659	34324.171	27270.840	7053.330	13.923	20.549	622.329	422.780	335.012	87.768
2016	49083	33054.753	25743.277	7311.476	14.896	22.119	597.074	403.264	313.156	90.108
2017	48572	32471.234	24769.790	7701.445	15.856	23.718	585.129	392.399	298.390	94.009
2018	50745	33657.595	25084.508	8573.086	16.894	25.471	605.339	402.871	299.233	103.639
2019	51343	33863.424	24689.167	9174.257	17.868	27.092	606.385	401.412	291.588	109.824
2020	51780	33910.830	24262.604	9648.226	18.633	28.452	692.475	455.532	324.475	131.057
2021	48376	31531.880	22020.204	9511.676	19.662	30.165	642.079	420.521	292.270	128.251
2022	48700	31560.212	21549.800	10010.41	20.555	31.718	641.285	417.708	283.767	133.942
2023	48992	31508.781	21045.894	10462.89	21.356	33.206	639.909	413.791	274.890	138.901
2024	49205	31517.293	20561.913	10955.38	22.265	34.760	637.566	410.740	266.427	144.312
2025	48926	31175.389	19927.312	11248.08	22.990	36.080	730.840	468.912	297.667	171.245
2026	45775	29044.598	18123.376	10921.22	23.858	37.602	680.915	435.206	269.589	165.617
2027	45584	28825.765	17551.175	11274.59	24.734	39.113	675.095	430.203	259.934	170.269
2028	45343	28513.846	16950.328	11563.52	25.502	40.554	668.466	423.769	249.888	173.881
2029	45066	28148.109	16319.745	11828.36	26.247	42.022	661.183	416.486	239.435	177.051
2030	43942	27314.475	15518.150	11796.32	26.845	43.187	761.948	478.407	269.082	209.325
2031	41300	25423.102	14211.077	11212.02	27.148	44.102	714.846	444.684	245.974	198.710
2032	40900	25085.902	13705.300	11380.60	27.825	45.367	706.232	437.933	236.651	201.282
2033	40480	24645.067	13185.992	11459.08	28.308	46.496	696.958	429.194	227.029	202.165
2034	40024	24239.126	12689.240	11549.89	28.858	47.650	686.910	420.967	217.780	203.187
2035	38087	22944.147	11825.742	11118.40	29.192	48.459	798.831	487.980	248.035	239.945
2036	33570	19950.581	10036.860	9913.721	29.531	49.691	704.802	424.953	210.723	214.230
2037	32998	19415.334	9520.542	9894.792	29.986	50.964	693.001	413.871	199.942	213.929
2038	32427	18939.317	9109.730	9829.587	30.313	51.900	680.657	403.701	191.215	212.485
2039	31871	18379.752	8629.902	9749.850	30.592	53.047	667.983	391.373	180.876	210.497

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3257764	398833.796	236813.796	162020.0	4.973	40.623	891.000	109.498	64.769	44.730

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12780.313	76.166	0.079	0.592	1393.01	185.775	184.674	1.101
1992	93721	12662.244	12452.300	209.943	0.224	1.658	1335.88	180.485	177.492	2.993
1993	93680	12730.613	12331.146	399.467	0.426	3.138	1316.45	178.900	173.285	5.615
1994	90835	12495.323	11875.230	620.093	0.683	4.963	1257.47	172.983	164.396	8.588
1995	89703	12365.590	11491.457	874.133	0.974	7.069	1222.54	168.534	156.615	11.919
1996	88294	12290.551	11102.753	1187.799	1.345	9.664	1187.70	165.338	149.350	15.988
1997	84789	11719.531	10293.470	1426.061	1.682	12.168	1124.72	155.473	136.542	18.931
1998	82534	11416.794	9713.832	1702.962	2.063	14.916	1079.37	149.327	127.036	22.291
1999	93967	13028.038	10690.719	2337.319	2.487	17.941	1212.29	168.109	137.924	30.185
2000	90075	12426.299	9820.538	2605.761	2.893	20.970	1147.59	158.354	125.117	33.237
2001	86164	11939.281	9010.257	2929.024	3.399	24.533	1085.51	150.461	113.513	36.948
2002	83069	11528.794	8282.535	3246.259	3.908	28.158	1036.19	143.865	103.315	40.551
2003	79368	11048.407	7564.581	3483.826	4.389	31.532	980.670	136.581	93.467	43.114
2004	73937	10375.132	6733.338	3641.794	4.926	35.101	904.350	126.978	82.358	44.620
2005	71737	10051.029	6194.954	3856.076	5.375	38.365	867.648	121.652	74.927	46.725
2006	67650	9542.523	5550.874	3991.649	5.900	41.830	810.972	114.490	66.543	47.947
2007	63611	8936.533	4923.281	4013.252	6.309	44.908	754.860	106.151	58.424	47.727
2008	63295	8944.180	4665.826	4278.355	6.759	47.834	742.866	105.091	54.761	50.330
2009	59881	8390.033	4166.376	4223.657	7.053	50.341	694.784	97.471	48.341	49.129
2010	58155	8157.570	3854.376	4303.194	7.400	52.751	666.923	93.685	44.202	49.483
2011	57531	8035.356	3594.262	4441.093	7.720	55.269	653.452	91.414	40.825	50.589
2012	57592	7970.766	3376.049	4594.717	7.978	57.645	647.341	89.752	37.947	51.804
2013	57267	7743.216	3131.566	4611.649	8.053	59.557	636.666	86.254	34.815	51.439
2014	57760	7774.935	2992.622	4782.313	8.280	61.509	634.979	85.658	32.899	52.759
2015	58643	7722.535	2864.705	4857.829	8.284	62.905	720.408	95.120	35.192	59.929
2016	58931	7600.353	2691.519	4908.835	8.330	64.587	716.866	92.723	32.741	59.982
2017	59303	7470.266	2538.909	4931.357	8.316	66.013	714.395	90.274	30.585	59.689
2018	56386	6907.050	2255.850	4651.200	8.249	67.340	672.625	82.675	26.910	55.765
2019	56220	6732.046	2123.793	4608.253	8.197	68.452	663.982	79.801	25.083	54.718
2020	55674	6429.836	1971.150	4458.685	8.008	69.344	744.561	86.373	26.361	60.012
2021	56685	6562.016	1932.875	4629.140	8.166	70.544	752.367	87.513	25.655	61.859
2022	56245	6352.366	1819.342	4533.024	8.059	71.360	740.635	84.075	23.957	60.118
2023	55782	6134.123	1718.637	4415.486	7.916	71.982	728.594	80.557	22.448	58.109
2024	55239	5922.193	1621.484	4300.709	7.786	72.620	715.752	77.179	21.010	56.169
2025	53788	5504.188	1477.525	4026.663	7.486	73.156	803.468	82.789	22.071	60.718
2026	55820	5641.075	1484.021	4157.055	7.447	73.693	830.329	84.526	22.075	62.451
2027	54762	5426.216	1403.611	4022.605	7.346	74.133	811.035	80.982	20.788	60.195
2028	53675	5197.830	1325.669	3872.161	7.214	74.496	791.297	77.249	19.544	57.706
2029	52579	4973.547	1253.006	3720.541	7.076	74.807	771.417	73.590	18.383	55.206
2030	50099	4450.618	1097.404	3353.214	6.693	75.343	868.713	77.952	19.029	58.923
2031	52675	4555.052	1116.784	3438.269	6.527	75.483	911.727	79.674	19.330	60.344
2032	51383	4349.999	1056.899	3293.100	6.409	75.703	887.233	75.939	18.250	57.690
2033	50102	4147.948	1004.941	3143.007	6.273	75.773	862.633	72.237	17.303	54.934
2034	48812	3966.133	954.326	3011.807	6.170	75.938	837.747	68.881	16.379	52.502
2035	45256	3289.064	773.371	2515.693	5.559	76.487	949.209	69.952	16.221	53.732
2036	47148	3313.192	770.552	2542.641	5.393	76.743	989.872	70.572	16.178	54.394
2037	45647	3117.951	721.106	2396.845	5.251	76.872	958.641	66.464	15.144	51.320
2038	44188	2949.775	681.160	2268.615	5.134	76.908	927.517	62.876	14.298	48.578
2039	42786	2766.312	639.612	2126.700	4.971	76.879	896.755	58.905	13.406	45.499

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1359642	104899.750	61012.637	43887.11	3.228	41.837	371.863	28.800	16.687	12.113

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3183.844	23.219	0.071	0.724	469.694	46.342	46.006	0.336
1992	32560	3218.125	3153.416	64.709	0.199	2.011	464.104	45.871	44.948	0.922
1993	32768	3226.680	3104.399	122.282	0.373	3.790	460.481	45.344	43.625	1.719
1994	33006	3277.266	3082.825	194.441	0.589	5.933	456.919	45.370	42.677	2.693
1995	33732	3309.378	3031.272	278.106	0.824	8.404	459.724	45.104	41.313	3.792
1996	33753	3312.987	2937.410	375.577	1.113	11.337	454.033	44.568	39.513	5.055
1997	33704	3267.066	2797.790	469.276	1.392	14.364	447.077	43.341	37.112	6.229
1998	33281	3178.725	2619.868	558.857	1.679	17.581	435.241	41.577	34.262	7.314
1999	33901	3120.351	2470.904	649.447	1.916	20.813	437.361	40.264	31.878	8.386
2000	33840	3142.808	2384.285	758.524	2.242	24.135	431.132	40.050	30.377	9.674
2001	32522	2961.588	2148.391	813.197	2.500	27.458	409.722	37.323	27.066	10.257
2002	32099	2940.627	2027.035	913.592	2.846	31.068	400.392	36.695	25.285	11.411
2003	30593	2819.545	1848.565	970.980	3.174	34.437	378.000	34.855	22.841	12.015
2004	29417	2730.466	1697.949	1032.517	3.510	37.815	359.812	33.417	20.768	12.649
2005	27987	2670.510	1577.577	1092.933	3.905	40.926	338.500	32.322	19.080	13.242
2006	27240	2623.285	1470.728	1152.558	4.231	43.936	326.543	31.474	17.631	13.843
2007	26345	2536.599	1349.972	1186.627	4.504	46.780	312.637	30.131	16.020	14.111
2008	26048	2469.443	1249.922	1219.522	4.682	49.384	305.712	29.015	14.670	14.345
2009	25095	2386.945	1149.713	1237.232	4.930	51.833	291.170	27.730	13.340	14.390
2010	24902	2329.274	1069.516	1259.759	5.059	54.084	285.576	26.750	12.265	14.485
2011	24861	2286.581	997.553	1289.028	5.185	56.374	282.384	26.013	11.331	14.683
2012	24577	2243.311	930.885	1312.426	5.340	58.504	276.245	25.260	10.463	14.797
2013	24536	2176.503	860.260	1316.243	5.365	60.475	272.780	24.245	9.564	14.681
2014	25394	2211.619	834.923	1376.696	5.421	62.248	279.162	24.366	9.179	15.187
2015	26428	2237.016	814.199	1422.816	5.384	63.603	324.660	27.554	10.002	17.552
2016	26860	2229.057	779.919	1449.138	5.395	65.011	326.737	27.194	9.487	17.707
2017	27757	2221.649	749.236	1472.413	5.305	66.276	334.377	26.848	9.026	17.822
2018	25397	1939.420	632.889	1306.531	5.144	67.367	302.959	23.214	7.550	15.665
2019	25584	1904.400	599.921	1304.479	5.099	68.498	302.154	22.574	7.085	15.489
2020	25548	1806.054	552.679	1253.375	4.906	69.399	341.665	24.261	7.391	16.870
2021	25632	1748.172	517.007	1231.165	4.803	70.426	340.203	23.314	6.862	16.452
2022	25737	1701.148	489.228	1211.920	4.709	71.241	338.899	22.515	6.442	16.073
2023	25833	1652.087	464.918	1187.169	4.596	71.859	337.414	21.696	6.073	15.624
2024	25886	1597.127	438.816	1158.311	4.475	72.525	335.414	20.814	5.686	15.128
2025	25501	1467.622	394.834	1072.789	4.207	73.097	380.929	22.075	5.898	16.177
2026	25741	1390.505	367.188	1023.317	3.975	73.593	382.898	20.835	5.462	15.373
2027	25538	1342.095	347.867	994.228	3.893	74.080	378.224	20.030	5.152	14.878
2028	25310	1289.536	329.435	960.101	3.793	74.453	373.129	19.165	4.857	14.308
2029	25069	1242.216	312.922	929.294	3.707	74.809	367.797	18.380	4.591	13.789
2030	24273	1096.803	270.004	826.799	3.406	75.383	420.890	19.210	4.682	14.528
2031	24296	1019.991	249.242	770.748	3.172	75.564	420.531	17.841	4.314	13.527
2032	23961	977.406	236.412	740.994	3.092	75.812	413.745	17.063	4.082	12.981
2033	23618	937.450	225.740	711.709	3.013	75.920	406.634	16.326	3.887	12.439
2034	23249	900.763	215.053	685.710	2.949	76.125	399.017	15.644	3.691	11.953
2035	22111	745.023	174.846	570.177	2.579	76.531	463.754	15.845	3.667	12.178
2036	21285	680.360	157.228	523.131	2.458	76.890	446.880	14.492	3.301	11.191
2037	20785	644.109	148.049	496.060	2.387	77.015	436.503	13.730	3.109	10.621
2038	20284	612.448	140.382	472.066	2.327	77.079	425.770	13.055	2.947	10.108
2039	19792	577.529	132.605	444.925	2.248	77.039	414.822	12.298	2.779	9.518

Results for PHIM for Run 8 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.2 Dual:0.6
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2177055	862051.244	617270.992	244780.3	11.244	28.395	595.425	236.673	168.824	67.849

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11587.387	15.546	0.059	0.134	383.818	167.661	167.437	0.225
1992	26828	11831.375	11789.006	42.368	0.158	0.358	382.401	168.642	168.038	0.604
1993	29774	13246.371	13155.128	91.243	0.306	0.689	418.408	186.148	184.864	1.284
1994	29805	13355.662	13211.233	144.429	0.485	1.081	412.606	184.893	182.891	2.003
1995	29757	13397.439	13182.875	214.564	0.721	1.602	405.548	182.598	179.667	2.931
1996	30903	13960.356	13661.601	298.755	0.967	2.140	415.695	187.801	183.771	4.030
1997	31133	14109.552	13720.906	388.646	1.248	2.754	412.972	187.180	182.007	5.173
1998	32103	14599.657	14091.974	507.683	1.581	3.477	419.838	190.958	184.293	6.665
1999	34626	15728.102	15072.411	655.691	1.894	4.169	446.726	202.950	194.454	8.496
2000	34313	15579.803	14798.778	781.025	2.276	5.013	437.161	198.541	188.542	9.999
2001	34611	15696.614	14756.634	939.980	2.716	5.988	436.032	197.812	185.907	11.905
2002	34315	15519.777	14429.010	1090.767	3.179	7.028	428.034	193.668	179.985	13.684
2003	35104	15888.389	14600.132	1288.257	3.670	8.108	433.748	196.413	180.398	16.015
2004	33548	15091.573	13696.016	1395.557	4.160	9.247	410.335	184.701	167.521	17.180
2005	35437	15803.656	14139.134	1664.522	4.697	10.533	428.606	191.278	171.010	20.268
2006	34033	15100.563	13332.698	1767.865	5.195	11.707	407.977	181.174	159.830	21.345
2007	34060	14974.384	13021.763	1952.620	5.733	13.040	404.187	177.871	154.527	23.344
2008	37502	16406.197	14072.131	2334.067	6.224	14.227	440.145	192.768	165.159	27.608
2009	36912	16083.194	13551.486	2531.708	6.859	15.741	428.284	186.846	157.235	29.611
2010	36886	15927.400	13222.331	2705.069	7.334	16.984	423.005	182.917	151.634	31.283
2011	37748	16221.836	13223.882	2997.953	7.942	18.481	428.750	184.547	150.201	34.346
2012	38392	16358.849	13099.783	3259.066	8.489	19.922	431.530	184.202	147.244	36.959
2013	40259	16994.822	13340.235	3654.587	9.078	21.504	447.585	189.311	148.310	41.001
2014	40246	16855.093	12963.153	3891.941	9.670	23.091	442.447	185.696	142.510	43.186
2015	42389	17572.483	13302.037	4270.446	10.074	24.302	520.729	216.445	163.410	53.034
2016	42814	17579.955	13004.637	4575.318	10.687	26.026	520.812	214.473	158.196	56.277
2017	44600	18080.688	13066.870	5013.819	11.242	27.730	537.275	218.496	157.410	61.086
2018	45623	18209.262	12872.003	5337.259	11.699	29.311	544.240	217.960	153.550	64.410
2019	47173	18648.302	12867.564	5780.738	12.254	30.999	557.125	221.054	151.971	69.084
2020	48663	19002.597	12860.990	6141.607	12.621	32.320	650.797	255.266	171.996	83.270
2021	48696	18885.717	12447.555	6438.163	13.221	34.090	646.337	251.867	165.214	86.653
2022	50103	19235.076	12380.693	6854.383	13.681	35.635	659.749	254.582	163.028	91.553
2023	51517	19521.158	12282.606	7238.552	14.051	37.081	672.893	256.363	160.429	95.934
2024	52873	19918.620	12214.333	7704.287	14.571	38.679	685.098	259.583	158.265	101.318
2025	53906	20150.545	12076.696	8073.849	14.978	40.068	805.233	303.086	180.397	122.689
2026	54797	20393.792	11892.278	8501.515	15.515	41.687	815.119	305.582	176.900	128.682
2027	55658	20615.351	11688.551	8926.800	16.039	43.302	824.301	307.668	173.108	134.560
2028	56463	20731.894	11438.425	9293.469	16.459	44.827	832.397	308.115	168.630	139.485
2029	57228	20781.967	11153.484	9628.483	16.825	46.331	839.627	307.495	163.639	143.856
2030	57504	20753.201	10854.731	9898.470	17.214	47.696	997.106	363.487	188.219	175.268
2031	59111	21048.417	10834.493	10213.92	17.279	48.526	1023.14	368.165	187.530	180.635
2032	59657	21169.329	10604.838	10564.49	17.709	49.905	1030.11	369.560	183.115	186.445
2033	60163	21109.293	10322.122	10787.17	17.930	51.102	1035.86	367.618	177.721	189.898
2034	60594	21109.429	10054.868	11054.56	18.244	52.368	1039.96	366.613	172.567	194.045
2035	59966	20794.840	9690.579	11104.26	18.518	53.399	1257.73	442.268	203.251	239.017
2036	57044	19354.577	8796.024	10558.55	18.510	54.553	1197.62	412.258	184.671	227.586
2037	57026	19064.169	8392.460	10671.71	18.714	55.978	1197.60	406.385	176.251	230.134
2038	56975	18854.812	8081.257	10773.56	18.909	57.140	1195.91	401.900	169.627	232.272
2039	56916	18437.457	7676.500	10760.96	18.907	58.365	1192.91	392.602	160.894	231.708

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Control File Details for Run: 9

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.3
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_1
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 9, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 9, Scenario: Ecig

Table with 2 columns: Variable Parameter and Value. Parameters include Country (US), Sex (Males), Assumption Set (ISS3), and Note (Period is in Months).

Main data table with columns: Age, Period, Initiation (Never CC, Never Ecig, Never Dual), Cessation (CC Former, Ecig Former, Dual Former), and Re-initiation (Former CC, Former Ecig, Former Dual). Rows list age groups and periods with corresponding numerical values.

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 9, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 9, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	11508	12.47	0	0.00			
5	All Ages	Ecig	15517	16.81					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26897	29.14			15.19	1705	6.34
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	320	9.03	0	0.00			
5	18-19	Ecig	659	18.59					
5	18-19	Dual	0	0.00					
5	18-19	Former	117	3.30			1.11	80	68.38
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	946	10.46	0	0.00			
5	20-24	Ecig	1826	20.20					
5	20-24	Dual	0	0.00					
5	20-24	Former	481	5.32			2.81	142	29.52
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	1942	19.78					
5	25-29	Dual	0	0.00					
5	25-29	Former	1148	11.70			5.43	115	10.02
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

5	30-34	Never Any	5065	47.50					
5	30-34	CC	1480	13.88	0	0.00			
5	30-34	Ecig	2319	21.75					
5	30-34	Dual	0	0.00					
5	30-34	Former	1800	16.88			6.94	106	5.89
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2275	20.84					
5	35-39	Dual	0	0.00					
5	35-39	Former	2421	22.18			8.20	114	4.71
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1894	19.15					
5	40-44	Dual	0	0.00					
5	40-44	Former	2774	28.05			12.06	130	4.69
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1562	18.05					
5	45-49	Dual	0	0.00					
5	45-49	Former	2945	34.03			14.20	148	5.03
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	1015	15.58					
5	50-54	Dual	0	0.00					
5	50-54	Former	2641	40.54			15.98	175	6.63
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	762	13.91					
5	55-59	Dual	0	0.00					
5	55-59	Former	2364	43.16			17.21	122	5.16
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	572	11.48					
5	60-64	Dual	0	0.00					
5	60-64	Former	2477	49.71			17.27	143	5.77
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	360	7.34					
5	65-69	Dual	0	0.00					
5	65-69	Former	2899	59.10			20.44	196	6.76
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	196	4.47					
5	70-74	Dual	0	0.00					
5	70-74	Former	2730	62.23			22.00	137	5.02
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	135	3.86					
5	75-79	Dual	0	0.00					
5	75-79	Former	2100	60.02			23.02	97	4.62
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	4843	5.15	0	0.00			
10	All Ages	Ecig	20724	22.03					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29348	31.19			16.84	1724	5.87
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	462	5.22	0	0.00			
10	20-24	Ecig	2544	28.76					
10	20-24	Dual	0	0.00					
10	20-24	Former	912	10.31			3.41	258	28.29
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	404	4.47	0	0.00			
10	25-29	Ecig	2359	26.10					
10	25-29	Dual	0	0.00					
10	25-29	Former	936	10.35			4.91	195	20.83
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	481	4.90	0	0.00			
10	30-34	Ecig	2608	26.57					
10	30-34	Dual	0	0.00					
10	30-34	Former	1451	14.78			8.66	118	8.13
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	2980	27.94					
10	35-39	Dual	0	0.00					
10	35-39	Former	2078	19.49			10.61	109	5.25
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	2857	26.17					
10	40-44	Dual	0	0.00					
10	40-44	Former	2768	25.36			11.82	124	4.48
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2312	23.38					
10	45-49	Dual	0	0.00					
10	45-49	Former	3152	31.87			15.25	163	5.17
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	1859	21.48					
10	50-54	Dual	0	0.00					
10	50-54	Former	3411	39.41			16.85	186	5.45
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1194	18.33					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		3039	46.65			18.50	146	4.80
10	60-64	Never Any		1611	29.41					
10	60-64	CC		306	5.59	0	0.00			
10	60-64	Ecig		852	15.56					
10	60-64	Dual		0	0.00					
10	60-64	Former		2708	49.44			19.63	144	5.32
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		244	4.90	0	0.00			
10	65-69	Ecig		603	12.10					
10	65-69	Dual		0	0.00					
10	65-69	Former		2799	56.17			19.95	120	4.29
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		236	4.81	0	0.00			
10	70-74	Ecig		327	6.67					
10	70-74	Dual		0	0.00					
10	70-74	Former		3173	64.69			23.44	94	2.96
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		214	4.88	0	0.00			
10	75-79	Ecig		229	5.22					
10	75-79	Dual		0	0.00					
10	75-79	Former		2921	66.58			25.38	67	2.29
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		1911	2.13	0	0.00			
15	All Ages	Ecig		20003	22.30					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		30342	33.82			18.46	1574	5.19
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		179	2.02	0	0.00			
15	25-29	Ecig		2661	30.08					
15	25-29	Dual		0	0.00					
15	25-29	Former		1371	15.50			6.32	174	12.69
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		153	1.69	0	0.00			
15	30-34	Ecig		2479	27.42					
15	30-34	Dual		0	0.00					
15	30-34	Former		1366	15.11			7.38	171	12.52
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		188	1.92	0	0.00			

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15	35-39	Ecig	2654	27.04					
15	35-39	Dual	0	0.00					
15	35-39	Former	1811	18.45			11.33	147	8.12
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	2948	27.64					
15	40-44	Dual	0	0.00					
15	40-44	Former	2488	23.33			13.32	199	8.00
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	2793	25.59					
15	45-49	Dual	0	0.00					
15	45-49	Former	3183	29.16			14.88	160	5.03
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	2180	22.04					
15	50-54	Dual	0	0.00					
15	50-54	Former	3555	35.95			18.19	154	4.33
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	1781	20.58					
15	55-59	Dual	0	0.00					
15	55-59	Former	3747	43.29			20.09	117	3.12
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	1100	16.88					
15	60-64	Dual	0	0.00					
15	60-64	Former	3353	51.47			21.47	156	4.65
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	705	12.87					
15	65-69	Dual	0	0.00					
15	65-69	Former	3037	55.45			22.19	118	3.89
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	441	8.85					
15	70-74	Dual	0	0.00					
15	70-74	Former	3076	61.73			22.89	112	3.64
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	261	5.32					
15	75-79	Dual	0	0.00					
15	75-79	Former	3355	68.40			27.01	66	1.97
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	738	0.87	0	0.00			
20	All Ages	Ecig	17076	20.14					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	30883	36.42			19.82	1518	4.92
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	71	0.80	0	0.00			
20	30-34	Ecig	2376	26.86					
20	30-34	Dual	0	0.00					
20	30-34	Former	1890	21.37			8.72	230	12.17
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	59	0.65	0	0.00			
20	35-39	Ecig	2154	23.83					
20	35-39	Dual	0	0.00					
20	35-39	Former	1836	20.31			9.77	141	7.68
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2416	24.61					
20	40-44	Dual	0	0.00					
20	40-44	Former	2169	22.10			13.96	143	6.59
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	2619	24.56					
20	45-49	Dual	0	0.00					
20	45-49	Former	2959	27.75			15.74	171	5.78
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2490	22.81					
20	50-54	Dual	0	0.00					
20	50-54	Former	3615	33.12			17.75	174	4.81
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	1859	18.80					
20	55-59	Dual	0	0.00					
20	55-59	Former	4004	40.49			20.81	181	4.52
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1428	16.50					
20	60-64	Dual	0	0.00					
20	60-64	Former	4228	48.85			22.41	241	5.70
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	809	12.42					
20	65-69	Dual	0	0.00					
20	65-69	Former	3727	57.21			24.03	133	3.57
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	574	10.48					
20	70-74	Dual	0	0.00					
20	70-74	Former	3223	58.85			25.75	61	1.89
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	351	7.04					
20	75-79	Dual	0	0.00					
20	75-79	Former	3232	64.86			26.66	43	1.33
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	289	0.36	0	0.00			
25	All Ages	Ecig	14107	17.67					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	30674	38.43			21.87	1088	3.55
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	28	0.32	0	0.00			
25	35-39	Ecig	1990	22.50					
25	35-39	Dual	0	0.00					
25	35-39	Former	2338	26.43			11.53	142	6.07
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	20	0.22	0	0.00			
25	40-44	Ecig	1897	20.98					
25	40-44	Dual	0	0.00					

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Year of Follow-up: 2015, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Former		2132	23.58			13.01	112	5.25
25	45-49	Never Any		5163	52.60					
25	45-49	CC		29	0.30	0	0.00			
25	45-49	Ecig		2195	22.36					
25	45-49	Dual		0	0.00					
25	45-49	Former		2429	24.75			17.18	81	3.33
Year of Follow-up: 2015, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any		4997	46.86					
25	50-54	CC		37	0.35	0	0.00			
25	50-54	Ecig		2387	22.38					
25	50-54	Dual		0	0.00					
25	50-54	Former		3243	30.41			19.10	130	4.01
Year of Follow-up: 2015, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any		4724	43.28					
25	55-59	CC		33	0.30	0	0.00			
25	55-59	Ecig		2103	19.27					
25	55-59	Dual		0	0.00					
25	55-59	Former		4056	37.16			20.50	162	3.99
Year of Follow-up: 2015, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any		3941	39.85					
25	60-64	CC		28	0.28	0	0.00			
25	60-64	Ecig		1443	14.59					
25	60-64	Dual		0	0.00					
25	60-64	Former		4477	45.27			23.28	205	4.58
Year of Follow-up: 2015, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any		2912	33.65					
25	65-69	CC		43	0.50	0	0.00			
25	65-69	Ecig		1019	11.77					
25	65-69	Dual		0	0.00					
25	65-69	Former		4681	54.08			24.99	134	2.86
Year of Follow-up: 2015, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any		1919	29.46					
25	70-74	CC		35	0.54	0	0.00			
25	70-74	Ecig		616	9.46					
25	70-74	Dual		0	0.00					
25	70-74	Former		3945	60.55			27.55	70	1.77
Year of Follow-up: 2015, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any		1611	29.41					
25	75-79	CC		36	0.66	0	0.00			
25	75-79	Ecig		457	8.34					
25	75-79	Dual		0	0.00					
25	75-79	Former		3373	61.58			29.48	52	1.54
Year of Follow-up: 2020, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any		33136	44.57					
30	All Ages	CC		100	0.13	0	0.00			
30	All Ages	Ecig		11358	15.28					
30	All Ages	Dual		0	0.00					
30	All Ages	Former		29746	40.01			23.97	918	3.09
Year of Follow-up: 2020, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any		0	.					
30	18-19	CC		0	.	0	.			
30	18-19	Ecig		0	.					
30	18-19	Dual		0	.					
30	18-19	Former		0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any		0	.					
30	20-24	CC		0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	12	0.14	0	0.00			
30	40-44	Ecig	1743	19.71					
30	40-44	Dual	0	0.00					
30	40-44	Former	2601	29.41			15.05	107	4.11
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	5	0.06	0	0.00			
30	45-49	Ecig	1690	18.69					
30	45-49	Dual	0	0.00					
30	45-49	Former	2354	26.04			16.54	63	2.68
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	2021	20.59					
30	50-54	Dual	0	0.00					
30	50-54	Former	2623	26.72			20.66	99	3.77
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	2002	18.77					
30	55-59	Dual	0	0.00					
30	55-59	Former	3647	34.20			21.65	157	4.30
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	1614	14.79					
30	60-64	Dual	0	0.00					
30	60-64	Former	4568	41.85			22.87	203	4.44
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	1039	10.51					
30	65-69	Dual	0	0.00					
30	65-69	Former	4896	49.51			26.05	145	2.96
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	770	8.90					
30	70-74	Dual	0	0.00					
30	70-74	Former	4955	57.25			28.45	93	1.88
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	479	7.35					
30	75-79	Dual	0	0.00					
30	75-79	Former	4102	62.96			31.39	51	1.24
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	38	0.06	0	0.00			
35	All Ages	Ecig	8864	13.07					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	27706	40.85			25.87	785	2.83
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	7	0.08	0	0.00			
35	45-49	Ecig	1541	17.42					
35	45-49	Dual	0	0.00					
35	45-49	Former	2808	31.75			18.76	60	2.14
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	3	0.03	0	0.00			
35	50-54	Ecig	1554	17.19					
35	50-54	Dual	0	0.00					
35	50-54	Former	2492	27.57			20.44	75	3.01
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1664	16.95					
35	55-59	Dual	0	0.00					
35	55-59	Former	2989	30.45			22.76	155	5.19
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	1532	14.37					
35	60-64	Dual	0	0.00					
35	60-64	Former	4126	38.69			23.79	186	4.51
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	1169	10.71					
35	65-69	Dual	0	0.00					
35	65-69	Former	5018	45.97			25.57	158	3.15
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	811	8.20					
35	70-74	Dual	0	0.00					
35	70-74	Former	5132	51.90			29.73	79	1.54
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	593	6.85					
35	75-79	Dual	0	0.00					
35	75-79	Former	5141	59.40			32.31	72	1.40
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	15	0.03	0	0.00			
40	All Ages	Ecig	6535	11.04					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	24315	41.09			27.43	691	2.84
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	30-34	Never Any		0	.				0	.
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 55-59										
40	50-54	Never Any		4489	50.75					
40	50-54	CC		3	0.03	0	0.00			
40	50-54	Ecig		1392	15.74					
40	50-54	Dual		0	0.00					
40	50-54	Former		2961	33.48			22.61	80	2.70
Year of Follow-up: 2030, Age Group: 60-64										
40	55-59	Never Any		4991	55.21					
40	55-59	CC		2	0.02	0	0.00			
40	55-59	Ecig		1291	14.28					
40	55-59	Dual		0	0.00					
40	55-59	Former		2756	30.49			23.19	114	4.14
Year of Follow-up: 2030, Age Group: 65-69										
40	60-64	Never Any		5163	52.60					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		1238	12.61					
40	60-64	Dual		0	0.00					
40	60-64	Former		3415	34.79			24.53	183	5.36
Year of Follow-up: 2030, Age Group: 70-74										
40	65-69	Never Any		4997	46.86					
40	65-69	CC		4	0.04	0	0.00			
40	65-69	Ecig		1119	10.49					
40	65-69	Dual		0	0.00					
40	65-69	Former		4544	42.61			26.35	136	2.99
Year of Follow-up: 2030, Age Group: 75-79										
40	70-74	Never Any		4724	43.28					
40	70-74	CC		3	0.03	0	0.00			
40	70-74	Ecig		880	8.06					
40	70-74	Dual		0	0.00					
40	70-74	Former		5309	48.64			29.01	95	1.79
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		3941	39.85					
40	75-79	CC		3	0.03	0	0.00			

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

40	75-79	Ecig	615	6.22					
40	75-79	Dual	0	0.00					
40	75-79	Former	5330	53.90			33.51	83	1.56
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	6	0.01	0	0.00			
45	All Ages	Ecig	4578	9.29					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	20333	41.26			28.82	538	2.65
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

45	55-59	Never Any	4489	50.75					
45	55-59	CC	2	0.02	0	0.00			
45	55-59	Ecig	1171	13.24					
45	55-59	Dual	0	0.00					
45	55-59	Former	3183	35.99			25.82	100	3.14
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	1020	11.28					
45	60-64	Dual	0	0.00					
45	60-64	Former	3029	33.51			25.81	129	4.26
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	902	9.19					
45	65-69	Dual	0	0.00					
45	65-69	Former	3751	38.21			27.09	106	2.83
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	850	7.97					
45	70-74	Dual	0	0.00					
45	70-74	Former	4816	45.16			29.70	104	2.16
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	635	5.82					
45	75-79	Dual	0	0.00					
45	75-79	Former	5554	50.88			32.60	99	1.78
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	2868	7.48					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	15856	41.33			30.34	408	2.57
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	865	9.78					
50	60-64	Dual	0	0.00					
50	60-64	Former	3491	39.47			28.27	129	3.70
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	705	7.80					
50	65-69	Dual	0	0.00					
50	65-69	Former	3344	36.99			28.11	120	3.59
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	665	6.77					
50	70-74	Dual	0	0.00					
50	70-74	Former	3988	40.63			30.31	80	2.01
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	633	5.94					
50	75-79	Dual	0	0.00					
50	75-79	Former	5033	47.20			33.29	79	1.57

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13148871	4509390.583	3515835.120	993555.5	7.556	22.033	3806.31	1305.37	1017.76	287.613

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	0.000
1991	313217	123999.442	123686.342	313.101	0.100	0.253	4883.81	1933.45	4.882
1992	308577	122014.015	121186.599	827.416	0.268	0.678	4729.73	1870.18	12.682
1993	311713	122810.618	121268.308	1542.310	0.495	1.256	4692.62	1848.83	23.218
1994	305700	119925.592	117575.794	2349.798	0.769	1.959	4516.19	1771.69	34.714
1995	303225	117896.496	114608.616	3287.880	1.084	2.789	4393.80	1708.35	47.642
1996	299559	115698.645	111386.884	4311.761	1.439	3.727	4273.16	1650.42	61.507
1997	294226	113359.847	108027.784	5332.062	1.812	4.704	4128.67	1590.70	74.821
1998	289258	111444.212	105087.407	6356.805	2.198	5.704	3992.19	1538.10	87.733
1999	311002	114877.722	106425.909	8451.812	2.718	7.357	4224.60	1560.48	114.808
2000	303786	112379.704	102802.108	9577.596	3.153	8.523	4066.21	1504.22	128.197
2001	296294	110024.943	99218.560	10806.38	3.647	9.822	3914.28	1453.52	142.761
2002	291898	108289.173	96127.981	12161.19	4.166	11.230	3813.00	1414.56	158.859
2003	285865	106539.023	93195.782	13343.24	4.668	12.524	3695.36	1377.22	172.487
2004	274177	103037.251	88811.267	14225.98	5.189	13.807	3506.10	1317.61	181.918
2005	272379	103044.562	87561.392	15483.17	5.684	15.026	3442.69	1302.41	195.697
2006	264118	99672.555	83135.691	16536.86	6.261	16.591	3307.76	1248.28	207.104
2007	258419	97839.152	80417.422	17421.73	6.742	17.807	3203.20	1212.75	215.949
2008	259461	98075.852	79544.783	18531.07	7.142	18.895	3180.09	1202.07	227.127
2009	253907	95617.338	76325.548	19291.79	7.598	20.176	3075.31	1158.11	233.661
2010	251878	94607.988	74470.829	20137.16	7.995	21.285	3013.72	1131.98	240.941
2011	251779	93633.119	72433.944	21199.18	8.420	22.641	2982.76	1109.25	251.141
2012	252643	92775.175	70536.487	22238.69	8.802	23.971	2960.61	1087.19	260.605
2013	256175	92345.780	69038.109	23307.67	9.098	25.240	2967.76	1069.82	270.017
2014	257393	91379.215	67190.099	24189.12	9.398	26.471	2947.05	1046.26	276.956
2015	259782	90750.242	65802.274	24947.97	9.603	27.491	3346.10	1168.90	321.340
2016	261453	88811.996	63093.190	25718.81	9.837	28.959	3336.15	1133.24	328.173
2017	263685	87325.126	60859.796	26465.33	10.037	30.307	3333.85	1104.08	334.609
2018	258714	87612.144	60651.529	26960.61	10.421	30.773	3240.73	1097.46	337.717
2019	261438	87797.760	59950.666	27847.09	10.652	31.717	3242.99	1089.08	345.428
2020	262288	87221.042	58897.257	28323.79	10.799	32.474	3715.29	1235.48	401.204
2021	255079	82001.292	53965.121	28036.17	10.991	34.190	3587.82	1153.39	394.343
2022	257097	81915.977	53039.953	28876.02	11.232	35.251	3588.53	1143.37	403.049
2023	259080	81810.810	52164.950	29645.86	11.443	36.237	3586.88	1132.64	410.438
2024	260719	81528.303	51259.243	30269.06	11.610	37.127	3579.65	1119.38	415.592
2025	257308	79599.213	49634.397	29964.82	11.646	37.645	4112.08	1272.09	478.872
2026	251528	75082.462	45609.995	29472.47	11.717	39.253	4003.24	1194.99	469.074
2027	250988	74444.425	44496.200	29948.22	11.932	40.229	3976.53	1179.46	474.485
2028	250285	73699.585	43304.383	30395.20	12.144	41.242	3945.35	1161.76	479.133
2029	249525	72819.703	42097.735	30721.97	12.312	42.189	3910.99	1141.36	481.528
2030	240528	69309.277	39855.909	29453.37	12.245	42.496	4504.36	1297.95	551.571
2031	235442	65433.368	36694.727	28738.64	12.206	43.920	4397.65	1222.18	536.788
2032	234017	64643.552	35597.799	29045.75	12.412	44.932	4356.12	1203.31	540.673
2033	232559	63793.514	34624.315	29169.20	12.543	45.724	4310.93	1182.54	540.708
2034	230963	63032.151	33674.973	29357.18	12.711	46.575	4260.75	1162.80	541.573
2035	215822	57653.301	30912.841	26740.46	12.390	46.381	4924.38	1315.47	610.135
2036	208183	52988.733	27398.234	25590.50	12.292	48.294	4748.94	1208.75	583.754
2037	205491	52026.921	26409.194	25617.73	12.467	49.239	4682.40	1185.50	583.734
2038	202834	50943.211	25413.764	25529.45	12.586	50.114	4612.18	1158.38	580.507
2039	200251	50085.991	24589.967	25496.02	12.732	50.905	4538.65	1135.19	577.863

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1939845.841	305142.3	9.952	13.592	887.537	649.875	561.543	88.332

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62882.368	36.034	0.046	0.057	1223.41	981.049	980.488	0.562
1992	77987	62366.766	62271.861	94.905	0.122	0.152	1195.35	955.930	954.475	1.455
1993	78542	62652.888	62467.207	185.680	0.236	0.296	1182.39	943.195	940.399	2.795
1994	77437	61565.227	61275.226	290.001	0.374	0.471	1144.00	909.520	905.236	4.284
1995	76904	60851.961	60431.772	420.189	0.546	0.691	1114.36	881.759	875.670	6.089
1996	76232	60122.922	59539.910	583.011	0.765	0.970	1087.44	857.643	849.326	8.317
1997	75473	59237.155	58482.285	754.870	1.000	1.274	1059.06	831.234	820.642	10.593
1998	75381	58906.696	57935.987	970.709	1.288	1.648	1040.37	813.001	799.603	13.397
1999	73159	56930.073	55754.929	1175.144	1.606	2.064	993.781	773.329	757.366	15.963
2000	73784	57137.121	55702.138	1434.983	1.945	2.511	987.608	764.787	745.580	19.207
2001	73294	56481.726	54749.070	1732.657	2.364	3.068	968.273	746.169	723.280	22.890
2002	72442	55588.365	53553.435	2034.930	2.809	3.661	946.293	726.138	699.556	26.582
2003	71942	54945.856	52582.178	2363.679	3.286	4.302	929.989	710.281	679.726	30.555
2004	71301	54203.126	51472.015	2731.111	3.830	5.039	911.778	693.135	658.210	34.925
2005	70964	53744.603	50649.954	3094.649	4.361	5.758	896.937	679.296	640.181	39.114
2006	69658	52535.572	49062.097	3473.474	4.986	6.612	872.383	657.945	614.444	43.501
2007	68565	51492.124	47652.574	3839.549	5.600	7.457	849.888	638.264	590.671	47.593
2008	68226	51030.736	46758.537	4272.199	6.262	8.372	836.215	625.460	573.098	52.362
2009	67509	50276.199	45571.616	4704.583	6.969	9.357	817.667	608.943	551.962	56.982
2010	67196	49840.933	44710.606	5130.326	7.635	10.293	804.000	596.347	534.962	61.384
2011	66506	49072.841	43477.197	5595.644	8.414	11.403	787.880	581.354	515.064	66.290
2012	66155	48539.512	42448.724	6090.788	9.207	12.548	775.240	568.812	497.437	71.375
2013	65333	47675.741	41156.667	6519.074	9.978	13.674	756.876	552.318	476.796	75.523
2014	65033	47194.534	40225.152	6969.382	10.717	14.767	744.602	540.359	460.562	79.797
2015	64145	46305.842	38970.003	7335.839	11.436	15.842	726.215	526.439	501.950	94.489
2016	61618	44208.867	36698.734	7510.133	12.188	16.988	786.248	564.107	468.277	95.830
2017	59897	42702.624	34944.287	7758.337	12.953	18.168	757.297	539.903	441.812	98.091
2018	62468	44321.202	35675.999	8645.203	13.839	19.506	782.490	555.181	446.888	108.292
2019	63045	44493.088	35272.135	9220.953	14.626	20.724	782.035	551.912	437.531	114.381
2020	63466	44529.551	34771.991	9757.560	15.374	21.913	898.991	630.757	492.542	138.215
2021	57113	39852.556	30611.817	9240.739	16.180	23.187	803.323	560.546	430.571	129.976
2022	57440	39853.685	30079.020	9774.665	17.017	24.526	801.745	556.274	419.840	136.434
2023	57738	39847.050	29563.079	10283.97	17.811	25.809	799.366	551.670	409.292	142.378
2024	57942	39726.010	29001.562	10724.45	18.509	26.996	795.539	545.435	398.190	147.246
2025	57521	39207.348	28203.403	11003.94	19.130	28.066	919.257	626.579	450.723	175.856
2026	51428	34803.960	24608.556	10195.40	19.825	29.294	818.510	553.929	391.662	162.267
2027	51172	34484.595	23942.017	10542.58	20.602	30.572	810.740	546.357	379.325	167.031
2028	50870	34100.638	23249.173	10851.47	21.332	31.822	801.884	537.544	366.487	171.057
2029	50540	33669.838	22548.352	11121.49	22.005	33.031	792.146	527.732	353.417	174.315
2030	49109	32557.688	21496.578	11061.11	22.524	33.974	919.662	609.705	402.565	207.141
2031	43585	28646.393	18626.511	10019.88	22.989	34.978	814.096	535.065	347.911	187.154
2032	43163	28227.160	18019.707	10207.45	23.649	36.162	803.454	525.435	335.428	190.007
2033	42725	27786.623	17478.802	10307.82	24.126	37.096	791.996	515.079	324.003	191.075
2034	42256	27348.299	16935.489	10412.81	24.642	38.075	779.523	504.514	312.421	192.093
2035	39748	25570.077	15700.894	9869.183	24.829	38.597	906.933	583.430	358.246	225.184
2036	34030	21717.319	13045.800	8671.520	25.482	39.929	776.269	495.402	297.593	197.809
2037	33454	21256.024	12536.354	8719.670	26.065	41.022	762.289	484.347	285.658	198.689
2038	32883	20747.175	12040.422	8706.753	26.478	41.966	747.720	471.764	273.784	197.980
2039	32325	20327.688	11625.914	8701.774	26.920	42.807	732.644	460.724	263.499	197.224

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	6360041	1098877.421	695456.737	403420.7	6.343	36.712	1841.09	318.101	201.320	116.782

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	37079.370	230.467	0.137	0.618	2620.21	581.750	578.157	3.594
1992	164548	36137.488	35524.865	612.622	0.372	1.695	2522.12	553.899	544.509	9.390
1993	164362	35599.588	34474.826	1124.761	0.684	3.159	2474.35	535.926	518.994	16.932
1994	159866	34336.757	32635.456	1701.302	1.064	4.955	2361.75	507.267	482.133	25.134
1995	158083	33455.759	31097.578	2358.181	1.492	7.049	2290.66	484.782	450.611	34.171
1996	154875	32193.824	29146.645	3047.179	1.968	9.465	2209.26	459.239	415.772	43.467
1997	149970	30665.509	26957.902	3707.608	2.472	12.090	2104.43	430.308	378.282	52.026
1998	145407	29188.430	24868.385	4320.046	2.971	14.801	2006.83	402.844	343.221	59.623
1999	165952	33375.386	27395.825	5979.561	3.603	17.916	2254.27	453.366	372.141	81.225
2000	160260	32024.754	25370.628	6654.126	4.152	20.778	2145.10	428.655	339.589	89.066
2001	154444	30682.393	23316.924	7365.469	4.769	24.006	2040.33	405.339	308.035	97.304
2002	151887	30218.370	22025.109	8193.261	5.394	27.114	1984.06	394.736	287.709	107.027
2003	146733	29175.202	20381.311	8793.891	5.993	30.142	1896.81	377.146	263.468	113.678
2004	138381	27488.687	18376.102	9112.585	6.585	33.150	1769.58	351.518	234.989	116.529
2005	135881	27017.439	17327.284	9690.155	7.131	35.866	1717.44	341.482	219.005	122.477
2006	131922	26231.435	16055.486	10175.95	7.714	38.793	1652.16	328.517	201.076	127.442
2007	126502	25103.049	14716.791	10386.26	8.210	41.374	1568.04	311.161	182.420	128.741
2008	125859	24621.740	13906.206	10715.53	8.514	43.521	1542.60	301.777	170.442	131.335
2009	122428	23741.177	12909.186	10831.99	8.848	45.625	1482.84	287.552	156.356	131.197
2010	120537	23189.160	12181.657	11007.50	9.132	47.468	1442.22	277.458	145.753	131.705
2011	120221	22786.927	11522.742	11264.19	9.370	49.433	1424.23	269.951	136.507	133.444
2012	120927	22485.295	10979.148	11506.15	9.515	51.172	1417.09	263.495	128.660	134.835
2013	122648	22251.884	10522.481	11729.40	9.563	52.712	1420.86	257.786	121.902	135.884
2014	123229	21894.593	10040.675	11853.92	9.619	54.141	1410.92	250.685	114.962	135.723
2015	123774	21471.109	9592.703	11878.41	9.597	55.323	1594.26	276.557	123.558	152.999
2016	126218	21411.568	9303.942	12107.63	9.593	56.547	1610.55	273.213	118.719	154.494
2017	128265	21169.399	8954.168	12215.23	9.523	57.702	1621.69	267.651	113.210	154.441
2018	121429	19830.576	8181.121	11649.45	9.594	58.745	1521.05	248.404	102.479	145.925
2019	121832	19431.014	7858.830	11572.18	9.498	59.555	1511.26	241.031	97.484	143.546
2020	120811	18532.612	7350.396	11182.22	9.256	60.338	1711.27	262.513	104.118	158.395
2021	119407	18234.128	7077.051	11157.08	9.344	61.188	1679.51	256.472	99.542	156.930
2022	119438	17812.559	6770.020	11042.54	9.245	61.993	1667.10	248.626	94.495	154.131
2023	119445	17361.668	6477.108	10884.56	9.113	62.693	1653.68	240.367	89.674	150.693
2024	119305	16929.676	6224.113	10705.56	8.973	63.235	1638.05	232.443	85.457	146.987
2025	115685	15501.666	5616.057	9885.609	8.545	63.771	1848.78	247.735	89.751	157.983
2026	115073	15523.814	5570.029	9953.785	8.650	64.119	1831.46	247.072	88.651	158.421
2027	113989	15073.070	5351.195	9721.875	8.529	64.498	1805.98	238.810	84.782	154.029
2028	112855	14636.710	5123.861	9512.849	8.429	64.993	1778.98	230.725	80.770	149.955
2029	111718	14180.166	4918.857	9261.309	8.290	65.312	1751.04	222.256	77.097	145.159
2030	104851	12111.772	4150.549	7961.224	7.593	65.731	1963.54	226.816	77.727	149.089
2031	105289	12417.367	4242.401	8174.965	7.764	65.835	1966.62	231.935	79.241	152.694
2032	103879	12054.064	4066.241	7987.824	7.690	66.267	1933.67	224.381	75.691	148.689
2033	102485	11672.389	3886.325	7786.064	7.597	66.705	1899.76	216.370	72.041	144.330
2034	101070	11365.762	3764.492	7601.269	7.521	66.879	1864.51	209.673	69.446	140.226
2035	90820	8580.360	2793.771	5786.589	6.371	67.440	2072.23	195.777	63.745	132.032
2036	92117	8948.841	2891.792	6057.048	6.575	67.685	2101.31	204.135	65.966	138.170
2037	90327	8624.570	2782.918	5841.652	6.467	67.733	2058.21	196.522	63.412	133.110
2038	88590	8315.017	2647.447	5667.569	6.398	68.161	2014.42	189.073	60.200	128.873
2039	86921	8001.132	2537.041	5464.090	6.286	68.291	1970.05	181.344	57.502	123.843

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	1489699	149918.462	93101.617	56816.85	3.814	37.898	431.236	43.398	26.951	16.447

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	0.000	
1991	32619	4555.566	4525.781	29.785	0.091	0.654	508.609	71.032	70.568	0.464
1992	32100	4453.572	4376.620	76.952	0.240	1.728	492.014	68.262	67.083	1.179
1993	32896	4462.473	4317.793	144.681	0.440	3.242	495.226	67.179	65.001	2.178
1994	33323	4499.513	4272.786	226.728	0.680	5.039	492.290	66.473	63.123	3.350
1995	33569	4472.774	4152.667	320.107	0.954	7.157	486.422	64.812	60.173	4.638
1996	33870	4406.878	3983.857	423.021	1.249	9.599	483.150	62.863	56.829	6.034
1997	33516	4288.158	3760.758	527.400	1.574	12.299	470.307	60.173	52.772	7.401
1998	32795	4120.148	3498.103	622.046	1.897	15.098	452.620	56.864	48.279	8.585
1999	33375	3982.443	3265.758	716.684	2.147	17.996	453.361	54.097	44.362	9.735
2000	33459	4021.411	3183.701	837.711	2.504	20.831	447.853	53.827	42.614	11.213
2001	32275	3848.092	2928.657	919.435	2.849	23.893	426.379	50.836	38.690	12.146
2002	31586	3783.081	2769.294	1013.787	3.210	26.798	412.601	49.418	36.175	13.243
2003	30985	3754.415	2637.833	1116.582	3.604	29.741	400.541	48.533	34.099	14.434
2004	29884	3666.274	2470.486	1195.788	4.001	32.616	382.149	46.883	31.592	15.291
2005	28708	3589.688	2318.893	1270.796	4.427	35.401	362.850	45.371	29.309	16.062
2006	28188	3596.985	2222.951	1374.033	4.875	38.200	353.021	45.048	27.840	17.208
2007	28026	3560.798	2109.630	1451.168	5.178	40.754	347.392	44.137	26.150	17.988
2008	27128	3417.001	1944.970	1472.032	5.426	43.080	332.495	41.881	23.839	18.042
2009	27068	3394.390	1859.409	1534.981	5.671	45.221	327.847	41.113	22.521	18.592
2010	26911	3340.137	1767.271	1572.866	5.845	47.090	321.990	39.965	21.145	18.819
2011	26959	3285.435	1677.965	1607.469	5.963	48.927	319.377	38.922	19.878	19.043
2012	27057	3259.209	1603.218	1655.991	6.120	50.810	317.068	38.193	18.787	19.406
2013	27904	3274.703	1555.598	1719.105	6.161	52.497	323.265	37.937	18.021	19.916
2014	28792	3298.083	1514.314	1783.769	6.195	54.085	329.657	37.762	17.338	20.423
2015	29560	3244.406	1447.339	1797.067	6.079	55.390	380.745	41.789	18.642	23.147
2016	30513	3314.836	1439.441	1875.395	6.146	56.576	389.347	42.297	18.367	23.930
2017	31416	3333.314	1406.065	1927.249	6.135	57.818	397.202	42.144	17.777	24.367
2018	29348	2925.242	1203.539	1721.703	5.866	58.857	367.626	36.642	15.076	21.567
2019	29598	2864.628	1153.615	1711.013	5.781	59.729	367.149	35.534	14.310	21.224
2020	29592	2730.366	1078.214	1652.152	5.583	60.510	419.174	38.675	15.273	23.403
2021	30097	2647.911	1022.256	1625.655	5.401	61.394	423.328	37.244	14.379	22.866
2022	30304	2586.165	976.082	1610.082	5.313	62.258	422.974	36.097	13.624	22.473
2023	30505	2517.960	933.117	1584.843	5.195	62.942	422.337	34.860	12.919	21.942
2024	30661	2454.161	895.003	1559.158	5.085	63.531	420.968	33.695	12.288	21.407
2025	30254	2275.364	816.544	1458.820	4.822	64.114	483.488	36.363	13.049	23.314
2026	30685	2183.166	774.219	1408.947	4.592	64.537	488.380	34.747	12.322	22.424
2027	30561	2112.345	741.111	1371.233	4.487	64.915	484.196	33.467	11.742	21.725
2028	30412	2046.677	709.664	1337.013	4.396	65.326	479.392	32.263	11.187	21.076
2029	30254	1977.671	679.333	1298.339	4.291	65.650	474.195	30.997	10.648	20.350
2030	29330	1744.457	592.740	1151.717	3.927	66.021	549.260	32.668	11.100	21.568
2031	28976	1653.738	556.716	1097.022	3.786	66.336	541.223	30.889	10.398	20.490
2032	28724	1603.120	530.634	1072.486	3.734	66.900	534.690	29.841	9.878	19.964
2033	28464	1548.245	507.913	1040.332	3.655	67.194	527.627	28.700	9.415	19.285
2034	28178	1511.985	490.865	1021.120	3.624	67.535	519.826	27.893	9.055	18.837
2035	26737	1239.866	399.501	840.365	3.143	67.779	610.065	28.290	9.115	19.175
2036	25591	1182.522	377.022	805.500	3.148	68.117	583.762	26.975	8.600	18.375
2037	25143	1134.483	363.610	770.873	3.066	67.949	572.916	25.851	8.285	17.565
2038	24693	1093.537	345.796	747.740	3.028	68.378	561.491	24.866	7.863	17.003
2039	24247	1047.905	329.800	718.105	2.962	68.528	549.553	23.751	7.475	16.276

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	2233143	1015606.587	787430.925	228175.7	10.218	22.467	646.447	293.996	227.944	66.052

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19198.822	16.814	0.049	0.088	531.576	299.618	299.356	0.262
1992	33942	19056.189	19013.253	42.937	0.127	0.225	520.248	292.085	291.427	0.658
1993	35913	20095.670	20008.482	87.188	0.243	0.434	540.645	302.526	301.213	1.313
1994	35074	19524.095	19392.327	131.768	0.376	0.675	518.158	288.435	286.488	1.947
1995	34669	19116.002	18926.599	189.403	0.546	0.991	502.362	276.995	274.251	2.744
1996	34582	18975.021	18716.472	258.549	0.748	1.363	493.306	270.675	266.987	3.688
1997	35267	19169.025	18826.840	342.184	0.970	1.785	494.878	268.986	264.184	4.802
1998	35675	19228.937	18784.933	444.005	1.245	2.309	492.368	265.388	259.260	6.128
1999	38516	20589.820	20009.397	580.423	1.507	2.819	523.195	279.689	271.805	7.884
2000	36283	19196.417	18545.641	650.776	1.794	3.390	485.652	256.946	248.236	8.711
2001	36281	19012.731	18223.909	788.822	2.174	4.149	479.301	251.174	240.753	10.421
2002	35983	18699.357	17780.142	919.215	2.555	4.916	470.038	244.265	232.258	12.007
2003	36205	18663.550	17594.461	1069.088	2.953	5.728	468.019	241.262	227.442	13.820
2004	34611	17679.164	16492.664	1186.500	3.428	6.711	442.596	226.076	210.904	15.173
2005	36826	18692.832	17265.261	1427.571	3.877	7.637	465.456	236.265	218.221	18.044
2006	34350	17308.564	15795.157	1513.407	4.406	8.744	430.192	216.769	197.815	18.954
2007	35326	17683.181	15938.426	1744.755	4.939	9.867	437.879	219.189	197.563	21.627
2008	38248	19006.374	16935.070	2071.304	5.415	10.898	468.788	232.952	207.565	25.387
2009	36902	18205.573	15985.337	2220.235	6.017	12.195	446.956	220.505	193.614	26.891
2010	37234	18237.758	15811.294	2426.465	6.517	13.305	445.505	218.215	189.182	29.033
2011	38093	18487.916	15756.040	2731.876	7.172	14.777	451.279	219.022	186.658	32.364
2012	38504	18491.158	15505.397	2985.762	7.754	16.147	451.211	216.689	181.701	34.989
2013	40290	19143.452	15803.364	3340.088	8.290	17.448	466.755	221.775	183.080	38.695
2014	40339	18992.005	15409.957	3582.047	8.880	18.861	461.866	217.451	176.438	41.013
2015	42303	19728.885	15792.230	3936.655	9.306	19.954	544.880	254.116	203.411	50.706
2016	43104	19876.724	15651.072	4225.652	9.803	21.259	550.009	253.628	199.708	53.919
2017	44107	20119.790	15555.276	4564.515	10.349	22.687	557.659	254.381	196.670	57.711
2018	45469	20535.123	15590.869	4944.254	10.874	24.077	569.564	257.229	195.296	61.933
2019	46963	21009.029	15666.085	5342.944	11.377	25.432	582.552	260.605	194.329	66.276
2020	48419	21428.512	15696.655	5731.857	11.838	26.749	685.853	303.533	222.342	81.191
2021	48463	21266.697	15253.996	6012.701	12.407	28.273	681.652	299.127	214.555	84.572
2022	49915	21663.568	15214.830	6448.738	12.919	29.768	696.712	302.378	212.367	90.011
2023	51391	22084.131	15191.645	6892.486	13.412	31.210	711.491	305.748	210.324	95.424
2024	52811	22418.456	15138.565	7279.891	13.785	32.473	725.093	307.804	207.851	99.952
2025	53848	22614.834	14998.393	7616.442	14.144	33.679	860.553	361.411	239.692	121.720
2026	54342	22571.522	14657.191	7914.330	14.564	35.063	864.886	359.241	233.279	125.962
2027	55267	22774.416	14461.877	8312.539	15.041	36.499	875.619	360.827	229.127	131.700
2028	56149	22915.561	14221.685	8693.875	15.484	37.939	885.102	361.228	224.183	137.045
2029	57014	22992.027	13951.194	9040.834	15.857	39.322	893.616	360.371	218.667	141.704
2030	57238	22895.360	13616.042	9279.317	16.212	40.529	1071.90	428.760	254.987	173.773
2031	57592	22715.871	13269.099	9446.772	16.403	41.587	1075.71	424.293	247.844	176.449
2032	58251	22759.207	12981.217	9777.990	16.786	42.963	1084.31	423.652	241.639	182.013
2033	58885	22786.258	12751.275	10034.98	17.042	44.040	1091.54	422.387	236.370	186.018
2034	59460	22806.106	12484.126	10321.98	17.360	45.260	1096.89	420.721	230.304	190.417
2035	58516	22262.998	12018.675	10244.32	17.507	46.015	1335.15	507.973	274.229	233.744
2036	56446	21140.051	11083.621	10056.43	17.816	47.571	1287.60	482.234	252.833	229.401
2037	56568	21011.845	10726.313	10285.53	18.183	48.951	1288.98	478.783	244.413	234.370
2038	56668	20787.483	10380.098	10407.39	18.366	50.066	1288.55	472.681	236.030	236.651
2039	56758	20709.267	10097.212	10612.06	18.697	51.243	1286.40	469.372	228.852	240.521

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13244957	4509390.583	3533875.057	975515.5	7.365	21.633	3812.79	1305.37	1017.29	288.083

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123686.342	313.101	0.100	0.253	4883.81	1933.45	1928.57	4.882
1992	308579	122014.015	121187.444	826.572	0.268	0.677	4729.74	1870.18	1857.50	12.679
1993	311720	122810.618	121271.280	1539.338	0.494	1.253	4692.64	1848.83	1825.62	23.206
1994	305717	119925.592	117582.592	2343.000	0.766	1.954	4516.26	1771.69	1737.01	34.686
1995	303256	117896.496	114620.886	3275.610	1.080	2.778	4393.91	1708.35	1660.75	47.592
1996	299610	115698.645	111406.467	4292.178	1.433	3.710	4273.34	1650.42	1588.99	61.427
1997	294301	113359.847	108056.598	5303.249	1.802	4.678	4128.95	1590.70	1516.00	74.704
1998	289364	111444.212	105127.338	6316.874	2.183	5.668	3992.59	1538.10	1450.53	87.570
1999	311158	114877.722	106481.193	8396.529	2.698	7.309	4225.21	1560.48	1445.91	114.576
2000	303991	112379.704	102874.058	9505.646	3.127	8.459	4067.01	1504.22	1376.32	127.894
2001	296552	110024.943	99307.940	10717.00	3.614	9.741	3915.28	1453.52	1311.13	142.386
2002	292218	108289.173	96236.836	12052.34	4.124	11.130	3814.25	1414.56	1256.16	158.400
2003	286250	106539.023	93325.339	13213.68	4.616	12.403	3696.87	1377.22	1205.28	171.941
2004	274623	103037.251	88959.980	14077.27	5.126	13.662	3507.87	1317.61	1136.32	181.293
2005	272905	103044.562	87734.790	15309.77	5.610	14.857	3444.78	1302.41	1107.45	194.969
2006	264714	99672.555	83327.803	16344.75	6.174	16.398	3310.14	1248.28	1041.98	206.298
2007	259094	97839.152	80631.987	17207.17	6.641	17.587	3205.91	1212.75	997.703	215.049
2008	260237	98075.852	79787.130	18288.72	7.028	18.648	3183.22	1202.07	975.959	226.112
2009	254769	95617.338	76589.194	19028.14	7.469	19.900	3078.80	1158.11	925.558	232.556
2010	252837	94607.988	74759.636	19848.35	7.850	20.980	3017.61	1131.98	892.254	239.730
2011	252848	93633.119	72746.928	20886.19	8.260	22.306	2987.13	1109.25	859.426	249.822
2012	253833	92775.175	70873.855	21901.32	8.628	23.607	2965.49	1087.19	828.009	259.180
2013	257507	92345.780	69402.340	22943.44	8.910	24.845	2973.26	1069.82	801.344	268.472
2014	258863	91379.215	67579.593	23799.62	9.194	26.045	2953.16	1046.26	770.960	275.296
2015	261410	90750.242	66219.682	24530.56	9.384	27.031	3352.21	1168.90	849.173	319.729
2016	263233	88811.996	63528.295	25283.70	9.605	28.469	3342.88	1133.24	806.765	326.480
2017	265633	87325.126	61314.468	26010.66	9.792	29.786	3341.30	1104.08	771.255	332.824
2018	260769	87612.144	61139.441	26472.70	10.152	30.216	3248.60	1097.46	761.661	335.795
2019	263672	87797.760	60469.264	27328.50	10.365	31.127	3251.63	1089.08	745.714	343.368
2020	264710	87221.042	59446.565	27774.48	10.492	31.844	3723.33	1235.48	836.157	399.322
2021	257589	82001.292	54501.910	27499.38	10.676	33.535	3596.21	1153.39	760.904	392.485
2022	259787	81915.977	53601.081	28314.90	10.899	34.566	3597.67	1143.37	742.295	401.080
2023	261959	81810.810	52750.794	29060.02	11.093	35.521	3596.81	1132.64	724.291	408.354
2024	263791	81528.303	51869.203	29659.10	11.243	36.379	3590.43	1119.38	705.985	413.393
2025	260563	79599.213	50266.113	29333.10	11.258	36.851	4121.41	1272.09	795.078	477.010
2026	254871	75082.462	46221.783	28860.68	11.324	38.439	4012.90	1194.99	727.755	467.233
2027	254498	74444.425	45124.206	29320.22	11.521	39.385	3986.97	1179.46	706.917	472.544
2028	253963	73699.585	43947.119	29752.47	11.715	40.370	3956.61	1161.76	684.672	477.087
2029	253373	72819.703	42752.923	30066.78	11.867	41.289	3923.09	1141.36	661.963	479.394
2030	244503	69309.277	40518.810	28790.47	11.775	41.539	4514.36	1297.95	748.114	549.835
2031	239482	65433.368	37328.214	28105.15	11.736	42.952	4407.73	1222.18	687.036	535.145
2032	238206	64643.552	36238.334	28405.22	11.925	43.941	4366.97	1203.31	664.349	538.959
2033	236895	63793.514	35274.087	28519.43	12.039	44.706	4322.57	1182.54	643.638	538.898
2034	235444	63032.151	34332.523	28699.63	12.190	45.532	4273.19	1162.80	623.119	539.681
2035	220305	57653.301	31560.361	26092.94	11.844	45.258	4934.76	1315.47	706.940	608.530
2036	212607	52988.733	27983.937	25004.80	11.761	47.189	4758.40	1208.75	626.313	582.433
2037	210004	52026.921	26992.742	25034.18	11.921	48.118	4692.41	1185.50	603.135	582.367
2038	207433	50943.211	25993.967	24949.24	12.028	48.975	4622.78	1158.38	579.293	579.090
2039	204933	50085.991	25168.619	24917.37	12.159	49.749	4549.82	1135.19	558.781	576.410

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	3086089	2244988.113	1949816.078	295172.0	9.565	13.148	888.385	649.875	561.289	88.587

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	0.000
1991	78462	62918.402	62882.368	36.034	0.046	0.057	1223.41	981.049	0.562
1992	77988	62366.766	62272.300	94.466	0.121	0.151	1195.35	955.930	1.453
1993	78544	62652.888	62468.749	184.138	0.234	0.294	1182.40	943.195	2.789
1994	77442	61565.227	61278.797	286.430	0.370	0.465	1144.02	909.520	4.269
1995	76912	60851.961	60438.289	413.672	0.538	0.680	1114.39	881.759	6.062
1996	76245	60122.922	59550.453	572.468	0.751	0.952	1087.49	857.643	8.273
1997	75493	59237.155	58497.996	739.159	0.979	1.248	1059.14	831.234	10.527
1998	75410	58906.696	57958.174	948.522	1.258	1.610	1040.49	813.001	13.305
1999	73197	56930.073	55784.158	1145.915	1.566	2.013	993.943	773.329	15.838
2000	73836	57137.121	55741.437	1395.684	1.890	2.443	987.829	764.787	19.039
2001	73360	56481.726	54798.836	1682.890	2.294	2.980	968.555	746.169	22.677
2002	72525	55588.365	53614.733	1973.632	2.721	3.550	946.647	726.138	26.318
2003	72043	54945.856	52656.025	2289.831	3.178	4.167	930.419	710.281	30.238
2004	71421	54203.126	51559.179	2643.946	3.702	4.878	912.292	693.135	34.550
2005	71106	53744.603	50751.495	2993.108	4.209	5.569	897.542	679.296	38.677
2006	69821	52535.572	49177.018	3358.553	4.810	6.393	873.079	657.945	43.006
2007	68750	51492.124	47781.548	3710.576	5.397	7.206	850.682	638.264	47.037
2008	68436	51030.736	46903.037	4127.698	6.031	8.089	837.115	625.460	51.741
2009	67745	50276.199	45731.294	4544.904	6.709	9.040	818.677	608.943	56.294
2010	67460	49840.933	44886.648	4954.285	7.344	9.940	805.132	596.347	60.626
2011	66797	49072.841	43668.116	5404.725	8.091	11.014	789.137	581.354	65.462
2012	66475	48539.512	42654.990	5884.522	8.852	12.123	776.623	568.812	70.480
2013	65682	47675.741	41377.237	6298.503	9.589	13.211	758.386	552.318	74.562
2014	65415	47194.534	40462.315	6732.219	10.292	14.265	746.266	540.359	78.758
2015	64557	46305.842	39221.007	7084.835	10.975	15.300	727.848	526.439	83.486
2016	62048	44208.867	36955.980	7252.887	11.689	16.406	707.969	514.107	88.792
2017	60350	42702.624	35209.685	7492.939	12.416	17.547	689.126	502.903	94.112
2018	62977	44321.202	35967.933	8353.269	13.264	18.847	671.549	491.181	100.000
2019	63597	44493.088	35582.466	8910.622	14.011	20.027	654.284	480.912	106.114
2020	64063	44529.551	35100.723	9428.828	14.718	21.174	638.095	470.757	112.042
2021	57688	39852.556	30921.686	8930.870	15.481	22.410	622.391	460.546	118.847
2022	58056	39853.685	30402.813	9450.872	16.279	23.714	606.983	450.274	125.240
2023	58395	39847.050	29900.802	9946.248	17.033	24.961	592.782	440.670	131.119
2024	58640	39726.010	29352.566	10373.44	17.690	26.112	583.143	431.435	137.921
2025	58259	39207.348	28566.585	10640.76	18.264	27.140	573.511	422.579	144.731
2026	52125	34803.960	24943.772	9860.188	18.916	28.331	563.702	413.929	151.193
2027	51902	34484.595	24285.156	10199.44	19.651	29.577	554.092	405.357	157.905
2028	51632	34100.638	23599.441	10501.20	20.338	30.795	544.402	396.544	164.877
2029	51334	33669.838	22904.571	10765.27	20.971	31.973	534.832	387.732	171.990
2030	49930	32557.688	21857.126	10700.56	21.431	32.866	525.873	379.705	179.149
2031	44343	28646.393	18951.657	9694.736	21.863	33.843	516.154	371.065	186.254
2032	43946	28227.160	18347.562	9879.598	22.481	35.000	506.650	362.435	193.073
2033	43533	27786.623	17810.304	9976.319	22.917	35.903	497.335	353.979	199.098
2034	43087	27348.299	17269.674	10078.62	23.392	36.853	488.002	345.514	205.077
2035	40581	25570.077	16030.859	9539.218	23.507	37.306	478.994	337.430	211.345
2036	34755	21717.319	13324.766	8392.553	24.148	38.645	469.863	329.402	217.178
2037	34191	21256.024	12813.377	8442.646	24.693	39.719	460.966	321.347	223.040
2038	33631	20747.175	12315.251	8431.924	25.072	40.641	452.484	313.764	228.311
2039	33083	20327.688	11899.385	8428.303	25.476	41.462	444.490	306.724	233.540

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6402472	1098877.421	697553.323	401324.1	6.268	36.521	1843.06	318.101	200.803	117.298

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000
1991	168044	37309.838	37079.370	230.467	0.137	0.618	2620.21	581.750	3.594
1992	164549	36137.488	35525.115	612.373	0.372	1.695	2522.12	553.899	9.389
1993	164366	35599.588	34475.688	1123.900	0.684	3.157	2474.37	535.926	16.929
1994	159875	34336.757	32637.375	1699.383	1.063	4.949	2361.78	507.267	25.125
1995	158099	33455.759	31100.981	2354.778	1.489	7.038	2290.72	484.782	34.156
1996	154901	32193.824	29151.888	3041.936	1.964	9.449	2209.36	459.239	43.445
1997	150008	30665.509	26965.265	3700.245	2.467	12.066	2104.57	430.308	51.995
1998	145460	29188.430	24878.049	4310.381	2.963	14.767	2007.03	402.844	59.581
1999	166035	33375.386	27410.294	5965.092	3.593	17.873	2254.58	453.366	81.162
2000	160368	32024.754	25388.667	6636.088	4.138	20.722	2145.51	428.655	88.988
2001	154578	30682.393	23338.207	7344.186	4.751	23.936	2040.84	405.339	97.212
2002	152052	30218.370	22050.230	8168.140	5.372	27.030	1984.70	394.736	106.919
2003	146929	29175.202	20409.687	8765.515	5.966	30.044	1897.57	377.146	113.558
2004	138604	27488.687	18406.710	9081.977	6.552	33.039	1770.44	351.518	116.402
2005	136140	27017.439	17361.169	9656.270	7.093	35.741	1718.45	341.482	122.338
2006	132216	26231.435	16091.786	10139.65	7.669	38.655	1653.31	328.517	127.296
2007	126828	25103.049	14754.913	10348.14	8.159	41.223	1569.32	311.161	128.591
2008	126230	24621.740	13947.136	10674.60	8.456	43.354	1544.05	301.777	131.175
2009	122838	23741.177	12951.936	10789.24	8.783	45.445	1484.46	287.552	131.032
2010	120989	23189.160	12226.467	10962.69	9.061	47.275	1444.00	277.458	131.536
2011	120722	22786.927	11569.507	11217.42	9.292	49.227	1426.21	269.951	133.270
2012	121487	22485.295	11028.221	11457.07	9.431	50.954	1419.31	263.495	134.654
2013	123274	22251.884	10573.946	11677.94	9.473	52.481	1423.37	257.786	135.695
2014	123920	21894.593	10094.182	11800.41	9.523	53.896	1413.70	250.685	135.528
2015	124535	21471.109	9648.522	11822.59	9.493	55.063	1596.99	276.557	152.828
2016	127062	21411.568	9362.484	12049.08	9.483	56.274	1613.60	273.213	154.315
2017	129196	21169.399	9014.943	12154.46	9.408	57.415	1625.11	267.651	154.255
2018	122369	19830.576	8239.455	11591.12	9.472	58.451	1524.45	248.404	145.759
2019	122846	19431.014	7918.592	11512.42	9.371	59.248	1514.96	241.031	143.378
2020	121901	18532.612	7411.367	11121.25	9.123	60.009	1714.62	262.513	158.267
2021	120548	18234.128	7138.071	11096.06	9.205	60.853	1682.98	256.472	156.817
2022	120651	17812.559	6831.595	10980.96	9.101	61.647	1670.84	248.626	154.018
2023	120733	17361.668	6539.233	10822.44	8.964	62.335	1657.72	240.367	150.580
2024	120668	16929.676	6286.870	10642.81	8.820	62.865	1642.40	232.443	146.874
2025	117114	15501.666	5678.627	9823.039	8.388	63.368	1852.44	247.735	89.821
2026	116554	15523.814	5633.438	9890.375	8.486	63.711	1835.13	247.072	88.698
2027	115531	15073.070	5414.802	9658.268	8.360	64.076	1809.91	238.810	84.828
2028	114457	14636.710	5187.550	9449.160	8.256	64.558	1783.18	230.725	80.819
2029	113380	14180.166	4982.414	9197.752	8.112	64.863	1755.52	222.256	77.145
2030	106542	12111.772	4211.002	7900.770	7.416	65.232	1967.13	226.816	77.749
2031	107040	12417.367	4304.637	8112.730	7.579	65.334	1970.10	231.935	79.228
2032	105679	12054.064	4127.864	7926.200	7.500	65.755	1937.38	224.381	75.675
2033	104332	11672.389	3947.474	7724.915	7.404	66.181	1903.72	216.370	72.029
2034	102961	11365.762	3825.682	7540.079	7.323	66.340	1868.70	209.673	69.434
2035	92665	8580.360	2846.460	5733.900	6.188	66.826	2075.67	195.777	63.760
2036	94022	8948.841	2946.552	6002.289	6.384	67.073	2104.31	204.135	65.947
2037	92255	8624.570	2837.199	5787.371	6.273	67.103	2061.37	196.522	63.395
2038	90540	8315.017	2700.643	5614.374	6.201	67.521	2017.73	189.073	60.186
2039	88891	8001.132	2589.334	5411.797	6.088	67.638	1973.52	181.344	57.487

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1501221	149918.462	93395.111	56523.35	3.765	37.703	432.153	43.398	26.885	16.513

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4525.781	29.785	0.091	0.654	508.609	71.032	70.568	0.464
1992	32100	4453.572	4376.651	76.922	0.240	1.727	492.015	68.262	67.083	1.179
1993	32897	4462.473	4317.900	144.574	0.439	3.240	495.228	67.179	65.002	2.178
1994	33325	4499.513	4273.034	226.479	0.680	5.033	492.296	66.473	63.124	3.348
1995	33572	4472.774	4153.116	319.658	0.952	7.147	486.433	64.812	60.175	4.637
1996	33875	4406.878	3984.568	422.310	1.247	9.583	483.167	62.863	56.832	6.031
1997	33524	4288.158	3761.775	526.383	1.570	12.275	470.333	60.173	52.776	7.396
1998	32806	4120.148	3499.449	620.699	1.892	15.065	452.657	56.864	48.285	8.579
1999	33391	3982.443	3267.460	714.983	2.141	17.953	453.415	54.097	44.369	9.728
2000	33481	4021.411	3185.938	835.474	2.495	20.776	447.928	53.827	42.624	11.203
2001	32302	3848.092	2931.291	916.802	2.838	23.825	426.471	50.836	38.701	12.135
2002	31619	3783.081	2772.418	1010.663	3.196	26.715	412.718	49.418	36.188	13.230
2003	31025	3754.415	2641.427	1112.988	3.587	29.645	400.682	48.533	34.114	14.419
2004	29931	3666.274	2474.518	1191.756	3.982	32.506	382.317	46.883	31.608	15.275
2005	28761	3589.688	2323.329	1266.359	4.403	35.278	363.045	45.371	29.327	16.045
2006	28249	3596.985	2227.865	1369.120	4.847	38.063	353.248	45.048	27.859	17.189
2007	28097	3560.798	2114.956	1445.842	5.146	40.604	347.657	44.137	26.169	17.968
2008	27206	3417.001	1950.522	1466.480	5.390	42.917	332.790	41.881	23.859	18.022
2009	27157	3394.390	1865.364	1529.026	5.630	45.046	328.183	41.113	22.542	18.570
2010	27010	3340.137	1773.575	1566.563	5.800	46.901	322.368	39.965	21.168	18.797
2011	27070	3285.435	1684.617	1600.818	5.914	48.725	319.807	38.922	19.902	19.020
2012	27181	3259.209	1610.142	1649.067	6.067	50.597	317.551	38.193	18.811	19.382
2013	28046	3274.703	1562.969	1711.734	6.103	52.271	323.824	37.937	18.047	19.890
2014	28952	3298.083	1522.067	1776.016	6.134	53.850	330.293	37.762	17.364	20.398
2015	29742	3244.406	1455.510	1788.896	6.015	55.138	381.394	41.789	18.665	23.124
2016	30716	3314.836	1448.168	1866.668	6.077	56.313	390.078	42.297	18.391	23.907
2017	31643	3333.314	1415.229	1918.085	6.062	57.543	398.030	42.144	17.802	24.342
2018	29580	2925.242	1212.114	1713.127	5.792	58.564	368.501	36.642	15.100	21.542
2019	29850	2864.628	1162.371	1702.257	5.703	59.423	368.110	35.534	14.334	21.200
2020	29865	2730.366	1087.134	1643.232	5.502	60.184	420.069	38.675	15.291	23.384
2021	30394	2647.911	1031.230	1616.681	5.319	61.055	424.338	37.244	14.397	22.847
2022	30622	2586.165	985.115	1601.050	5.228	61.908	424.075	36.097	13.642	22.455
2023	30846	2517.960	942.216	1575.744	5.108	62.580	423.535	34.860	12.937	21.923
2024	31024	2454.161	904.168	1549.992	4.996	63.158	422.268	33.695	12.307	21.389
2025	30639	2275.364	825.689	1449.675	4.732	63.712	484.623	36.363	13.060	23.303
2026	31099	2183.166	783.310	1399.857	4.501	64.120	489.647	34.747	12.333	22.413
2027	30995	2112.345	750.195	1362.150	4.395	64.485	485.563	33.467	11.753	21.714
2028	30865	2046.677	718.749	1327.928	4.302	64.882	480.864	32.263	11.198	21.065
2029	30728	1977.671	688.359	1289.312	4.196	65.193	475.777	30.997	10.658	20.339
2030	29820	1744.457	601.411	1143.046	3.833	65.524	550.580	32.668	11.104	21.564
2031	29483	1653.738	565.107	1088.630	3.692	65.828	542.641	30.889	10.401	20.488
2032	29249	1603.120	538.884	1064.236	3.639	66.385	536.214	29.841	9.879	19.962
2033	29006	1548.245	516.094	1032.151	3.558	66.666	529.258	28.700	9.417	19.283
2034	28737	1511.985	499.031	1012.954	3.525	66.995	521.564	27.893	9.057	18.836
2035	27300	1239.866	406.913	832.952	3.051	67.181	611.521	28.290	9.115	19.175
2036	26149	1182.522	384.178	798.344	3.053	67.512	585.241	26.975	8.598	18.377
2037	25710	1134.483	370.716	763.767	2.971	67.323	574.473	25.851	8.283	17.567
2038	25269	1093.537	352.741	740.795	2.932	67.743	563.129	24.866	7.861	17.005
2039	24830	1047.905	336.582	711.322	2.865	67.880	551.268	23.751	7.473	16.278

Results for PHIM for Run 9 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2255175	1015606.587	793110.545	222496.0	9.866	21.908	649.191	293.996	228.311	65.685

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19198.822	16.814	0.049	0.088	531.576	299.618	299.356	0.262
1992	33942	19056.189	19013.378	42.811	0.126	0.225	520.248	292.085	291.427	0.658
1993	35914	20095.670	20008.943	86.726	0.241	0.432	540.647	302.526	301.215	1.311
1994	35076	19524.095	19393.387	130.708	0.373	0.669	518.165	288.435	286.492	1.943
1995	34672	19116.002	18928.499	187.503	0.541	0.981	502.373	276.995	274.257	2.738
1996	34588	18975.021	18719.558	255.464	0.739	1.346	493.325	270.675	266.998	3.678
1997	35276	19169.025	18831.563	337.462	0.957	1.760	494.907	268.986	264.200	4.785
1998	35688	19228.937	18791.665	437.272	1.225	2.274	492.412	265.388	259.284	6.104
1999	38535	20589.820	20019.281	570.539	1.481	2.771	523.264	279.689	271.841	7.848
2000	36307	19196.417	18558.017	638.400	1.758	3.326	485.741	256.946	248.282	8.664
2001	36312	19012.731	18239.606	773.125	2.129	4.066	479.416	251.174	240.812	10.362
2002	36022	18699.357	17799.455	899.902	2.498	4.812	470.184	244.265	232.332	11.933
2003	36253	18663.550	17618.200	1045.349	2.883	5.601	468.207	241.262	227.536	13.726
2004	34667	17679.164	16519.573	1159.591	3.345	6.559	442.814	226.076	211.011	15.066
2005	36897	18692.832	17298.797	1394.035	3.778	7.458	465.737	236.265	218.357	17.908
2006	34428	17308.564	15831.134	1477.429	4.291	8.536	430.504	216.769	197.962	18.807
2007	35419	17683.181	15980.570	1702.611	4.807	9.628	438.256	219.189	197.736	21.453
2008	38363	19006.374	16986.435	2019.939	5.265	10.628	469.263	232.952	207.779	25.174
2009	37029	18205.573	16040.600	2164.973	5.847	11.892	447.484	220.505	193.846	26.659
2010	37378	18237.758	15872.947	2364.811	6.327	12.967	446.110	218.215	189.443	28.772
2011	38258	18487.916	15824.689	2663.227	6.961	14.405	451.978	219.022	186.952	32.070
2012	38689	18491.158	15580.502	2910.656	7.523	15.741	452.003	216.689	182.025	34.665
2013	40505	19143.452	15888.188	3255.265	8.037	17.005	467.683	221.775	183.451	38.324
2014	40576	18992.005	15501.029	3490.976	8.604	18.381	462.895	217.451	176.839	40.612
2015	42576	19728.885	15894.643	3834.242	9.006	19.435	545.975	254.116	203.826	50.290
2016	43407	19876.724	15761.662	4115.062	9.480	20.703	551.234	253.628	200.162	53.466
2017	44443	20119.790	15674.612	4445.179	10.002	22.094	559.039	254.381	197.166	57.215
2018	45843	20535.123	15719.939	4815.184	10.504	23.449	571.105	257.229	195.835	61.394
2019	47379	21009.029	15805.835	5203.195	10.982	24.766	584.284	260.605	194.919	65.686
2020	48881	21428.512	15847.341	5581.171	11.418	26.046	687.543	303.533	222.904	80.629
2021	48958	21266.697	15410.923	5855.774	11.961	27.535	683.503	299.127	215.153	83.974
2022	50458	21663.568	15381.559	6282.009	12.450	28.998	698.771	302.378	213.012	89.366
2023	51985	22084.131	15368.543	6715.588	12.918	30.409	713.776	305.748	211.017	94.731
2024	53459	22418.456	15325.599	7092.857	13.268	31.638	727.622	307.804	208.595	99.209
2025	54550	22614.834	15195.212	7419.622	13.601	32.809	862.845	361.411	240.348	121.063
2026	55093	22571.522	14861.263	7710.259	13.995	34.159	867.426	359.241	233.988	125.253
2027	56071	22774.416	14674.053	8100.363	14.447	35.568	878.411	360.827	229.884	130.943
2028	57009	22915.561	14441.379	8474.181	14.865	36.980	888.163	361.228	224.989	136.239
2029	57931	22992.027	14177.579	8814.448	15.216	38.337	896.965	360.371	219.518	140.853
2030	58211	22895.360	13849.271	9046.089	15.540	39.511	1074.77	428.760	255.704	173.055
2031	58616	22715.871	13506.813	9209.058	15.711	40.540	1078.84	424.293	248.597	175.696
2032	59332	22759.207	13224.023	9535.184	16.071	41.896	1087.72	423.652	242.433	181.219
2033	60025	22786.258	13000.216	9786.042	16.303	42.947	1095.26	422.387	237.212	185.176
2034	60659	22806.106	12738.136	10067.97	16.598	44.146	1100.92	420.721	231.191	189.530
2035	59759	22262.998	12276.129	9986.869	16.712	44.859	1338.58	507.973	274.981	232.992
2036	57681	21140.051	11328.441	9811.610	17.010	46.412	1290.98	482.234	253.543	228.690
2037	57849	21011.845	10971.449	10040.40	17.356	47.784	1292.60	478.783	245.150	233.633
2038	57994	20787.483	10625.332	10162.15	17.523	48.886	1292.43	472.681	236.793	235.888
2039	58129	20709.267	10343.318	10365.95	17.833	50.055	1290.54	469.372	229.637	239.735

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Control File Details for Run: 10

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.3
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	ISS3
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_1
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 10, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

TTP values for Run: 10, Scenario: Ecig

Variable Parameter

Value

- 1. Country
 - 2. Sex
 - 3. Assumption Set
- Note:

US (United States)
 F (Females)
 ISS3
 Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 10, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages

Period	Age Group	Smoking Group	N	%
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50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19

Period	Age Group	Smoking Group	N	%
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50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24

Period	Age Group	Smoking Group	N	%
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50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29

Period	Age Group	Smoking Group	N	%
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50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34

Period	Age Group	Smoking Group	N	%
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50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39

Period	Age Group	Smoking Group	N	%
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50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44

Period	Age Group	Smoking Group	N	%
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50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49

Period	Age Group	Smoking Group	N	%
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50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54

Period	Age Group	Smoking Group	N	%
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50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59

Period	Age Group	Smoking Group	N	%
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50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64

Period	Age Group	Smoking Group	N	%
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Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Main Output for the Tobacco History for Run: 10, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			F (Females)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	10659	11.63	0	0.00			
5	All Ages	Ecig	11697	12.76					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18396	20.07			14.19	1129	6.14
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	233	7.34	0	0.00			
5	18-19	Ecig	427	13.44					
5	18-19	Dual	0	0.00					
5	18-19	Former	82	2.58			1.15	52	63.41
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	862	10.32	0	0.00			
5	20-24	Ecig	1250	14.97					
5	20-24	Dual	0	0.00					
5	20-24	Former	444	5.32			3.23	106	23.87
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1395	15.86					
5	25-29	Dual	0	0.00					
5	25-29	Former	1023	11.63			5.94	54	5.28
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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5	30-34	Never Any	5304	52.63					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1802	17.88					
5	30-34	Dual	0	0.00					
5	30-34	Former	1599	15.87			8.16	67	4.19
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1746	16.63					
5	35-39	Dual	0	0.00					
5	35-39	Former	2065	19.67			8.75	62	3.00
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1356	14.13					
5	40-44	Dual	0	0.00					
5	40-44	Former	2091	21.78			12.09	81	3.87
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1161	13.66					
5	45-49	Dual	0	0.00					
5	45-49	Former	2006	23.61			10.93	133	6.63
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	826	12.64					
5	50-54	Dual	0	0.00					
5	50-54	Former	1855	28.38			14.92	140	7.55
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	627	11.33					
5	55-59	Dual	0	0.00					
5	55-59	Former	1501	27.12			15.84	93	6.20
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	444	8.43					
5	60-64	Dual	0	0.00					
5	60-64	Former	1455	27.64			19.22	87	5.98
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	374	6.77					
5	65-69	Dual	0	0.00					
5	65-69	Former	1470	26.61			19.34	107	7.28
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	188	3.55					
5	70-74	Dual	0	0.00					
5	70-74	Former	1496	28.21			22.32	77	5.15
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	101	2.25					
5	75-79	Dual	0	0.00					
5	75-79	Former	1309	29.19			25.87	70	5.35
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	4595	5.00	0	0.00			
10	All Ages	Ecig	15644	17.02					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21246	23.12			15.11	1717	8.08
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	370	4.67	0	0.00			
10	20-24	Ecig	1780	22.45					
10	20-24	Dual	0	0.00					
10	20-24	Former	652	8.22			3.55	169	25.92
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	400	4.79	0	0.00			
10	25-29	Ecig	1690	20.24					
10	25-29	Dual	0	0.00					
10	25-29	Former	767	9.19			5.59	126	16.43
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1908	21.70					
10	30-34	Dual	0	0.00					
10	30-34	Former	1254	14.26			9.28	91	7.26
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2413	23.94					
10	35-39	Dual	0	0.00					
10	35-39	Former	1820	18.06			11.77	105	5.77
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2292	21.83					
10	40-44	Dual	0	0.00					
10	40-44	Former	2345	22.34			12.30	143	6.10
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1673	17.43					
10	45-49	Dual	0	0.00					
10	45-49	Former	2463	25.66			14.76	181	7.35
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1299	15.29					
10	50-54	Dual	0	0.00					
10	50-54	Former	2464	29.00			13.32	188	7.63
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	912	13.95					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2225	34.04			16.92	157	7.06
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		663	11.98					
10	60-64	Dual		0	0.00					
10	60-64	Former		1853	33.48			17.23	149	8.04
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		443	8.42					
10	65-69	Dual		0	0.00					
10	65-69	Former		1809	34.37			19.85	146	8.07
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		368	6.66					
10	70-74	Dual		0	0.00					
10	70-74	Former		1804	32.66			20.18	154	8.54
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		203	3.83					
10	75-79	Dual		0	0.00					
10	75-79	Former		1790	33.75			23.17	108	6.03
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		1890	2.18	0	0.00			
15	All Ages	Ecig		15617	18.03					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		22096	25.51			17.32	941	4.26
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		166	2.09	0	0.00			
15	25-29	Ecig		1941	24.48					
15	25-29	Dual		0	0.00					
15	25-29	Former		963	12.14			6.57	96	9.97
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		149	1.78	0	0.00			
15	30-34	Ecig		1822	21.82					
15	30-34	Dual		0	0.00					
15	30-34	Former		972	11.64			8.77	80	8.23
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	2002	22.77					
15	35-39	Dual	0	0.00					
15	35-39	Former	1435	16.32			12.75	66	4.60
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2500	24.81					
15	40-44	Dual	0	0.00					
15	40-44	Former	2056	20.40			15.08	101	4.91
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2318	22.08					
15	45-49	Dual	0	0.00					
15	45-49	Former	2666	25.39			15.45	135	5.06
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1622	16.90					
15	50-54	Dual	0	0.00					
15	50-54	Former	2769	28.84			17.84	99	3.58
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1281	15.08					
15	55-59	Dual	0	0.00					
15	55-59	Former	2694	31.71			16.95	78	2.90
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	852	13.04					
15	60-64	Dual	0	0.00					
15	60-64	Former	2437	37.29			20.18	93	3.82
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	591	10.68					
15	65-69	Dual	0	0.00					
15	65-69	Former	2099	37.93			19.92	68	3.24
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	391	7.43					
15	70-74	Dual	0	0.00					
15	70-74	Former	2002	38.03			22.67	69	3.45
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	297	5.38					
15	75-79	Dual	0	0.00					
15	75-79	Former	2003	36.26			22.91	56	2.80
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	765	0.94	0	0.00			
20	All Ages	Ecig	13785	17.00					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22772	28.09			19.42	1117	4.91
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	65	0.82	0	0.00			
20	30-34	Ecig	1881	23.72					
20	30-34	Dual	0	0.00					
20	30-34	Former	1241	15.65			9.36	130	10.48
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	58	0.69	0	0.00			
20	35-39	Ecig	1717	20.56					
20	35-39	Dual	0	0.00					
20	35-39	Former	1216	14.56			11.38	98	8.06
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	1849	21.03					
20	40-44	Dual	0	0.00					
20	40-44	Former	1691	19.23			15.34	112	6.62
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2327	23.09					
20	45-49	Dual	0	0.00					
20	45-49	Former	2362	23.44			17.71	131	5.55
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	2101	20.01					
20	50-54	Dual	0	0.00					
20	50-54	Former	3019	28.76			18.27	163	5.40
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1433	14.93					
20	55-59	Dual	0	0.00					
20	55-59	Former	3058	31.85			20.88	103	3.37
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	1079	12.70					
20	60-64	Dual	0	0.00					
20	60-64	Former	2991	35.20			19.94	144	4.81
Year of Follow-up: 2010, Age Group: 65-69									

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	645	9.87					
20	65-69	Dual	0	0.00					
20	65-69	Former	2728	41.74			22.72	95	3.48
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	477	8.62					
20	70-74	Dual	0	0.00					
20	70-74	Former	2285	41.29			23.05	69	3.02
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	276	5.24					
20	75-79	Dual	0	0.00					
20	75-79	Former	2181	41.43			25.56	72	3.30
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	340	0.45	0	0.00			
25	All Ages	Ecig	11438	15.09					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	23029	30.37			21.48	914	3.97
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	20	0.25	0	0.00			
25	35-39	Ecig	1567	19.76					
25	35-39	Dual	0	0.00					
25	35-39	Former	1617	20.39			11.52	129	7.98
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	33	0.40	0	0.00			
25	40-44	Ecig	1502	17.99					
25	40-44	Dual	0	0.00					

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Year of Follow-up: 2015, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Former		1456	17.44			14.00	103	7.07
25	45-49	Never Any		5189	59.01					
25	45-49	CC		32	0.36	0	0.00			
25	45-49	Ecig		1627	18.50					
25	45-49	Dual		0	0.00					
25	45-49	Former		1945	22.12			17.95	96	4.94
Year of Follow-up: 2015, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any		5284	52.43					
25	50-54	CC		45	0.45	0	0.00			
25	50-54	Ecig		2059	20.43					
25	50-54	Dual		0	0.00					
25	50-54	Former		2690	26.69			20.17	150	5.58
Year of Follow-up: 2015, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any		5278	50.27					
25	55-59	CC		37	0.35	0	0.00			
25	55-59	Ecig		1773	16.89					
25	55-59	Dual		0	0.00					
25	55-59	Former		3411	32.49			20.84	140	4.10
Year of Follow-up: 2015, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any		5018	52.27					
25	60-64	CC		42	0.44	0	0.00			
25	60-64	Ecig		1154	12.02					
25	60-64	Dual		0	0.00					
25	60-64	Former		3386	35.27			23.56	144	4.25
Year of Follow-up: 2015, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any		4356	51.27					
25	65-69	CC		41	0.48	0	0.00			
25	65-69	Ecig		844	9.93					
25	65-69	Dual		0	0.00					
25	65-69	Former		3256	38.32			23.12	70	2.15
Year of Follow-up: 2015, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any		3116	47.67					
25	70-74	CC		31	0.47	0	0.00			
25	70-74	Ecig		527	8.06					
25	70-74	Dual		0	0.00					
25	70-74	Former		2862	43.79			26.54	42	1.47
Year of Follow-up: 2015, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any		2684	48.50					
25	75-79	CC		59	1.07	0	0.00			
25	75-79	Ecig		385	6.96					
25	75-79	Dual		0	0.00					
25	75-79	Former		2406	43.48			26.76	40	1.66
Year of Follow-up: 2020, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any		38326	54.53					
30	All Ages	CC		115	0.16	0	0.00			
30	All Ages	Ecig		9272	13.19					
30	All Ages	Dual		0	0.00					
30	All Ages	Former		22570	32.11			23.81	756	3.35
Year of Follow-up: 2020, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any		0	.					
30	18-19	CC		0	.	0	.			
30	18-19	Ecig		0	.					
30	18-19	Dual		0	.					
30	18-19	Former		0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any		0	.					
30	20-24	CC		0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	1345	16.96					
30	40-44	Dual	0	0.00					
30	40-44	Former	1853	23.37			14.68	82	4.43
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	1317	15.77					
30	45-49	Dual	0	0.00					
30	45-49	Former	1661	19.89			16.93	71	4.27
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1395	15.86					
30	50-54	Dual	0	0.00					
30	50-54	Former	2200	25.02			20.50	121	5.50
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	1708	16.95					
30	55-59	Dual	0	0.00					
30	55-59	Former	3072	30.48			22.30	140	4.56
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	1428	13.60					
30	60-64	Dual	0	0.00					
30	60-64	Former	3778	35.98			23.52	153	4.05
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	917	9.55					
30	65-69	Dual	0	0.00					
30	65-69	Former	3647	37.99			26.68	75	2.06
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	727	8.56					
30	70-74	Dual	0	0.00					
30	70-74	Former	3392	39.92			27.06	66	1.95
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	435	6.66					
30	75-79	Dual	0	0.00					
30	75-79	Former	2967	45.39			30.49	48	1.62
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	7305	11.46					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	21185	33.23			25.87	616	2.91
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	1146	14.45					
35	45-49	Dual	0	0.00					
35	45-49	Former	2057	25.94			17.95	74	3.60
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	1112	13.32					
35	50-54	Dual	0	0.00					
35	50-54	Former	1876	22.47			19.62	104	5.54
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	1153	13.11					
35	55-59	Dual	0	0.00					
35	55-59	Former	2447	27.83			23.13	98	4.00
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	1378	13.67					
35	60-64	Dual	0	0.00					
35	60-64	Former	3409	33.83			24.79	139	4.08
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	1139	10.85					
35	65-69	Dual	0	0.00					
35	65-69	Former	4075	38.81			26.61	83	2.04
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	789	8.22					
35	70-74	Dual	0	0.00					
35	70-74	Former	3782	39.40			30.61	65	1.72
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	588	6.92					
35	75-79	Dual	0	0.00					
35	75-79	Former	3539	41.65			30.81	53	1.50
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	5391	9.76					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	18991	34.37			27.90	543	2.86
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4726	59.60					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		959	12.09					
40	50-54	Dual		0	0.00					
40	50-54	Former		2245	28.31			21.16	100	4.45
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		5359	64.18					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		897	10.74					
40	55-59	Dual		0	0.00					
40	55-59	Former		2094	25.08			22.27	80	3.82
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5189	59.01					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		886	10.08					
40	60-64	Dual		0	0.00					
40	60-64	Former		2715	30.88			25.52	128	4.71
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		5284	52.43					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		1080	10.72					
40	65-69	Dual		0	0.00					
40	65-69	Former		3711	36.82			27.57	73	1.97
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		5278	50.27					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		957	9.12					
40	70-74	Dual		0	0.00					
40	70-74	Former		4260	40.58			30.32	86	2.02
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

40	75-79	Ecig	612	6.38					
40	75-79	Dual	0	0.00					
40	75-79	Former	3966	41.31			34.05	76	1.92
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	3886	8.51					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	15923	34.88			29.63	351	2.20
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

45	55-59	Never Any	4726	59.60					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	792	9.99					
45	55-59	Dual	0	0.00					
45	55-59	Former	2412	30.42			24.49	64	2.65
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	719	8.61					
45	60-64	Dual	0	0.00					
45	60-64	Former	2272	27.21			25.28	77	3.39
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	694	7.89					
45	65-69	Dual	0	0.00					
45	65-69	Former	2907	33.06			28.66	55	1.89
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	934	9.27					
45	70-74	Dual	0	0.00					
45	70-74	Former	3859	38.29			31.38	76	1.97
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	747	7.11					
45	75-79	Dual	0	0.00					
45	75-79	Former	4473	42.60			33.73	79	1.77
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	2497	7.10					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12092	34.40			31.39	238	1.97
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	613	7.73					
50	60-64	Dual	0	0.00					
50	60-64	Former	2591	32.67			27.58	77	2.97
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	578	6.92					
50	65-69	Dual	0	0.00					
50	65-69	Former	2413	28.90			28.67	34	1.41
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	583	6.63					
50	70-74	Dual	0	0.00					
50	70-74	Former	3018	34.32			32.48	56	1.86
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	723	7.17					
50	75-79	Dual	0	0.00					
50	75-79	Former	4070	40.38			34.61	71	1.74

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	2299417.687	646832.3	7.122	21.954	2493.45	808.881	631.296	177.585

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58953.560	124.926	0.063	0.211	2877.87	853.678	851.873	1.805
1992	198532	60494.150	60148.082	346.067	0.174	0.572	2829.84	862.271	857.339	4.933
1993	202512	62694.848	62023.607	671.241	0.331	1.071	2845.85	881.034	871.601	9.433
1994	200658	63202.598	62147.490	1055.107	0.526	1.669	2777.87	874.966	860.359	14.607
1995	201023	63766.862	62245.784	1521.078	0.757	2.385	2739.80	869.097	848.366	20.731
1996	201180	64591.163	62516.792	2074.371	1.031	3.212	2706.36	868.908	841.003	27.905
1997	198639	64686.912	62102.821	2584.091	1.301	3.995	2635.18	858.147	823.866	34.281
1998	197573	65295.961	62119.689	3176.273	1.608	4.864	2584.18	854.046	812.502	41.544
1999	211329	67327.521	63249.935	4077.587	1.929	6.056	2726.91	868.771	816.155	52.616
2000	208496	67596.897	62852.774	4744.123	2.275	7.018	2656.96	861.419	800.963	60.457
2001	203606	67008.811	61575.237	5433.573	2.669	8.109	2565.88	844.458	775.983	68.475
2002	200828	67067.744	60860.080	6207.664	3.091	9.256	2506.09	836.925	759.461	77.464
2003	196352	66756.217	59858.796	6897.421	3.513	10.332	2427.31	825.244	739.978	85.266
2004	188160	65058.725	57595.375	7463.351	3.966	11.472	2302.83	796.234	704.893	91.342
2005	186416	65214.724	56989.015	8225.709	4.413	12.613	2256.27	789.321	689.762	99.559
2006	180088	63771.146	54986.716	8784.430	4.878	13.775	2160.67	765.117	659.723	105.394
2007	175644	63110.718	53760.142	9350.576	5.324	14.816	2086.36	749.650	638.581	111.069
2008	177570	63718.624	53527.635	10190.99	5.739	15.994	2086.39	748.674	628.933	119.741
2009	172806	62794.698	52087.231	10707.47	6.196	17.052	2007.57	729.515	605.121	124.394
2010	170489	61917.074	50689.262	11227.81	6.586	18.134	1957.97	711.083	582.138	128.945
2011	170305	61680.114	49713.005	11967.11	7.027	19.402	1937.46	701.700	565.557	136.143
2012	171421	62023.127	49263.920	12759.21	7.443	20.572	1930.22	698.386	554.716	143.670
2013	172699	62037.765	48542.844	13494.92	7.814	21.753	1923.75	691.059	540.734	150.324
2014	174169	61921.017	47633.279	14287.74	8.203	23.074	1918.85	682.195	524.784	157.411
2015	177354	61856.204	46914.068	14942.14	8.425	24.156	2184.51	761.899	577.853	184.046
2016	176853	60464.119	44997.246	15466.87	8.746	25.580	2157.59	737.655	548.961	188.694
2017	179309	60243.839	44051.501	16192.34	9.030	26.878	2166.86	728.017	532.340	195.676
2018	177157	60713.327	43905.426	16807.90	9.488	27.684	2120.51	726.721	525.535	201.186
2019	179227	61148.172	43511.529	17636.64	9.840	28.842	2124.53	724.841	515.779	209.062
2020	180467	61149.317	43017.876	18131.44	10.047	29.651	2424.25	821.432	577.869	243.564
2021	178116	58727.786	40334.223	18393.56	10.327	31.320	2375.42	783.216	537.912	245.303
2022	179408	58848.802	39818.499	19030.30	10.607	32.338	2374.52	778.881	527.009	251.871
2023	180640	58816.149	39233.027	19583.12	10.841	33.295	2372.26	772.407	515.230	257.177
2024	181610	58955.232	38721.231	20234.00	11.141	34.321	2366.77	768.316	504.623	263.693
2025	180418	58297.744	37834.891	20462.85	11.342	35.101	2713.69	876.861	569.078	307.783
2026	180313	56469.971	35843.445	20626.53	11.439	36.527	2701.83	846.150	537.081	309.069
2027	179619	56209.427	35085.900	21123.53	11.760	37.580	2680.68	838.883	523.630	315.253
2028	178762	55733.105	34249.540	21483.57	12.018	38.547	2656.74	828.298	509.012	319.286
2029	177808	55145.838	33336.468	21809.37	12.266	39.549	2630.89	815.951	493.254	322.697
2030	173587	53615.097	31987.349	21627.75	12.459	40.339	3040.33	939.056	560.251	378.805
2031	174985	52046.561	30609.390	21437.17	12.251	41.188	3060.73	910.364	535.399	374.965
2032	173400	51582.636	29877.654	21704.98	12.517	42.078	3027.10	900.496	521.584	378.911
2033	171756	50839.758	29069.678	21770.08	12.675	42.821	2991.14	885.375	506.249	379.126
2034	169973	50215.451	28307.763	21907.69	12.889	43.627	2951.96	872.104	491.628	380.476
2035	162644	47773.075	26669.679	21103.40	12.975	44.174	3459.14	1016.05	567.215	448.830
2036	156254	43298.709	23632.932	19665.78	12.586	45.419	3328.25	922.274	503.388	418.886
2037	153593	42241.563	22648.537	19593.03	12.756	46.383	3274.10	900.450	482.792	417.659
2038	150947	41356.353	21876.988	19479.36	12.905	47.101	3217.50	881.531	466.319	415.212
2039	148373	40161.050	20914.957	19246.09	12.971	47.922	3159.42	855.178	445.357	409.821

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	2327764	1580465.217	1320735.539	259729.7	11.158	16.434	639.078	433.910	362.603	71.308

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	0.000
1991	43692	31412.010	31387.908	24.103	0.055	0.077	631.345	453.901	0.348
1992	45423	32782.407	32713.254	69.152	0.152	0.211	647.450	467.274	0.986
1993	46291	33491.183	33354.700	136.483	0.295	0.408	650.515	470.643	1.918
1994	47017	34074.347	33854.273	220.074	0.468	0.646	650.895	471.719	3.047
1995	47840	34694.454	34362.845	331.609	0.693	0.956	652.025	472.861	4.520
1996	48244	35027.269	34571.035	456.233	0.946	1.303	648.999	471.202	6.137
1997	49035	35590.763	34987.935	602.828	1.229	1.694	650.506	472.153	7.997
1998	49686	36100.785	35325.143	775.642	1.561	2.149	649.874	472.184	10.145
1999	48883	35451.030	34524.405	926.624	1.896	2.614	630.769	457.448	11.957
2000	50331	36447.986	35290.945	1157.041	2.299	3.175	641.392	464.474	14.745
2001	50389	36411.326	35026.090	1385.236	2.749	3.804	635.012	458.863	17.457
2002	51445	37078.545	35411.051	1667.494	3.241	4.497	641.972	462.696	20.808
2003	51408	36999.876	35067.703	1932.173	3.759	5.222	635.509	457.395	23.886
2004	51399	36861.555	34642.788	2218.767	4.317	6.019	629.057	451.138	27.155
2005	51421	36689.529	34173.103	2516.426	4.894	6.859	622.370	444.069	30.457
2006	51355	36504.774	33682.520	2822.254	5.496	7.731	616.150	437.979	33.861
2007	51839	36663.202	33477.155	3186.047	6.146	8.690	615.761	435.498	37.845
2008	50976	35898.803	32453.790	3445.013	6.758	9.596	598.952	421.800	40.478
2009	51193	35934.525	32110.238	3824.287	7.470	10.642	594.733	417.468	44.429
2010	50853	35502.829	31386.931	4115.898	8.094	11.593	584.018	407.730	47.269
2011	50509	35136.342	30675.659	4460.682	8.831	12.695	574.613	399.726	50.747
2012	51245	35450.201	30567.644	4882.557	9.528	13.773	577.023	399.173	54.978
2013	51069	35123.224	29865.820	5257.404	10.295	14.968	568.874	391.249	58.564
2014	51251	35079.370	29429.918	5649.452	11.023	16.105	564.641	386.476	62.241
2015	50443	34324.171	28445.511	5878.660	11.654	17.127	621.319	422.780	72.409
2016	48854	33054.753	26978.578	6076.175	12.437	18.382	596.013	403.264	74.129
2017	48325	32471.234	26086.235	6384.999	13.213	19.664	583.983	392.399	77.160
2018	50465	33657.595	26562.304	7095.291	14.060	21.081	604.052	402.871	84.929
2019	51036	33863.424	26285.658	7577.766	14.848	22.377	604.975	401.412	89.826
2020	51444	33910.830	25968.051	7942.779	15.440	23.423	691.053	455.532	106.697
2021	48037	31531.880	23713.240	7818.640	16.276	24.796	640.639	420.521	104.272
2022	48335	31560.212	23356.717	8203.496	16.972	25.993	639.727	417.708	108.576
2023	48599	31508.781	22954.404	8554.378	17.602	27.149	638.227	413.791	112.341
2024	48784	31517.293	22582.595	8934.699	18.315	28.349	635.757	410.740	116.439
2025	48477	31175.389	22017.974	9157.415	18.890	29.374	729.141	468.912	137.737
2026	45324	29044.598	20160.583	8884.014	19.601	30.587	679.138	435.206	133.119
2027	45107	28825.765	19668.879	9156.886	20.300	31.766	673.191	430.203	136.660
2028	44842	28513.846	19143.127	9370.719	20.897	32.864	666.430	423.769	139.266
2029	44539	28148.109	18576.954	9571.155	21.489	34.003	659.013	416.486	141.617
2030	43393	27314.475	17766.212	9548.263	22.004	34.957	760.018	478.407	167.236
2031	40748	25423.102	16351.661	9071.440	22.262	35.682	712.731	444.684	158.672
2032	40325	25085.902	15890.867	9195.034	22.802	36.654	703.969	437.933	160.521
2033	39882	24645.067	15404.664	9240.403	23.169	37.494	694.543	429.194	160.922
2034	39404	24239.126	14941.442	9297.684	23.595	38.358	684.347	420.967	161.475
2035	37454	22944.147	13982.324	8961.823	23.927	39.059	796.588	487.980	190.602
2036	32988	19950.581	11953.895	7996.686	24.241	40.082	702.663	424.953	170.332
2037	32403	19415.334	11437.121	7978.212	24.622	41.092	690.731	413.871	170.069
2038	31820	18939.317	11021.349	7917.968	24.884	41.807	678.257	403.701	168.775
2039	31251	18379.752	10528.140	7851.612	25.124	42.719	665.457	391.373	167.190

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	259738.429	139095.4	4.290	34.876	890.124	109.498	71.310	38.188

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12789.779	66.701	0.069	0.519	1393.01	185.775	184.811	0.964
1992	93721	12662.244	12479.149	183.095	0.195	1.446	1335.88	180.485	177.875	2.610
1993	93679	12730.613	12382.864	347.749	0.371	2.732	1316.45	178.900	174.013	4.887
1994	90832	12495.323	11956.545	538.778	0.593	4.312	1257.46	172.983	165.524	7.459
1995	89698	12365.590	11606.960	758.630	0.846	6.135	1222.52	168.534	158.195	10.340
1996	88286	12290.551	11261.682	1028.870	1.165	8.371	1187.66	165.338	151.497	13.841
1997	84777	11719.531	10486.595	1232.936	1.454	10.520	1124.67	155.473	139.117	16.356
1998	82517	11416.794	9946.336	1470.458	1.782	12.880	1079.29	149.327	130.094	19.233
1999	93939	13028.038	11013.484	2014.554	2.145	15.463	1212.16	168.109	142.114	25.995
2000	90039	12426.299	10181.319	2244.980	2.493	18.066	1147.41	158.354	129.745	28.609
2001	86119	11939.281	9419.464	2519.817	2.926	21.105	1085.29	150.461	118.706	31.755
2002	83014	11528.794	8737.098	2791.696	3.363	24.215	1035.91	143.865	109.028	34.837
2003	79302	11048.407	8054.411	2993.996	3.775	27.099	980.336	136.581	99.569	37.012
2004	73861	10375.132	7248.000	3127.131	4.234	30.141	903.963	126.978	88.706	38.272
2005	71649	10051.029	6744.423	3306.606	4.615	32.898	867.197	121.652	81.631	40.021
2006	67551	9542.523	6122.859	3419.665	5.062	35.836	810.467	114.490	73.461	41.029
2007	63503	8936.533	5502.726	3433.807	5.407	38.424	754.310	106.151	65.363	40.788
2008	63171	8944.180	5286.082	3658.099	5.791	40.899	742.239	105.091	62.110	42.981
2009	59747	8390.033	4779.888	3610.146	6.042	43.029	694.108	97.471	55.530	41.941
2010	58008	8157.570	4483.784	3673.786	6.333	45.035	666.189	93.685	51.494	42.191
2011	57368	8035.356	4243.083	3792.273	6.610	47.195	652.644	91.414	48.271	43.143
2012	57411	7970.766	4047.652	3923.114	6.833	49.219	646.453	89.752	45.577	44.175
2013	57067	7743.216	3803.017	3940.199	6.905	50.886	635.688	86.254	42.363	43.891
2014	57538	7774.935	3688.102	4086.833	7.103	52.564	633.906	85.658	40.632	45.025
2015	58395	7722.535	3571.100	4151.435	7.109	53.757	719.266	95.120	43.986	51.134
2016	58658	7600.353	3402.571	4197.782	7.156	55.231	715.621	92.723	41.511	51.212
2017	59004	7470.266	3251.526	4218.740	7.150	56.474	713.034	90.274	39.293	50.981
2018	56077	6907.050	2925.483	3981.567	7.100	57.645	671.224	82.675	35.017	47.658
2019	55886	6732.046	2785.610	3946.437	7.062	58.622	662.462	79.801	33.020	46.780
2020	55313	6429.836	2609.086	3820.749	6.907	59.422	743.037	86.373	35.048	51.325
2021	56292	6562.016	2592.435	3969.581	7.052	60.493	750.730	87.513	34.574	52.940
2022	55827	6352.366	2463.169	3889.197	6.967	61.224	738.885	84.075	32.601	51.475
2023	55338	6134.123	2345.784	3788.339	6.846	61.758	726.728	80.557	30.806	49.751
2024	54770	5922.193	2231.176	3691.016	6.739	62.325	713.771	77.179	29.077	48.102
2025	53295	5504.188	2043.680	3460.508	6.493	62.870	801.612	82.789	30.739	52.050
2026	55278	5641.075	2067.796	3573.279	6.464	63.344	828.283	84.526	30.984	53.542
2027	54199	5426.216	1966.756	3459.460	6.383	63.755	808.875	80.982	29.352	51.630
2028	53090	5197.830	1868.198	3329.631	6.272	64.058	789.020	77.249	27.765	49.485
2029	51974	4973.547	1774.420	3199.127	6.155	64.323	769.023	73.590	26.255	47.335
2030	49479	4450.618	1557.923	2892.695	5.846	64.995	866.605	77.952	27.287	50.665
2031	51987	4555.052	1591.114	2963.938	5.701	65.069	909.317	79.674	27.831	51.843
2032	50677	4349.999	1511.309	2838.690	5.602	65.257	884.689	75.939	26.383	49.556
2033	49380	4147.948	1440.761	2707.187	5.482	65.266	859.955	72.237	25.091	47.146
2034	48076	3966.133	1371.698	2594.436	5.397	65.415	834.943	68.881	23.823	45.058
2035	44518	3289.064	1112.334	2176.730	4.890	66.181	946.825	69.952	23.657	46.295
2036	46347	3313.192	1111.255	2201.938	4.751	66.460	987.211	70.572	23.670	46.902
2037	44841	3117.951	1042.346	2075.605	4.629	66.570	955.859	66.464	22.219	44.245
2038	43378	2949.775	985.926	1963.849	4.527	66.576	924.621	62.876	21.015	41.860
2039	41973	2766.312	926.782	1839.530	4.383	66.498	893.753	58.905	19.735	39.170

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	67036.409	37863.34	2.800	36.095	371.243	28.800	18.405	10.395

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3186.699	20.364	0.063	0.635	469.694	46.342	46.047	0.294
1992	32560	3218.125	3161.509	56.616	0.174	1.759	464.104	45.871	45.064	0.807
1993	32768	3226.680	3119.826	106.855	0.326	3.312	460.480	45.344	43.842	1.502
1994	33005	3277.266	3107.690	169.576	0.514	5.174	456.915	45.370	43.022	2.348
1995	33730	3309.378	3067.094	242.285	0.718	7.321	459.716	45.104	41.802	3.302
1996	33750	3312.987	2985.908	327.079	0.969	9.873	454.019	44.568	40.168	4.400
1997	33699	3267.066	2858.914	408.151	1.211	12.493	447.056	43.341	37.927	5.415
1998	33274	3178.725	2692.826	485.899	1.460	15.286	435.211	41.577	35.221	6.355
1999	33891	3120.351	2556.220	564.131	1.665	18.079	437.317	40.264	32.985	7.279
2000	33827	3142.808	2484.319	658.490	1.947	20.952	431.074	40.050	31.659	8.391
2001	32506	2961.588	2256.192	705.397	2.170	23.818	409.647	37.323	28.433	8.890
2002	32078	2940.627	2148.139	792.488	2.471	26.950	400.295	36.695	26.806	9.889
2003	30568	2819.545	1978.175	841.369	2.752	29.841	377.883	34.855	24.454	10.401
2004	29388	2730.466	1836.344	894.122	3.042	32.746	359.671	33.417	22.474	10.943
2005	27954	2670.510	1726.004	944.507	3.379	35.368	338.339	32.322	20.891	11.432
2006	27201	2623.285	1627.959	995.326	3.659	37.942	326.354	31.474	19.532	11.942
2007	26302	2536.599	1513.783	1022.816	3.889	40.322	312.424	30.131	17.981	12.149
2008	25998	2469.443	1418.896	1050.548	4.041	42.542	305.468	29.015	16.672	12.344
2009	25040	2386.945	1322.386	1064.559	4.251	44.599	290.901	27.730	15.363	12.367
2010	24840	2329.274	1246.581	1082.694	4.359	46.482	285.273	26.750	14.316	12.434
2011	24792	2286.581	1179.172	1107.409	4.467	48.431	282.045	26.013	13.415	12.598
2012	24500	2243.311	1115.733	1127.578	4.602	50.264	275.872	25.260	12.563	12.697
2013	24451	2176.503	1045.091	1131.412	4.627	51.983	272.368	24.245	11.642	12.603
2014	25296	2211.619	1027.662	1183.957	4.680	53.534	278.691	24.366	11.322	13.044
2015	26316	2237.016	1013.967	1223.049	4.648	54.673	324.141	27.554	12.489	15.065
2016	26735	2229.057	983.436	1245.621	4.659	55.881	326.164	27.194	11.998	15.196
2017	27616	2221.649	955.993	1265.657	4.583	56.969	333.726	26.848	11.553	15.295
2018	25256	1939.420	816.241	1123.179	4.447	57.913	302.304	23.214	9.770	13.444
2019	25429	1904.400	782.787	1121.613	4.411	58.896	301.434	22.574	9.279	13.295
2020	25379	1806.054	727.880	1078.174	4.248	59.698	340.922	24.261	9.778	14.483
2021	25448	1748.172	687.708	1060.465	4.167	60.661	339.386	23.314	9.172	14.143
2022	25539	1701.148	656.932	1044.216	4.089	61.383	338.015	22.515	8.695	13.820
2023	25620	1652.087	629.664	1022.423	3.991	61.887	336.461	21.696	8.269	13.427
2024	25659	1597.127	599.407	997.719	3.888	62.470	334.391	20.814	7.812	13.002
2025	25260	1467.622	542.487	925.135	3.663	63.036	379.931	22.075	8.160	13.915
2026	25480	1390.505	507.902	882.603	3.464	63.474	381.790	20.835	7.610	13.225
2027	25264	1342.095	484.333	857.763	3.395	63.912	377.042	20.030	7.228	12.801
2028	25022	1289.536	461.408	828.128	3.310	64.219	371.870	19.165	6.857	12.308
2029	24767	1242.216	440.759	801.457	3.236	64.518	366.459	18.380	6.522	11.859
2030	23959	1096.803	381.580	715.224	2.985	65.210	419.641	19.210	6.683	12.527
2031	23963	1019.991	353.743	666.248	2.780	65.319	419.142	17.841	6.187	11.654
2032	23615	977.406	336.977	640.429	2.712	65.523	412.259	17.063	5.883	11.180
2033	23259	937.450	322.767	614.683	2.643	65.570	405.051	16.326	5.621	10.705
2034	22879	900.763	308.431	592.332	2.589	65.759	397.339	15.644	5.357	10.287
2035	21733	745.023	251.060	493.963	2.273	66.302	462.224	15.845	5.340	10.506
2036	20904	680.360	226.403	453.956	2.172	66.723	445.263	14.492	4.822	9.669
2037	20397	644.109	213.631	430.479	2.111	66.833	434.791	13.730	4.554	9.176
2038	19890	612.448	202.880	409.568	2.059	66.874	423.966	13.055	4.324	8.730
2039	19392	577.529	191.896	385.634	1.989	66.773	412.930	12.298	4.086	8.212

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	651907.310	210143.9	9.729	24.377	593.003	236.673	178.979	57.694

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11589.174	13.759	0.052	0.119	383.818	167.661	167.462	0.199
1992	26828	11831.375	11794.170	37.205	0.139	0.314	382.401	168.642	168.112	0.530
1993	29774	13246.371	13166.217	80.155	0.269	0.605	418.406	186.148	185.021	1.126
1994	29804	13355.662	13228.982	126.679	0.425	0.949	412.601	184.893	183.140	1.754
1995	29755	13397.439	13208.886	188.554	0.634	1.407	405.540	182.598	180.028	2.570
1996	30900	13960.356	13698.167	262.189	0.849	1.878	415.680	187.801	184.274	3.527
1997	31128	14109.552	13769.377	340.175	1.093	2.411	412.949	187.180	182.667	4.513
1998	32096	14599.657	14155.384	444.273	1.384	3.043	419.803	190.958	185.147	5.811
1999	34616	15728.102	15155.825	572.277	1.653	3.639	446.673	202.950	195.565	7.384
2000	34299	15579.803	14896.192	683.611	1.993	4.388	437.088	198.541	189.829	8.712
2001	34592	15696.614	14873.492	823.123	2.380	5.244	435.935	197.812	187.439	10.373
2002	34291	15519.777	14563.792	955.986	2.788	6.160	427.910	193.668	181.739	11.930
2003	35074	15888.389	14758.507	1129.882	3.221	7.111	433.587	196.413	182.446	13.968
2004	33512	15091.573	13868.242	1223.331	3.650	8.106	410.143	184.701	169.729	14.972
2005	35392	15803.656	14345.485	1458.170	4.120	9.227	428.364	191.278	173.629	17.649
2006	33981	15100.563	13553.379	1547.185	4.553	10.246	407.699	181.174	162.611	18.563
2007	34000	14974.384	13266.477	1707.906	5.023	11.406	403.863	177.871	157.584	20.287
2008	37425	16406.197	14368.868	2037.329	5.444	12.418	439.732	192.768	168.830	23.938
2009	36826	16083.194	13874.720	2208.474	5.997	13.732	427.825	186.846	161.189	25.657
2010	36788	15927.400	13571.966	2355.434	6.403	14.789	422.489	182.917	155.866	27.051
2011	37636	16221.836	13615.091	2606.745	6.926	16.069	428.164	184.547	154.891	29.655
2012	38265	16358.849	13532.891	2825.959	7.385	17.275	430.867	184.202	152.382	31.821
2013	40112	16994.822	13828.917	3165.906	7.893	18.629	446.821	189.311	154.045	35.266
2014	40084	16855.093	13487.598	3367.495	8.401	19.979	441.613	185.696	148.595	37.100
2015	42200	17572.483	13883.491	3688.992	8.742	20.993	519.788	216.445	171.006	45.438
2016	42606	17579.955	13632.661	3947.294	9.265	22.453	519.788	214.473	166.317	48.157
2017	44364	18080.688	13757.747	4322.941	9.744	23.909	536.117	218.496	166.255	52.241
2018	45359	18209.262	13601.398	4607.865	10.159	25.305	542.932	217.960	162.805	55.155
2019	46876	18648.302	13657.474	4990.827	10.647	26.763	555.657	221.054	161.894	59.161
2020	48331	19002.597	13712.858	5289.739	10.945	27.837	649.239	255.266	184.208	71.058
2021	48338	18885.717	13340.840	5544.878	11.471	29.360	644.660	251.867	177.918	73.949
2022	49708	19235.076	13341.681	5893.395	11.856	30.639	657.895	254.582	176.581	78.001
2023	51083	19521.158	13303.174	6217.984	12.172	31.853	670.849	256.363	174.705	81.658
2024	52397	19918.620	13308.052	6610.567	12.616	33.188	682.854	259.583	173.433	86.150
2025	53387	20150.545	13230.750	6919.795	12.961	34.340	803.004	303.086	199.005	104.081
2026	54232	20393.792	13107.163	7286.630	13.436	35.730	812.615	305.582	196.399	109.183
2027	55049	20615.351	12965.933	7649.418	13.896	37.105	821.568	307.668	193.507	114.162
2028	55809	20731.894	12776.806	7955.087	14.254	38.371	829.419	308.115	189.887	118.227
2029	56527	20781.967	12544.335	8237.632	14.573	39.638	836.392	307.495	185.609	121.886
2030	56756	20753.201	12281.634	8471.566	14.926	40.821	994.067	363.487	215.110	148.377
2031	58288	21048.417	12312.872	8735.545	14.987	41.502	1019.54	368.165	215.369	152.796
2032	58782	21169.329	12138.500	9030.829	15.363	42.660	1026.18	369.560	211.906	157.654
2033	59236	21109.293	11901.486	9207.807	15.544	43.620	1031.59	367.618	207.264	160.354
2034	59614	21109.429	11686.192	9423.237	15.807	44.640	1035.33	366.613	202.957	163.656
2035	58938	20794.840	11323.961	9470.879	16.069	45.544	1253.51	442.268	240.840	201.428
2036	56014	19354.577	10341.379	9013.198	16.091	46.569	1193.11	412.258	220.274	191.984
2037	55953	19064.169	9955.439	9108.730	16.279	47.779	1192.72	406.385	212.217	194.168
2038	55859	18854.812	9666.833	9187.979	16.449	48.730	1190.66	401.900	206.053	195.846
2039	55757	18437.457	9268.140	9169.317	16.445	49.732	1187.28	392.602	197.353	195.249

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9127140	2946250.006	2308269.703	637980.3	6.990	21.654	2497.76	808.881	631.687	177.194

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58953.560	124.926	0.063	0.211	2877.87	853.678	851.873	1.805
1992	198533	60494.150	60148.252	345.898	0.174	0.572	2829.84	862.271	857.340	4.932
1993	202514	62694.848	62024.262	670.585	0.331	1.070	2845.86	881.034	871.604	9.429
1994	200663	63202.598	62149.095	1053.503	0.525	1.667	2777.90	874.966	860.367	14.599
1995	201033	63766.862	62248.859	1518.003	0.755	2.381	2739.85	869.097	848.382	20.716
1996	201196	64591.163	62522.035	2069.128	1.028	3.203	2706.44	868.908	841.029	27.879
1997	198664	64686.912	62110.962	2575.950	1.297	3.982	2635.30	858.147	823.908	34.239
1998	197610	65295.961	62131.575	3164.387	1.601	4.846	2584.36	854.046	812.563	41.483
1999	211384	67327.521	63266.749	4060.773	1.921	6.031	2727.19	868.771	816.242	52.528
2000	208569	67596.897	62875.377	4721.520	2.264	6.985	2657.33	861.419	801.080	60.339
2001	203699	67008.811	61604.167	5404.644	2.653	8.066	2566.35	844.458	776.134	68.324
2002	200946	67067.744	60896.319	6171.425	3.071	9.202	2506.69	836.925	759.649	77.275
2003	196496	66756.217	59903.278	6852.939	3.488	10.266	2428.05	825.244	740.211	85.033
2004	188329	65058.725	57647.738	7410.988	3.935	11.391	2303.71	796.234	705.168	91.066
2005	186617	65214.724	57050.832	8163.892	4.375	12.518	2257.31	789.321	690.085	99.236
2006	180318	63771.146	55057.145	8714.001	4.833	13.664	2161.87	765.117	660.091	105.026
2007	175905	63110.718	53840.305	9270.413	5.270	14.689	2087.71	749.650	638.999	110.651
2008	177875	63718.624	53619.661	10098.96	5.678	15.849	2087.97	748.674	629.412	119.262
2009	173144	62794.698	52189.339	10605.36	6.125	16.889	2009.31	729.515	605.648	123.867
2010	170866	61917.074	50801.409	11115.66	6.505	17.953	1959.90	711.083	582.711	128.372
2011	170727	61680.114	49835.959	11844.15	6.937	19.203	1939.61	701.700	566.181	135.519
2012	171893	62023.127	49399.438	12623.69	7.344	20.353	1932.60	698.386	555.399	142.987
2013	173227	62037.765	48690.821	13346.94	7.705	21.514	1926.40	691.059	541.474	149.585
2014	174756	61921.017	47793.157	14127.86	8.084	22.816	1921.77	682.195	525.576	156.619
2015	178012	61856.204	47087.455	14768.75	8.296	23.876	2187.66	761.899	578.676	183.223
2016	177570	60464.119	45178.651	15285.47	8.608	25.280	2160.98	737.655	549.814	187.841
2017	180102	60243.839	44245.276	15998.56	8.883	26.556	2170.61	728.017	533.250	194.767
2018	178009	60713.327	44115.466	16597.86	9.324	27.338	2124.55	726.721	526.520	200.201
2019	180163	61148.172	43737.478	17410.69	9.664	28.473	2128.96	724.841	516.840	208.002
2020	181492	61149.317	43260.513	17888.80	9.857	29.254	2428.81	821.432	578.931	242.502
2021	179203	58727.786	40578.813	18148.97	10.128	30.904	2380.25	783.216	538.983	244.232
2022	180584	58848.802	40077.407	18771.40	10.395	31.898	2379.76	778.881	528.146	250.734
2023	181906	58816.149	39505.841	19310.31	10.616	32.832	2377.92	772.407	516.432	255.975
2024	182967	58955.232	39008.586	19946.65	10.902	33.834	2372.87	768.316	505.894	262.422
2025	181867	58297.744	38136.142	20161.60	11.086	34.584	2719.56	876.861	570.270	306.592
2026	181859	56469.971	36149.593	20320.38	11.174	35.984	2708.25	846.150	538.340	307.810
2027	181252	56209.427	35404.042	20805.39	11.479	37.014	2687.56	838.883	524.963	313.920
2028	180482	55733.105	34578.265	21154.84	11.721	37.957	2664.10	828.298	510.410	317.888
2029	179615	55145.838	33674.738	21471.10	11.954	38.935	2638.74	815.951	494.718	321.233
2030	175475	53615.097	32334.648	21280.45	12.127	39.691	3047.51	939.056	561.563	377.493
2031	177012	52046.561	30965.395	21081.17	11.909	40.504	3068.92	910.364	536.858	373.505
2032	175513	51582.636	30243.971	21338.66	12.158	41.368	3035.88	900.496	523.136	377.360
2033	173956	50839.758	29444.536	21395.22	12.299	42.084	3000.53	885.375	507.883	377.491
2034	172254	50215.451	28691.036	21524.41	12.496	42.864	2961.95	872.104	493.348	378.756
2035	164981	47773.075	27057.146	20715.93	12.557	43.363	3468.04	1016.05	568.764	447.282
2036	158604	43298.709	23992.372	19306.34	12.173	44.589	3337.60	922.274	504.886	417.388
2037	155999	42241.563	23007.213	19234.35	12.330	45.534	3284.04	900.450	484.340	416.111
2038	153405	41356.353	22237.567	19118.79	12.463	46.229	3228.03	881.531	467.934	413.597
2039	150882	40161.050	21272.439	18888.61	12.519	47.032	3170.52	855.178	447.001	408.176

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2338762	1580465.217	1325678.382	254786.8	10.894	16.121	640.032	433.910	362.789	71.122

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31387.908	24.103	0.055	0.077	631.345	453.901	453.552	0.348
1992	45423	32782.407	32713.347	69.059	0.152	0.211	647.451	467.274	466.289	0.985
1993	46291	33491.183	33355.055	136.128	0.294	0.406	650.517	470.643	468.726	1.916
1994	47018	34074.347	33855.156	219.192	0.466	0.643	650.901	471.719	468.677	3.042
1995	47842	34694.454	34364.559	329.895	0.690	0.951	652.038	472.861	468.350	4.511
1996	48248	35027.269	34573.968	453.301	0.940	1.294	649.020	471.202	465.080	6.122
1997	49041	35590.763	34992.559	598.204	1.220	1.681	650.539	472.153	464.180	7.973
1998	49696	36100.785	35331.954	768.830	1.547	2.130	649.923	472.184	462.075	10.109
1999	48896	35451.030	34533.641	917.389	1.876	2.588	630.837	457.448	445.539	11.908
2000	50349	36447.986	35303.721	1144.265	2.273	3.139	641.487	464.474	449.796	14.678
2001	50413	36411.326	35042.633	1368.694	2.715	3.759	635.136	458.863	441.493	17.370
2002	51476	37078.545	35432.271	1646.274	3.198	4.440	642.133	462.696	441.999	20.697
2003	51446	36999.876	35093.919	1905.957	3.705	5.151	635.711	457.395	433.647	23.747
2004	51446	36861.555	34674.456	2187.099	4.251	5.933	629.305	451.138	424.151	26.987
2005	51477	36689.529	34210.338	2479.191	4.816	6.757	622.662	444.069	413.807	30.261
2006	51421	36504.774	33725.838	2778.936	5.404	7.613	616.494	437.979	404.346	33.633
2007	51916	36663.202	33527.264	3135.938	6.040	8.553	616.163	435.498	397.915	37.582
2008	51063	35898.803	32509.725	3389.078	6.637	9.441	599.405	421.800	381.614	40.186
2009	51293	35934.525	32173.373	3761.153	7.333	10.467	595.247	417.468	373.367	44.101
2010	50965	35502.829	31456.557	4046.272	7.939	11.397	584.589	407.730	360.818	46.912
2011	50633	35136.342	30751.717	4384.625	8.660	12.479	575.241	399.726	349.367	50.359
2012	51386	35450.201	30651.995	4798.206	9.338	13.535	577.728	399.173	344.621	54.552
2013	51224	35123.224	29957.067	5166.157	10.085	14.709	569.646	391.249	333.142	58.107
2014	51423	35079.370	29529.059	5550.311	10.794	15.822	565.489	386.476	324.728	61.748
2015	50629	34324.171	28550.929	5773.242	11.403	16.820	622.198	422.780	350.873	71.906
2016	49051	33054.753	27087.737	5967.015	12.165	18.052	596.935	403.264	329.652	73.612
2017	48537	32471.234	26201.402	6269.832	12.918	19.309	584.978	392.399	315.783	76.616
2018	50705	33657.595	26689.238	6968.357	13.743	20.704	605.167	402.871	318.537	84.334
2019	51299	33863.424	26421.878	7441.546	14.506	21.975	606.195	401.412	312.224	89.188
2020	51731	33910.830	26113.932	7796.897	15.072	22.992	692.287	455.532	349.468	106.064
2021	48326	31531.880	23856.656	7675.224	15.882	24.341	641.886	420.521	316.873	103.648
2022	48647	31560.212	23508.091	8052.122	16.552	25.514	641.075	417.708	309.793	107.915
2023	48934	31508.781	23113.408	8395.373	17.157	26.645	639.680	413.791	302.145	111.646
2024	49142	31517.293	22749.430	8767.863	17.842	27.819	637.317	410.740	295.032	115.707
2025	48859	31175.389	22192.212	8983.177	18.386	28.815	730.610	468.912	331.852	137.060
2026	45707	29044.598	20331.901	8712.696	19.062	29.998	680.672	435.206	302.783	132.423
2027	45511	28825.765	19846.181	8979.583	19.730	31.151	674.831	430.203	294.275	135.928
2028	45267	28513.846	19325.664	9188.181	20.298	32.224	668.180	423.769	285.267	138.503
2029	44985	28148.109	18764.084	9384.025	20.860	33.338	660.875	416.486	275.664	140.822
2030	43857	27314.475	17957.527	9356.948	21.335	34.256	761.678	478.407	311.872	166.534
2031	41214	25423.102	16540.428	8882.673	21.552	34.939	714.550	444.684	286.767	157.916
2032	40811	25085.902	16084.050	9001.851	22.058	35.884	705.911	437.933	278.209	159.724
2033	40386	24645.067	15601.447	9043.620	22.393	36.695	696.612	429.194	269.106	160.087
2034	39926	24239.126	15141.652	9097.475	22.786	37.532	686.538	420.967	260.364	160.603
2035	37986	22944.147	14183.459	8760.688	23.063	38.183	798.507	487.980	298.148	189.832
2036	33478	19950.581	12133.425	7817.155	23.350	39.183	704.493	424.953	255.331	169.622
2037	32903	19415.334	11615.776	7799.558	23.705	40.172	692.668	413.871	244.531	169.339
2038	32330	18939.317	11200.334	7738.983	23.938	40.862	680.301	403.701	235.683	168.018
2039	31771	18379.752	10705.259	7674.492	24.156	41.755	667.605	391.373	224.951	166.422

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3255407	398833.796	260201.587	138632.2	4.259	34.759	890.883	109.498	71.207	38.291

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12789.779	66.701	0.069	0.519	1393.01	185.775	184.811	0.964
1992	93721	12662.244	12479.184	183.060	0.195	1.446	1335.88	180.485	177.875	2.610
1993	93680	12730.613	12382.995	347.618	0.371	2.731	1316.45	178.900	174.014	4.886
1994	90834	12495.323	11956.852	538.471	0.593	4.309	1257.47	172.983	165.526	7.457
1995	89702	12365.590	11607.532	758.058	0.845	6.130	1222.54	168.534	158.198	10.337
1996	88293	12290.551	11262.619	1027.933	1.164	8.364	1187.70	165.338	151.502	13.836
1997	84788	11719.531	10487.968	1231.564	1.453	10.509	1124.72	155.473	139.124	16.349
1998	82532	11416.794	9948.237	1468.558	1.779	12.863	1079.36	149.327	130.104	19.223
1999	93963	13028.038	11016.411	2011.627	2.141	15.441	1212.28	168.109	142.129	25.980
2000	90070	12426.299	10184.973	2241.326	2.488	18.037	1147.56	158.354	129.764	28.590
2001	86158	11939.281	9423.854	2515.428	2.920	21.069	1085.48	150.461	118.729	31.733
2002	83062	11528.794	8742.215	2786.579	3.355	24.171	1036.16	143.865	109.055	34.811
2003	79360	11048.407	8060.251	2988.156	3.765	27.046	980.629	136.581	99.599	36.982
2004	73927	10375.132	7254.363	3120.769	4.221	30.079	904.303	126.978	88.738	38.240
2005	71726	10051.029	6751.435	3299.594	4.600	32.828	867.593	121.652	81.665	39.987
2006	67637	9542.523	6130.278	3412.246	5.045	35.758	810.910	114.490	73.497	40.993
2007	63597	8936.533	5510.405	3426.129	5.387	38.338	754.792	106.151	65.400	40.751
2008	63278	8944.180	5294.452	3649.728	5.768	40.806	742.789	105.091	62.149	42.943
2009	59863	8390.033	4788.461	3601.572	6.016	42.927	694.700	97.471	55.569	41.902
2010	58135	8157.570	4492.753	3664.816	6.304	44.925	666.832	93.685	51.534	42.152
2011	57509	8035.356	4252.485	3782.871	6.578	47.078	653.350	91.414	48.312	43.102
2012	57567	7970.766	4057.451	3913.315	6.798	49.096	647.229	89.752	45.618	44.134
2013	57239	7743.216	3813.146	3930.070	6.866	50.755	636.541	86.254	42.405	43.849
2014	57729	7774.935	3698.782	4076.153	7.061	52.427	634.840	85.658	40.675	44.983
2015	58608	7722.535	3582.464	4140.071	7.064	53.610	720.261	95.120	44.026	51.094
2016	58892	7600.353	3414.336	4186.018	7.108	55.077	716.705	92.723	41.552	51.172
2017	59261	7470.266	3263.703	4206.563	7.098	56.311	714.216	90.274	39.335	50.940
2018	56342	6907.050	2937.255	3969.795	7.046	57.475	672.439	82.675	35.056	47.619
2019	56172	6732.046	2797.702	3934.345	7.004	58.442	663.778	79.801	33.060	46.741
2020	55622	6429.836	2621.478	3808.358	6.847	59.229	744.361	86.373	35.082	51.292
2021	56628	6562.016	2605.499	3956.517	6.987	60.294	752.149	87.513	34.607	52.906
2022	56184	6352.366	2476.417	3875.949	6.899	61.016	740.400	84.075	32.635	51.441
2023	55716	6134.123	2359.212	3774.911	6.775	61.540	728.341	80.557	30.840	49.716
2024	55169	5922.193	2244.730	3677.462	6.666	62.096	715.481	77.179	29.111	48.068
2025	53714	5504.188	2057.323	3446.864	6.417	62.623	803.219	82.789	30.764	52.025
2026	55738	5641.075	2082.394	3558.682	6.385	63.085	830.050	84.526	31.011	53.515
2027	54677	5426.216	1981.434	3444.781	6.300	63.484	810.738	80.982	29.380	51.602
2028	53586	5197.830	1882.875	3314.955	6.186	63.776	790.980	77.249	27.793	49.456
2029	52486	4973.547	1789.087	3184.460	6.067	64.028	771.080	73.590	26.284	47.306
2030	50004	4450.618	1572.298	2878.320	5.756	64.672	868.422	77.952	27.306	50.645
2031	52568	4555.052	1606.469	2948.583	5.609	64.732	911.392	79.674	27.852	51.822
2032	51273	4349.999	1526.554	2823.445	5.507	64.907	886.874	75.939	26.405	49.534
2033	49989	4147.948	1455.942	2692.006	5.385	64.900	862.250	72.237	25.113	47.123
2034	48696	3966.133	1386.741	2579.392	5.297	65.035	837.342	68.881	23.845	45.036
2035	45139	3289.064	1126.440	2162.625	4.791	65.752	948.867	69.952	23.679	46.274
2036	47021	3313.192	1125.728	2187.464	4.652	66.023	989.487	70.572	23.689	46.883
2037	45518	3117.951	1056.320	2061.632	4.529	66.121	958.233	66.464	22.237	44.227
2038	44058	2949.775	999.532	1950.243	4.427	66.115	927.088	62.876	21.033	41.843
2039	42654	2766.312	939.883	1826.429	4.282	66.024	896.305	58.905	19.750	39.155

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1358521	104899.750	67142.779	37756.97	2.779	35.993	371.777	28.800	18.374	10.425

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3186.699	20.364	0.063	0.635	469.694	46.342	46.047	0.294
1992	32560	3218.125	3161.517	56.608	0.174	1.759	464.104	45.871	45.064	0.807
1993	32768	3226.680	3119.856	106.824	0.326	3.311	460.481	45.344	43.842	1.501
1994	33006	3277.266	3107.763	169.503	0.514	5.172	456.919	45.370	43.023	2.347
1995	33732	3309.378	3067.231	242.147	0.718	7.317	459.723	45.104	41.803	3.302
1996	33753	3312.987	2986.133	326.854	0.968	9.866	454.031	44.568	40.169	4.399
1997	33703	3267.066	2859.250	407.816	1.210	12.483	447.075	43.341	37.928	5.413
1998	33280	3178.725	2693.288	485.437	1.459	15.271	435.238	41.577	35.223	6.353
1999	33899	3120.351	2556.826	563.525	1.662	18.060	437.356	40.264	32.987	7.277
2000	33838	3142.808	2485.109	657.699	1.944	20.927	431.125	40.050	31.662	8.388
2001	32520	2961.588	2257.122	704.466	2.166	23.787	409.713	37.323	28.437	8.886
2002	32096	2940.627	2149.242	791.386	2.466	26.912	400.380	36.695	26.811	9.885
2003	30589	2819.545	1979.421	840.124	2.746	29.796	377.986	34.855	24.459	10.396
2004	29413	2730.466	1837.731	892.735	3.035	32.695	359.795	33.417	22.480	10.938
2005	27983	2670.510	1727.522	942.988	3.370	35.311	338.480	32.322	20.896	11.426
2006	27234	2623.285	1629.638	993.648	3.648	37.878	326.520	31.474	19.538	11.936
2007	26340	2536.599	1515.571	1021.029	3.876	40.252	312.611	30.131	17.987	12.143
2008	26041	2469.443	1420.803	1048.640	4.027	42.465	305.683	29.015	16.678	12.337
2009	25088	2386.945	1324.394	1062.551	4.235	44.515	291.137	27.730	15.369	12.361
2010	24894	2329.274	1248.702	1080.573	4.341	46.391	285.539	26.750	14.323	12.427
2011	24852	2286.581	1181.403	1105.178	4.447	48.333	282.342	26.013	13.422	12.591
2012	24566	2243.311	1118.046	1125.265	4.581	50.161	276.198	25.260	12.570	12.690
2013	24524	2176.503	1047.477	1129.027	4.604	51.873	272.728	24.245	11.649	12.596
2014	25380	2211.619	1030.235	1181.384	4.655	53.417	279.102	24.366	11.329	13.036
2015	26413	2237.016	1016.773	1220.243	4.620	54.548	324.594	27.554	12.496	15.058
2016	26842	2229.057	986.400	1242.657	4.629	55.748	326.663	27.194	12.004	15.190
2017	27737	2221.649	959.159	1262.491	4.552	56.827	334.292	26.848	11.560	15.288
2018	25377	1939.420	819.194	1120.226	4.414	57.761	302.873	23.214	9.777	13.437
2019	25562	1904.400	785.843	1118.556	4.376	58.735	302.059	22.574	9.286	13.288
2020	25524	1806.054	731.022	1075.032	4.212	59.524	341.568	24.261	9.783	14.478
2021	25605	1748.172	690.925	1057.248	4.129	60.477	340.095	23.314	9.177	14.137
2022	25708	1701.148	660.214	1040.934	4.049	61.190	338.782	22.515	8.700	13.815
2023	25802	1652.087	633.015	1019.072	3.950	61.684	337.286	21.696	8.275	13.421
2024	25853	1597.127	602.786	994.340	3.846	62.258	335.276	20.814	7.817	12.997
2025	25465	1467.622	545.883	921.739	3.620	62.805	380.796	22.075	8.163	13.912
2026	25702	1390.505	511.309	879.196	3.421	63.229	382.749	20.835	7.614	13.221
2027	25497	1342.095	487.762	854.333	3.351	63.657	378.063	20.030	7.232	12.797
2028	25266	1289.536	464.842	824.694	3.264	63.953	372.956	19.165	6.862	12.303
2029	25023	1242.216	444.207	798.009	3.189	64.241	367.611	18.380	6.526	11.854
2030	24225	1096.803	384.944	711.859	2.939	64.903	420.720	19.210	6.685	12.525
2031	24245	1019.991	357.022	662.969	2.734	64.998	420.341	17.841	6.190	11.651
2032	23908	977.406	340.235	637.171	2.665	65.190	413.538	17.063	5.885	11.178
2033	23562	937.450	326.023	611.427	2.595	65.222	406.410	16.326	5.624	10.702
2034	23191	900.763	311.660	589.103	2.540	65.400	398.777	15.644	5.359	10.285
2035	22051	745.023	254.091	490.933	2.226	65.895	463.537	15.845	5.341	10.504
2036	21225	680.360	229.200	451.159	2.126	66.312	446.648	14.492	4.823	9.669
2037	20723	644.109	216.335	427.774	2.064	66.413	436.254	13.730	4.554	9.176
2038	20221	612.448	205.510	406.938	2.012	66.444	425.505	13.055	4.324	8.730
2039	19728	577.529	194.431	383.099	1.942	66.334	414.540	12.298	4.086	8.212

Results for PHIM for Run 10 (Sensitivity_Analysis_1.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.3 Dual:0.65
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2174450	862051.244	655246.955	206804.3	9.511	23.990	595.066	236.673	179.317	57.356

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11589.174	13.759	0.052	0.119	383.818	167.661	167.462	0.199
1992	26828	11831.375	11794.204	37.171	0.139	0.314	382.401	168.642	168.112	0.530
1993	29774	13246.371	13166.356	80.015	0.269	0.604	418.408	186.148	185.022	1.126
1994	29805	13355.662	13229.325	126.337	0.424	0.946	412.605	184.893	183.141	1.752
1995	29756	13397.439	13209.537	187.902	0.631	1.403	405.547	182.598	180.031	2.567
1996	30903	13960.356	13699.316	261.040	0.845	1.870	415.693	187.801	184.279	3.521
1997	31132	14109.552	13771.185	338.367	1.087	2.398	412.969	187.180	182.676	4.504
1998	32102	14599.657	14158.096	441.562	1.375	3.024	419.834	190.958	185.161	5.797
1999	34625	15728.102	15159.871	568.232	1.641	3.613	446.720	202.950	195.587	7.363
2000	34311	15579.803	14901.573	678.230	1.977	4.353	437.152	198.541	189.857	8.683
2001	34608	15696.614	14880.557	816.057	2.358	5.199	436.020	197.812	187.476	10.336
2002	34312	15519.777	14572.591	947.186	2.761	6.103	428.019	193.668	181.785	11.883
2003	35100	15888.389	14769.687	1118.702	3.187	7.041	433.728	196.413	182.506	13.908
2004	33543	15091.573	13881.188	1210.385	3.608	8.020	410.312	184.701	169.800	14.902
2005	35431	15803.656	14361.537	1442.119	4.070	9.125	428.577	191.278	173.717	17.562
2006	34026	15100.563	13571.392	1529.172	4.494	10.127	407.943	181.174	162.710	18.464
2007	34052	14974.384	13287.066	1687.317	4.955	11.268	404.148	177.871	157.696	20.174
2008	37492	16406.197	14394.680	2011.517	5.365	12.261	440.095	192.768	168.971	23.796
2009	36901	16083.194	13903.111	2180.083	5.908	13.555	428.227	186.846	161.343	25.503
2010	36872	15927.400	13603.397	2324.004	6.303	14.591	422.941	182.917	156.036	26.881
2011	37733	16221.836	13650.355	2571.481	6.815	15.852	428.677	184.547	155.080	29.466
2012	38375	16358.849	13571.946	2786.903	7.262	17.036	431.446	184.202	152.590	31.613
2013	40239	16994.822	13873.131	3121.691	7.758	18.368	447.488	189.311	154.278	35.032
2014	40224	16855.093	13535.082	3320.012	8.254	19.697	442.340	185.696	148.844	36.852
2015	42363	17572.483	13937.289	3635.193	8.581	20.687	520.609	216.445	171.281	45.164
2016	42785	17579.955	13690.177	3889.778	9.092	22.126	520.679	214.473	166.606	47.867
2017	44567	18080.688	13821.012	4259.676	9.558	23.559	537.124	218.496	166.573	51.923
2018	45586	18209.262	13669.779	4539.483	9.958	24.930	544.068	217.960	163.149	54.810
2019	47130	18648.302	13732.054	4916.247	10.431	26.363	556.930	221.054	162.270	58.784
2020	48616	19002.597	13794.081	5208.516	10.714	27.409	650.594	255.266	184.598	70.668
2021	48644	18885.717	13425.733	5459.985	11.224	28.911	646.115	251.867	178.326	73.541
2022	50045	19235.076	13432.685	5802.391	11.594	30.166	659.501	254.582	177.018	77.564
2023	51454	19521.158	13400.206	6120.952	11.896	31.355	672.617	256.363	175.171	81.191
2024	52803	19918.620	13411.639	6506.981	12.323	32.668	684.793	259.583	173.933	85.651
2025	53829	20150.545	13340.723	6809.821	12.651	33.795	804.935	303.086	199.491	103.595
2026	54713	20393.792	13223.989	7169.804	13.104	35.157	814.779	305.582	196.932	108.650
2027	55566	20615.351	13088.663	7526.688	13.545	36.510	823.926	307.668	194.076	113.593
2028	56364	20731.894	12904.884	7827.010	13.887	37.753	831.984	308.115	190.489	117.625
2029	57121	20781.967	12677.361	8104.606	14.188	38.998	839.173	307.495	186.244	121.251
2030	57389	20753.201	12419.879	8333.321	14.521	40.154	996.687	363.487	215.699	147.789
2031	58985	21048.417	12461.476	8586.941	14.558	40.796	1022.64	368.165	216.049	152.116
2032	59522	21169.329	12293.131	8876.198	14.913	41.930	1029.56	369.560	212.637	156.923
2033	60019	21109.293	12061.124	9048.169	15.076	42.863	1035.25	367.618	208.040	159.578
2034	60441	21109.429	11850.983	9258.446	15.318	43.859	1039.29	366.613	203.780	162.833
2035	59804	20794.840	11493.157	9301.683	15.554	44.731	1257.13	442.268	241.596	200.672
2036	56881	19354.577	10504.018	8850.558	15.560	45.729	1196.97	412.258	221.042	191.215
2037	56855	19064.169	10118.782	8945.387	15.734	46.923	1196.89	406.385	213.017	193.368
2038	56796	18854.812	9832.191	9022.621	15.886	47.853	1195.14	401.900	206.894	195.006
2039	56730	18437.457	9432.866	9004.591	15.873	48.839	1192.07	392.602	198.214	194.387

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

Estimated Loss of Life from the E Component for Run: 2, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	32891881.475	9201666.47
	Female	2039	23817891.273	19137133.006	4680758.27
Lung cancer	Males	2039	18222549.860	16184047.638	2038502.22
	Female	2039	12512468.845	10883917.797	1628551.05
IHD	Males	2039	15635992.616	10418363.359	5217629.26
	Female	2039	4798769.065	3231600.633	1567168.43
Stroke	Males	2039	2389546.238	1649131.959	740414.278
	Female	2039	1665361.569	1181080.738	484280.831
COPD	Males	2039	5845459.234	4640338.519	1205120.71
	Female	2039	4841291.793	3840533.838	1000757.96

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	32994665.302	9098882.65
	Female	2039	23817891.273	19173555.872	4644335.40
Lung cancer	Males	2039	18222549.860	16237404.896	1985144.96
	Female	2039	12512468.845	10905064.701	1607404.14
IHD	Males	2039	15635992.616	10441503.235	5194489.38
	Female	2039	4798769.065	3235313.905	1563455.16
Stroke	Males	2039	2389546.238	1652674.703	736871.535
	Female	2039	1665361.569	1182163.346	483198.224
COPD	Males	2039	5845459.234	4663082.467	1182376.77
	Female	2039	4841291.793	3851013.921	990277.872

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2574467.250	5398.108
		1992	3830683.831	3810804.424	19879.407
		1993	5076567.803	5030359.128	46208.675
		1994	6292145.526	6205991.499	86154.027
		1995	7485537.010	7344156.770	141380.239
		1996	8655955.028	8443687.119	212267.908
		1997	9791729.713	9493745.720	297983.993
		1998	10899134.186	10501834.322	397299.863
		1999	12070409.674	11541591.570	528818.104
		2000	13231384.595	12555132.505	676252.090
		2001	14371761.018	13532591.023	839169.995
		2002	15508906.386	14488660.502	1020245.88
		2003	16638100.422	15421671.209	1216429.21
		2004	17736465.088	16315292.125	1421172.96
		2005	18834658.606	17195219.631	1639438.98
		2006	19909100.501	18040315.720	1868784.78
		2007	20958321.463	18853564.758	2104756.71
		2008	22000068.148	19651157.862	2348910.29
		2009	23018816.903	20421280.923	2597535.98
		2010	24018480.537	21166589.838	2851890.70
		2011	25003034.574	21890725.098	3112309.48
		2012	25969871.429	22591635.822	3378235.61
		2013	26920275.180	23271142.779	3649132.40
		2014	27849005.227	23925881.253	3923123.97
		2015	28749620.400	24555031.490	4194588.91
		2016	29622417.562	25153829.716	4468587.85
		2017	30462559.724	25720911.456	4741648.27
		2018	31293299.299	26279286.315	5014012.98
		2019	32109993.427	26822992.191	5287001.24
		2020	32883323.977	27336445.932	5546878.05
		2021	33610102.554	27807335.866	5802766.69
		2022	34322010.448	28263542.530	6058467.92
		2023	35018383.550	28705190.808	6313192.74
		2024	35700177.955	29133502.888	6566675.07
		2025	36315500.346	29521625.212	6793875.13
		2026	36896159.343	29877487.331	7018672.01
		2027	37462570.116	30221266.293	7241303.82
		2028	38015337.780	30552569.204	7462768.58
		2029	38554814.764	30873286.028	7681528.74
		2030	39003805.400	31143415.191	7860390.21
		2031	39436509.703	31395944.213	8040565.49
2032	39858470.458	31639668.742	8218801.72		
2033	40270147.082	31873668.874	8396478.21		
2034	40672665.743	32100956.638	8571709.10		
2035	40962732.664	32267666.087	8695066.58		
2036	41255021.653	32431591.084	8823430.57		
2037	41540573.023	32590444.217	8950128.81		
2038	41820158.066	32743303.682	9076854.38		
2039	42093547.949	32891881.475	9201666.47		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1180712.624	1858.629
		1992	1777346.679	1770334.323	7012.356
		1993	2380261.899	2363517.914	16743.985
		1994	2983130.039	2951145.250	31984.789
		1995	3588982.584	3535552.875	53429.709
		1996	4195430.235	4113098.876	82331.359
		1997	4793866.694	4676530.625	117336.070
		1998	5389747.381	5230686.473	159060.908
		1999	6006722.467	5793971.895	212750.572
		2000	6625758.871	6352164.418	273594.453
		2001	7245135.411	6902374.332	342761.079
		2002	7867492.021	7447028.796	420463.225
		2003	8485051.793	7980089.782	504962.011
		2004	9092994.774	8497689.612	595305.162
		2005	9706032.803	9012910.615	693122.188
		2006	10311907.548	9514940.629	796966.920
		2007	10909437.502	10004583.835	904853.668
		2008	11506462.491	10486076.812	1020385.68
		2009	12098393.287	10958973.302	1139419.98
		2010	12681188.981	11418873.756	1262315.22

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

		2011	13260062.991	11869462.778	1390600.21
		2012	13839417.441	12314417.467	1524999.97
		2013	14409614.758	12747625.529	1661989.23
		2014	14976658.746	13172032.750	1804626.00
		2015	15529977.821	13581668.661	1948309.16
		2016	16066640.764	13973190.774	2093449.99
		2017	16590035.078	14350103.195	2239931.88
		2018	17098716.137	14715109.126	2383607.01
		2019	17599868.850	15070962.794	2528906.06
		2020	18081346.241	15410705.976	2670640.27
		2021	18537594.460	15727411.524	2810182.94
		2022	18985300.234	16035113.194	2950187.04
		2023	19423958.747	16334041.072	3089917.68
		2024	19853347.772	16623686.106	3229661.67
		2025	20252822.245	16892220.195	3360602.05
		2026	20619307.063	17134383.073	3484923.99
		2027	20976063.406	17368006.647	3608056.76
		2028	21323641.947	17593962.153	3729679.79
		2029	21662117.106	17811843.222	3850273.88
		2030	21960971.694	18003696.320	3957275.37
		2031	22224951.983	18169862.754	4055089.23
		2032	22480397.853	18329316.539	4151081.31
		2033	22728639.455	18483128.064	4245511.39
		2034	22970448.888	18631150.097	4339298.79
		2035	23164154.188	18749174.708	4414979.48
		2036	23334538.616	18851188.011	4483350.61
		2037	23499760.723	18949501.405	4550259.32
		2038	23660308.401	19044686.029	4615622.37
		2039	23817891.273	19137133.006	4680758.27
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177333.965	410.148
		1992	1750034.892	1748507.718	1527.173
		1993	2319752.308	2316057.199	3695.108
		1994	2872597.339	2865478.829	7118.510
		1995	3411494.825	3399468.422	12026.403
		1996	3945569.726	3926696.932	18872.793
		1997	4463316.362	4435718.428	27597.934
		1998	4975301.180	4936762.371	38538.809
		1999	5473691.125	5421897.923	51793.202
		2000	5977500.570	5909386.193	68114.377
		2001	6474795.516	6387409.996	87385.520
		2002	6968769.705	6858859.532	109910.173
		2003	7460282.140	7324310.879	135971.261
		2004	7947048.275	7781624.667	165423.609
		2005	8430571.669	8232193.502	198378.167
		2006	8903945.390	8669369.080	234576.310
		2007	9364177.982	9090534.297	273643.685
		2008	9822525.458	9505789.330	316736.128
		2009	10275228.886	9911891.988	363336.898
		2010	10720275.500	10307226.469	413049.031
		2011	11155356.373	10689808.565	465547.809
		2012	11582611.617	11061141.800	521469.816
		2013	11998803.791	11418823.799	579979.992
		2014	12402087.090	11761623.977	640463.113
		2015	12793451.706	12090850.390	702601.315
		2016	13160101.653	12395724.654	764376.999
		2017	13503583.414	12677968.695	825614.719
		2018	13859755.737	12966724.795	893030.942
		2019	14211625.176	13248620.560	963004.616
		2020	14553935.288	13520108.335	1033826.95
		2021	14851747.495	13753438.739	1098308.76
		2022	15144531.004	13979994.669	1164536.34
		2023	15431932.496	14199878.390	1232054.11
		2024	15713920.740	14413201.812	1300718.93
		2025	15979112.816	14612329.920	1366782.90
		2026	16206550.153	14780680.710	1425869.44
		2027	16428826.050	14943233.418	1485592.63
		2028	16645902.186	15100155.658	1545746.53
		2029	16858126.517	15252037.686	1606088.83
		2030	17045220.687	15385395.609	1659825.08
		2031	17208482.610	15499983.896	1708498.71
		2032	17367586.074	15610560.438	1757025.64
		2033	17522716.280	15716963.799	1805752.48
		2034	17674226.555	15820062.795	1854163.76
		2035	17792201.734	15900091.215	1892110.52
		2036	17903508.236	15974687.065	1928821.17
		2037	18012162.345	16046890.323	1965272.02
		2038	18118464.470	16116426.686	2002037.78

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

		2039	18222549.860	16184047.638	2038502.22
	Female	1990	307897.357	307897.357	0.000
		1991	616547.418	616287.110	260.307
		1992	931086.773	930058.102	1028.671
		1993	1246155.671	1243627.088	2528.583
		1994	1561212.934	1556250.276	4962.658
		1995	1879967.742	1871365.419	8602.323
		1996	2197488.109	2183884.273	13603.836
		1997	2515698.453	2495492.332	20206.120
		1998	2836249.556	2807683.556	28566.000
		1999	3150201.390	3111562.259	38639.131
		2000	3472722.342	3421757.475	50964.868
		2001	3796994.889	3731314.577	65680.313
		2002	4126619.935	4043502.955	83116.980
		2003	4454982.533	4351974.869	103007.664
		2004	4784343.030	4658647.404	125695.627
		2005	5113443.121	4962396.119	151047.002
		2006	5442543.963	5263061.717	179482.246
		2007	5772441.497	5561491.527	210949.969
		2008	6091911.943	5847439.431	244472.512
		2009	6413671.330	6132254.566	281416.764
		2010	6730763.530	6410200.224	320563.306
		2011	7043614.101	6681317.220	362296.881
		2012	7356270.780	6949228.418	407042.362
		2013	7662551.964	7208689.252	453862.712
		2014	7964551.465	7461650.149	502901.315
		2015	8254895.403	7702503.222	552392.180
		2016	8530661.848	7928502.260	602159.588
		2017	8795826.122	8143386.593	652439.529
		2018	9067233.707	8360624.754	706608.953
		2019	9335343.270	8572708.634	762634.636
		2020	9596110.883	8776912.887	819197.996
		2021	9833186.859	8960661.827	872525.031
		2022	10066452.037	9139386.215	927065.822
		2023	10295503.609	9313106.187	982397.423
		2024	10520125.318	9481550.661	1038574.66
		2025	10731915.863	9639023.904	1092891.96
		2026	10917495.549	9775549.129	1141946.42
		2027	11098620.885	9907369.910	1191250.98
		2028	11275441.234	10034925.672	1240515.56
		2029	11447962.710	10158000.826	1289961.88
		2030	11601867.623	10267010.511	1334857.11
		2031	11731666.516	10357830.926	1373835.59
		2032	11857585.969	10445086.660	1412499.31
		2033	11980128.625	10529282.379	1450846.25
		2034	12099562.464	10610366.752	1489195.71
		2035	12195919.946	10675154.632	1520765.31
		2036	12278201.969	10729937.630	1548264.34
		2037	12358146.336	10782837.552	1575308.78
		2038	12435978.633	10834096.492	1601882.14
		2039	12512468.845	10883917.797	1628551.05
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1014814.667	4404.728
		1992	1509598.614	1493391.252	16207.362
		1993	1992735.299	1955337.584	37397.715
		1994	2462877.575	2393735.080	69142.494
		1995	2928249.390	2815580.158	112669.232
		1996	3377377.730	3209641.940	167735.790
		1997	3809062.472	3575624.589	233437.883
		1998	4222213.867	3913811.954	308401.914
		1999	4708317.743	4297383.718	410934.026
		2000	5182084.396	4658490.814	523593.582
		2001	5644097.705	4997604.165	646493.539
		2002	6107232.129	5325466.069	781766.060
		2003	6561785.704	5636255.984	925529.719
		2004	6996156.348	5923672.620	1072483.73
		2005	7426261.361	6199830.061	1226431.30
		2006	7849012.694	6463035.311	1385977.38
		2007	8255300.530	6709037.563	1546262.97
		2008	8650662.040	6942510.267	1708151.77
		2009	9030818.513	7161928.066	1868890.45
		2010	9403026.327	7372265.196	2030761.13
		2011	9767535.506	7573912.896	2193622.61
		2012	10123044.281	7766717.146	2356327.13
		2013	10470104.786	7951508.110	2518596.68
		2014	10807756.112	8128329.244	2679426.87
		2015	11130681.425	8295094.831	2835586.59
		2016	11448966.506	8457258.222	2991708.28

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

		2017	11758164.882	8612698.250	3145466.63
		2018	12054448.241	8759954.368	3294493.87
		2019	12341606.261	8901465.643	3440140.62
		2020	12600728.939	9027848.640	3572880.30
		2021	12861767.105	9154084.037	3707683.07
		2022	13114168.616	9274888.836	3839279.78
		2023	13357894.797	9390271.426	3967623.37
		2024	13593848.521	9501274.531	4092573.99
		2025	13789177.359	9592461.165	4196716.19
		2026	13993401.656	9687419.772	4305981.88
		2027	14190519.224	9778699.249	4411819.98
		2028	14381193.356	9865681.110	4515512.25
		2029	14565171.927	9949353.775	4615818.15
		2030	14697381.605	10009114.024	4688267.58
		2031	14842203.512	10074535.707	4767667.80
		2032	14982485.826	10137388.948	4845096.88
		2033	15118410.647	10196979.081	4921431.57
		2034	15250284.398	10254876.980	4995407.42
		2035	15322911.166	10286151.914	5036759.25
		2036	15405115.031	10321356.171	5083758.86
		2037	15484709.137	10355293.528	5129415.61
		2038	15561812.193	10387465.650	5174346.54
		2039	15635992.616	10418363.359	5217629.26
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293952.394	1170.068
		1992	439962.920	435619.217	4343.704
		1993	584735.615	574510.156	10225.459
		1994	727640.783	708421.539	19219.244
		1995	868486.937	836938.960	31547.977
		1996	1010321.847	962247.269	48074.579
		1997	1144230.930	1077006.628	67224.301
		1998	1274513.622	1184952.245	89561.377
		1999	1426725.938	1306806.112	119919.826
		2000	1573462.680	1420454.679	153008.000
		2001	1719132.015	1528872.442	190259.573
		2002	1863006.732	1631959.977	231046.755
		2003	2002943.227	1728644.287	274298.940
		2004	2137798.705	1818640.747	319157.958
		2005	2271071.245	1905005.558	366065.688
		2006	2400707.731	1986292.898	414414.833
		2007	2523634.512	2061316.822	462317.690
		2008	2648752.232	2135652.576	513099.656
		2009	2765973.961	2203836.611	562137.350
		2010	2881329.235	2269611.303	611717.932
		2011	2994972.694	2332980.274	661992.419
		2012	3108958.829	2395290.503	713668.325
		2013	3218140.416	2454176.824	763963.592
		2014	3328387.914	2512716.529	815671.385
		2015	3435342.796	2568786.677	866556.119
		2016	3539189.408	2622500.366	916689.042
		2017	3640041.363	2674014.884	966026.479
		2018	3732645.362	2720865.663	1011779.70
		2019	3821421.978	2765371.105	1056050.87
		2020	3902115.950	2805319.072	1096796.88
		2021	3984301.053	2845701.215	1138599.84
		2022	4062629.299	2883922.936	1178706.36
		2023	4137348.729	2920251.977	1217096.75
		2024	4208611.493	2954685.972	1253925.52
		2025	4269419.492	2983774.889	1285644.60
		2026	4330969.998	3013099.596	1317870.40
		2027	4389134.306	3040778.576	1348355.73
		2028	4444222.970	3067000.956	1377222.01
		2029	4496447.877	3091809.765	1404638.11
		2030	4536975.698	3110668.458	1426307.24
		2031	4578338.586	3129982.753	1448355.83
		2032	4617397.784	3148301.231	1469096.55
		2033	4654407.697	3165744.379	1488663.32
		2034	4689913.454	3182384.563	1507528.89
		2035	4712518.190	3192537.029	1519981.16
		2036	4735845.827	3203001.013	1532844.81
		2037	4757958.806	3212958.964	1544999.84
		2038	4778813.806	3222478.961	1556334.84
		2039	4798769.065	3231600.633	1567168.43
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	149009.873	453.145
		1992	222966.278	221294.818	1671.460
		1993	296801.879	292841.740	3960.139
		1994	372453.706	364821.499	7632.206

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

	1995	448401.338	435552.610	12848.728
	1996	523536.301	503857.351	19678.950
	1997	596763.211	568644.408	28118.803
	1998	667546.681	629517.732	38028.950
	1999	734925.407	685764.544	49160.863
	2000	803749.361	741537.225	62212.136
	2001	870081.588	793574.380	76507.208
	2002	935347.140	843167.628	92179.512
	2003	1001627.349	891861.870	109765.480
	2004	1066587.976	938106.357	128481.619
	2005	1130548.052	982186.134	148361.918
	2006	1195132.454	1025313.376	169819.078
	2007	1258974.043	1066652.326	192321.717
	2008	1320124.867	1105062.171	215062.696
	2009	1380776.123	1142129.065	238647.058
	2010	1440048.533	1177441.766	262606.767
	2011	1497484.847	1210823.227	286661.619
	2012	1554496.526	1243094.534	311401.992
	2013	1610819.598	1274230.412	336589.186
	2014	1667484.890	1304844.473	362640.417
	2015	1720948.287	1333208.531	387739.756
	2016	1775699.228	1361729.893	413969.335
	2017	1830250.175	1389635.046	440615.129
	2018	1875958.950	1412639.250	463319.700
	2019	1920359.232	1434686.895	485672.337
	2020	1960605.297	1454442.585	506162.712
	2021	1998912.887	1472980.546	525932.341
	2022	2036003.696	1490674.592	545329.104
	2023	2071857.536	1507573.967	564283.570
	2024	2106636.468	1523814.675	582821.794
	2025	2136450.873	1537611.573	598839.301
	2026	2164796.470	1550598.754	614197.716
	2027	2192079.608	1563033.162	629046.446
	2028	2218404.367	1574871.511	643532.856
	2029	2243769.140	1586231.082	657538.058
	2030	2263570.213	1595031.202	668539.011
	2031	2282521.590	1603401.399	679120.191
	2032	2300804.945	1611406.165	689398.779
	2033	2318464.018	1619025.935	699438.083
	2034	2335611.973	1626400.002	709211.971
	2035	2347097.290	1631311.474	715785.816
	2036	2358248.747	1636045.872	722202.875
	2037	2369033.655	1640616.033	728417.622
	2038	2379490.114	1644965.843	734524.271
	2039	2389546.238	1649131.959	740414.278
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110549.122	322.740
	1992	165654.454	164415.051	1239.403
	1993	220008.519	217052.441	2956.079
	1994	275706.807	269971.391	5735.416
	1995	331417.547	321768.328	9649.219
	1996	387580.161	372684.378	14895.783
	1997	442778.242	421406.246	21371.996
	1998	496117.305	467174.452	28942.853
	1999	548268.214	510617.200	37651.015
	2000	601693.202	553842.105	47851.097
	2001	652221.103	593463.075	58758.028
	2002	703022.600	632012.499	71010.102
	2003	752023.351	668000.325	84023.026
	2004	799826.733	701961.727	97865.006
	2005	847563.928	734873.288	112690.640
	2006	894205.027	766039.479	128165.548
	2007	939571.282	795458.141	144113.141
	2008	983437.578	823109.600	160327.978
	2009	1025803.786	849147.017	176656.769
	2010	1066964.934	873805.139	193159.795
	2011	1106954.044	897174.363	209779.681
	2012	1146108.461	919537.094	226571.367
	2013	1183544.689	940501.914	243042.776
	2014	1221220.945	961151.856	260069.089
	2015	1258289.311	981140.836	277148.475
	2016	1294830.207	1000525.571	294304.636
	2017	1330332.626	1019055.892	311276.734
	2018	1360571.987	1034645.523	325926.464
	2019	1389848.723	1049526.685	340322.038
	2020	1416046.192	1062660.945	353385.247
	2021	1440588.850	1074816.089	365772.760
	2022	1464157.934	1086382.597	377775.337

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

		2023	1486810.237	1097442.124	389368.113
		2024	1508591.729	1107974.548	400617.181
		2025	1526875.621	1116729.209	410146.412
		2026	1543659.810	1124706.283	418953.527
		2027	1559623.774	1132271.775	427351.999
		2028	1574852.850	1139471.866	435380.984
		2029	1589437.452	1146326.635	443110.818
		2030	1600568.199	1151466.781	449101.418
		2031	1610776.297	1156188.119	454588.177
		2032	1620483.563	1160686.470	459797.093
		2033	1629745.442	1164990.309	464755.133
		2034	1638721.425	1169122.199	469599.226
		2035	1644649.404	1171773.968	472875.436
		2036	1650181.590	1174238.034	475943.556
		2037	1655476.066	1176601.744	478874.322
		2038	1660507.914	1178880.001	481627.913
		2039	1665361.569	1181080.738	484280.831
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233308.745	130.087
		1992	348084.047	347610.636	473.411
		1993	467278.318	466122.605	1155.713
		1994	584216.907	581956.090	2260.816
		1995	697391.457	693555.580	3835.877
		1996	809471.271	803490.896	5980.374
		1997	922587.668	913758.295	8829.373
		1998	1034072.457	1021742.266	12330.191
		1999	1153475.399	1136545.386	16930.013
		2000	1268050.268	1245718.273	22331.995
		2001	1382786.209	1354002.481	28783.728
		2002	1497557.412	1461167.274	36390.138
		2003	1614405.229	1569242.476	45162.753
		2004	1726672.489	1671888.482	54784.008
		2005	1847277.524	1781009.935	66267.589
		2006	1961009.963	1882597.952	78412.011
		2007	2079868.908	1987340.571	92528.337
		2008	2206755.783	2097796.094	108959.688
		2009	2331993.380	2205331.804	126661.577
		2010	2455130.176	2309656.408	145473.769
		2011	2582657.849	2416180.410	166477.439
		2012	2709719.005	2520682.341	189036.664
		2013	2840547.005	2626580.458	213966.547
		2014	2971677.135	2731083.559	240593.577
		2015	3104538.983	2835877.737	268661.246
		2016	3237650.175	2939116.947	298533.228
		2017	3370561.253	3040609.464	329951.788
		2018	3503136.371	3139967.902	363168.469
		2019	3636402.758	3238219.093	398183.665
		2020	3768054.453	3334046.371	434008.082
		2021	3897675.067	3426832.543	470842.523
		2022	4027307.132	3517984.433	509322.699
		2023	4156698.720	3607467.025	549231.695
		2024	4285772.226	3695211.870	590560.356
		2025	4410759.298	3779222.554	631536.744
		2026	4531411.064	3858788.094	672622.970
		2027	4651145.233	3936300.463	714844.770
		2028	4769837.872	4011860.925	757976.946
		2029	4887747.179	4085663.486	802083.693
2030	4997632.895	4153874.357	843758.539		
2031	5103301.991	4218023.211	885278.781		
2032	5207593.613	4280313.191	927280.422		
2033	5310556.138	4340700.060	969856.078		
2034	5412542.816	4399616.861	1012925.96		
2035	5500522.473	4450111.484	1050410.99		
2036	5588149.640	4499501.976	1088647.66		
2037	5674667.886	4547644.333	1127023.55		
2038	5760391.289	4594445.504	1165945.78		
2039	5845459.234	4640338.519	1205120.71		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159923.998	105.513
		1992	240642.531	240241.953	400.578
		1993	329362.093	328328.229	1033.864
		1994	418569.515	416502.044	2067.471
		1995	509110.357	505480.167	3630.190
		1996	600040.117	594282.957	5757.160
		1997	691159.071	682625.418	8533.653
		1998	782866.899	770876.220	11990.678
		1999	881526.925	864986.324	16540.601
		2000	977880.647	956110.159	21770.488

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

2001	1076787.404	1048724.238	28063.166
2002	1174842.754	1139553.364	35289.389
2003	1275102.681	1231470.300	43632.381
2004	1371026.306	1318439.735	52586.571
2005	1473954.509	1410635.651	63318.858
2006	1574450.828	1499546.535	74904.293
2007	1673790.211	1586317.344	87472.867
2008	1782360.738	1679875.205	102485.532
2009	1892944.209	1773735.108	119209.102
2010	2002131.282	1865257.090	136874.192
2011	2114522.152	1957990.920	156531.232
2012	2228079.372	2050361.451	177717.920
2013	2345377.689	2144257.540	201120.149
2014	2462498.422	2236514.216	225984.206
2015	2581450.312	2329237.925	252212.387
2016	2701959.301	2421662.576	280296.725
2017	2823834.967	2513645.826	310189.142
2018	2938265.081	2598973.186	339291.894
2019	3053254.880	2683356.371	369898.509
2020	3167073.216	2765813.073	401260.143
2021	3279517.699	2846232.393	433285.306
2022	3392060.964	2925421.446	466639.518
2023	3504296.171	3003240.784	501055.387
2024	3616019.231	3079474.924	536544.307
2025	3724611.269	3152692.192	571919.077
2026	3827181.707	3221028.065	606153.642
2027	3928684.441	3287586.386	641098.055
2028	4029124.892	3352563.658	676561.234
2029	4128269.068	3415705.996	712563.071
2030	4221560.174	3474550.570	747009.603
2031	4304170.584	3525860.956	778309.628
2032	4384930.537	3575242.178	809688.360
2033	4464357.691	3623110.996	841246.695
2034	4542251.545	3669276.582	872974.963
2035	4611066.648	3709709.079	901357.569
2036	4670309.230	3744011.334	926297.897
2037	4728179.514	3777103.145	951076.369
2038	4785008.048	3809230.575	975777.473
2039	4841291.793	3840533.838	1000757.96

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2574467.250	5398.108
		1992	3830683.831	3810812.095	19871.736
		1993	5076567.803	5030393.630	46174.173
		1994	6292145.526	6206086.332	86059.194
		1995	7485537.010	7344360.633	141176.376
		1996	8655955.028	8444064.339	211890.688
		1997	9791729.713	9494373.525	297356.188
		1998	10899134.186	10502801.866	396332.320
		1999	12070409.674	11543027.588	527382.086
		2000	13231384.595	12557175.281	674209.314
		2001	14371761.018	13535380.837	836380.181
		2002	15508906.386	14492357.209	1016549.18
		2003	16638100.422	15426440.972	1211659.45
		2004	17736465.088	16321287.654	1415177.43
		2005	18834658.606	17202628.590	1632030.02
		2006	19909100.501	18049289.955	1859810.55
		2007	20958321.463	18864262.868	2094058.60
		2008	22000068.148	19663770.961	2336297.19
		2009	23018816.903	20435966.578	2582850.33
		2010	24018480.537	21183504.098	2834976.44
		2011	25003034.574	21910030.888	3093003.69
		2012	25969871.429	22613474.438	3356396.99
		2013	26920275.180	23295663.398	3624611.78
		2014	27849005.227	23953208.717	3895796.51
		2015	28749620.400	24585316.264	4164304.14
		2016	29622417.562	25187143.357	4435274.21
		2017	30462559.724	25757312.215	4705247.51
		2018	31293299.299	26318904.686	4974394.61
		2019	32109993.427	26865944.399	5244049.03
		2020	32883323.977	27382835.322	5500488.66
		2021	33610102.554	27857011.809	5753090.74
		2022	34322010.448	28316572.783	6005437.67
		2023	35018383.550	28761641.004	6256742.55
		2024	35700177.955	29193432.611	6506745.34
		2025	36315500.346	29585039.889	6730460.46
		2026	36896159.343	29944151.100	6952008.24
		2027	37462570.116	30291197.313	7171372.80
		2028	38015337.780	30625779.054	7389558.73
		2029	38554814.764	30949784.974	7605029.79
		2030	39003805.400	31223032.088	7780773.31
		2031	39436509.703	31478470.911	7958038.79
2032	39858470.458	31725085.587	8133384.87		
2033	40270147.082	31961946.560	8308200.52		
2034	40672665.743	32192089.402	8480576.34		
2035	40962732.664	32361196.577	8610536.09		
2036	41255021.653	32527466.229	8727555.42		
2037	41540573.023	32688648.379	8851924.64		
2038	41820158.066	32843806.554	8976351.51		
2039	42093547.949	32994665.302	9098882.65		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1180712.624	1858.629	
1992		1777346.679	1770335.595	7011.084	
1993		2380261.899	2363524.109	16737.790	
1994		2983130.039	2951163.356	31966.683	
1995		3588982.584	3535593.746	53388.838	
1996		4195430.235	4113177.683	82252.551	
1997		4793866.694	4676666.828	117199.866	
1998		5389747.381	5230904.443	158842.938	
1999		6006722.467	5794303.251	212419.216	
2000		6625758.871	6352646.625	273112.245	
2001		7245135.411	6903047.038	342088.373	
2002		7867492.021	7447936.156	419555.865	
2003		8485051.793	7981279.977	503771.816	
2004		9092994.774	8499208.846	593785.928	
2005		9706032.803	9014813.874	691218.929	
2006		10311907.548	9517277.767	794629.782	
2007		10909437.502	10007408.343	902029.160	
2008		11506462.491	10489446.858	1017015.63	
2009		12098393.287	10962946.151	1135447.14	
2010	12681188.981	11423502.319	1257686.66		

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

		2011	13260062.991	11874804.050	1385258.94
		2012	13839417.441	12320534.571	1518882.87
		2013	14409614.758	12754573.979	1655040.78
		2014	14976658.746	13179871.036	1796787.71
		2015	15529977.821	13590456.027	1939521.79
		2016	16066640.764	13982966.901	2083673.86
		2017	16590035.078	14360917.492	2229117.59
		2018	17098716.137	14727008.731	2371707.41
		2019	17599868.850	15083999.789	2515869.06
		2020	18081346.241	15424929.053	2656417.19
		2021	18537594.460	15742834.161	2794760.30
		2022	18985300.234	16051778.344	2933521.89
		2023	19423958.747	16351988.800	3071969.95
		2024	19853347.772	16642950.018	3210397.75
		2025	20252822.245	16912824.233	3339998.01
		2026	20619307.063	17156274.274	3463032.79
		2027	20976063.406	17391203.330	3584860.08
		2028	21323641.947	17618482.985	3705158.96
		2029	21662117.106	17837699.399	3824417.71
		2030	21960971.694	18030866.169	3930105.52
		2031	22224951.983	18198207.044	4026744.94
		2032	22480397.853	18358825.669	4121572.18
		2033	22728639.455	18513798.850	4214840.60
		2034	22970448.888	18662971.540	4307477.35
		2035	23164154.188	18782053.201	4382100.99
		2036	23334538.616	18884975.300	4449563.32
		2037	23499760.723	18984179.934	4515580.79
		2038	23660308.401	19080242.741	4580065.66
		2039	23817891.273	19173555.872	4644335.40
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177333.965	410.148
		1992	1750034.892	1748511.430	1523.462
		1993	2319752.308	2316073.880	3678.428
		1994	2872597.339	2865524.851	7072.488
		1995	3411494.825	3399567.795	11927.031
		1996	3945569.726	3926882.756	18686.970
		1997	4463316.362	4436030.816	27285.546
		1998	4975301.180	4937250.770	38050.411
		1999	5473691.125	5422615.168	51075.957
		2000	5977500.570	5910408.408	67092.162
		2001	6474795.516	6388815.391	85980.125
		2002	6968769.705	6860735.564	108034.141
		2003	7460282.140	7326750.611	133531.529
		2004	7947048.275	7784726.035	162322.240
		2005	8430571.669	8236057.774	194513.895
		2006	8903945.390	8674090.495	229854.895
		2007	9364177.982	9096202.038	267975.944
		2008	9822525.458	9512510.687	310014.771
		2009	10275228.886	9919769.002	355459.885
		2010	10720275.500	10316356.875	403918.625
		2011	11155356.373	10700281.823	455074.550
		2012	11582611.617	11073039.931	509571.686
		2013	11998803.791	11432221.802	566581.989
		2014	12402087.090	11776587.553	625499.537
		2015	12793451.706	12107451.409	686000.297
		2016	13160101.653	12413964.886	746136.767
		2017	13503583.414	12697845.251	805738.163
		2018	13859755.737	12988379.751	871375.985
		2019	14211625.176	13272123.917	939501.259
		2020	14553935.288	13545525.578	1008409.71
		2021	14851747.495	13780595.102	1071152.39
		2022	15144531.004	14008931.267	1135599.74
		2023	15431932.496	14230633.829	1201298.67
		2024	15713920.740	14445809.287	1268111.45
		2025	15979112.816	14646806.607	1332306.21
		2026	16206550.153	14816778.576	1389771.58
		2027	16428826.050	14980961.454	1447864.60
		2028	16645902.186	15139521.559	1506380.63
		2029	16858126.517	15293047.474	1565079.04
		2030	17045220.687	15427993.816	1617226.87
		2031	17208482.610	15543944.220	1664538.39
		2032	17367586.074	15655874.008	1711712.07
		2033	17522716.280	15763618.683	1759097.60
		2034	17674226.555	15868053.375	1806173.18
		2035	17792201.734	15949245.490	1842956.24
		2036	17903508.236	16024907.665	1878600.57
		2037	18012162.345	16098168.334	1913994.01
		2038	18118464.470	16168748.202	1949716.27

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

		2039	18222549.860	16237404.896	1985144.96
	Female	1990	307897.357	307897.357	0.000
		1991	616547.418	616287.110	260.307
		1992	931086.773	930058.798	1027.975
		1993	1246155.671	1243630.464	2525.207
		1994	1561212.934	1556260.197	4952.737
		1995	1879967.742	1871388.026	8579.716
		1996	2197488.109	2183928.108	13560.001
		1997	2515698.453	2495568.830	20129.622
		1998	2836249.556	2807807.415	28442.141
		1999	3150201.390	3111748.914	38452.475
		2000	3472722.342	3422030.283	50692.059
		2001	3796994.889	3731697.385	65297.505
		2002	4126619.935	4044024.211	82595.724
		2003	4454982.533	4352664.800	102317.734
		2004	4784343.030	4659538.112	124804.918
		2005	5113443.121	4963519.901	149923.220
		2006	5442543.963	5264453.206	178090.756
		2007	5772441.497	5563188.929	209252.568
		2008	6091911.943	5849470.818	242441.125
		2009	6413671.330	6134659.512	279011.818
		2010	6730763.530	6413013.600	317749.930
		2011	7043614.101	6684572.816	359041.285
		2012	7356270.780	6952966.590	403304.189
		2013	7662551.964	7212941.259	449610.705
		2014	7964551.465	7466451.715	498099.749
		2015	8254895.403	7707880.628	547014.775
		2016	8530661.848	7934469.151	596192.696
		2017	8795826.122	8149965.547	645860.575
		2018	9067233.707	8367864.727	699368.980
		2019	9335343.270	8580641.462	754701.808
		2020	9596110.883	8785568.594	810542.289
		2021	9833186.859	8970026.462	863160.397
		2022	10066452.037	9149485.254	916966.783
		2023	10295503.609	9323962.969	971540.641
		2024	10520125.318	9493185.007	1026940.31
		2025	10731915.863	9651450.294	1080465.57
		2026	10917495.549	9788708.073	1128787.48
		2027	11098620.885	9921271.813	1177349.07
		2028	11275441.234	10049580.913	1225860.32
		2029	11447962.710	10173415.572	1274547.14
		2030	11601867.623	10283173.061	1318694.56
		2031	11731666.516	10374634.136	1357032.38
		2032	11857585.969	10462525.703	1395060.27
		2033	11980128.625	10547355.186	1432773.44
		2034	12099562.464	10629067.498	1470494.97
		2035	12195919.946	10694432.191	1501487.76
		2036	12278201.969	10749693.528	1528508.44
		2037	12358146.336	10803063.447	1555082.89
		2038	12435978.633	10854785.843	1581192.79
		2039	12512468.845	10905064.701	1607404.14
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1014814.667	4404.728
		1992	1509598.614	1493394.072	16204.542
		1993	1992735.299	1955350.166	37385.133
		1994	2462877.575	2393769.235	69108.340
		1995	2928249.390	2815652.975	112596.415
		1996	3377377.730	3209774.120	167603.610
		1997	3809062.472	3575839.908	233222.564
		1998	4222213.867	3914135.073	308078.794
		1999	4708317.743	4297869.584	410448.159
		2000	5182084.396	4659180.162	522904.235
		2001	5644097.705	4998535.023	645562.682
		2002	6107232.129	5326684.099	780548.030
		2003	6561785.704	5637801.382	923984.322
		2004	6996156.348	5925575.836	1070580.51
		2005	7426261.361	6202133.616	1224127.75
		2006	7849012.694	6465774.849	1383237.85
		2007	8255300.530	6712240.444	1543060.09
		2008	8650662.040	6946209.595	1704452.44
		2009	9030818.513	7166147.410	1864671.10
		2010	9403026.327	7377032.358	2025993.97
		2011	9767535.506	7579254.659	2188280.85
		2012	10123044.281	7772660.177	2350384.10
		2013	10470104.786	7958077.348	2512027.44
		2014	10807756.112	8135546.547	2672209.57
		2015	11130681.425	8302984.002	2827697.42
		2016	11448966.506	8465848.526	2983117.98

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

		2017	11758164.882	8622009.160	3136155.72
		2018	12054448.241	8769959.232	3284489.01
		2019	12341606.261	8912174.604	3429431.66
		2020	12600728.939	9039264.814	3561464.13
		2021	12861767.105	9166214.834	3695552.27
		2022	13114168.616	9287734.014	3826434.60
		2023	13357894.797	9403831.746	3954063.05
		2024	13593848.521	9515552.183	4078296.34
		2025	13789177.359	9607426.853	4181750.51
		2026	13993401.656	9703099.191	4290302.46
		2027	14190519.224	9795089.147	4395430.08
		2028	14381193.356	9882773.442	4498419.91
		2029	14565171.927	9967141.911	4598030.02
		2030	14697381.605	10027498.312	4669883.29
		2031	14842203.512	10093568.360	4748635.15
		2032	14982485.826	10157060.664	4825425.16
		2033	15118410.647	10217275.118	4901135.53
		2034	15250284.398	10275794.784	4974489.61
		2035	15322911.166	10307481.590	5015429.58
		2036	15405115.031	10343149.951	5061965.08
		2037	15484709.137	10377546.538	5107162.60
		2038	15561812.193	10410166.449	5151645.74
		2039	15635992.616	10441503.235	5194489.38
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293952.394	1170.068
		1992	439962.920	435619.512	4343.408
		1993	584735.615	574511.561	10224.054
		1994	727640.783	708425.553	19215.229
		1995	868486.937	836947.795	31539.143
		1996	1010321.847	962263.965	48057.882
		1997	1144230.930	1077034.545	67196.385
		1998	1274513.622	1184995.258	89518.364
		1999	1426725.938	1306872.377	119853.561
		2000	1573462.680	1420549.877	152912.802
		2001	1719132.015	1529002.378	190129.637
		2002	1863006.732	1632130.490	230876.242
		2003	2002943.227	1728860.714	274082.514
		2004	2137798.705	1818907.822	318890.883
		2005	2271071.245	1905329.397	365741.848
		2006	2400707.731	1986677.703	414030.028
		2007	2523634.512	2061765.739	461868.773
		2008	2648752.232	2136172.287	512579.945
		2009	2765973.961	2204429.252	561544.709
		2010	2881329.235	2270281.947	611047.288
		2011	2994972.694	2333733.882	661238.811
		2012	3108958.829	2396132.543	712826.286
		2013	3218140.416	2455110.669	763029.747
		2014	3328387.914	2513749.002	814638.912
		2015	3435342.796	2569924.633	865418.162
		2016	3539189.408	2623748.776	915440.632
		2017	3640041.363	2675377.838	964663.525
		2018	3732645.362	2722339.561	1010305.80
		2019	3821421.978	2766957.731	1054464.25
		2020	3902115.950	2807019.249	1095096.70
		2021	3984301.053	2847523.071	1136777.98
		2022	4062629.299	2885866.732	1176762.57
		2023	4137348.729	2922318.276	1215030.45
		2024	4208611.493	2956874.288	1251737.21
		2025	4269419.492	2986082.124	1283337.37
		2026	4330969.998	3015530.954	1315439.04
		2027	4389134.306	3043331.604	1345802.70
		2028	4444222.970	3069673.584	1374549.39
		2029	4496447.877	3094599.405	1401848.47
		2030	4536975.698	3113564.396	1423411.30
		2031	4578338.586	3132989.263	1445349.32
		2032	4617397.784	3151414.888	1465982.90
		2033	4654407.697	3168962.522	1485445.17
		2034	4689913.454	3185704.400	1504209.05
		2035	4712518.190	3195936.291	1516581.90
		2036	4735845.827	3206482.702	1529363.12
		2037	4757958.806	3216520.223	1541438.58
		2038	4778813.806	3226117.362	1552696.44
		2039	4798769.065	3235313.905	1563455.16
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	149009.873	453.145
		1992	222966.278	221295.212	1671.066
		1993	296801.879	292843.535	3958.343
		1994	372453.706	364826.564	7627.141

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

	1995	448401.338	435563.640	12837.698
	1996	523536.301	503877.889	19658.412
	1997	596763.211	568678.500	28084.712
	1998	667546.681	629569.722	37976.959
	1999	734925.407	685838.678	49086.729
	2000	803749.361	741640.668	62108.693
	2001	870081.588	793712.381	76369.207
	2002	935347.140	843346.808	92000.332
	2003	1001627.349	892089.140	109538.209
	2004	1066587.976	938388.230	128199.746
	2005	1130548.052	982528.840	148019.212
	2006	1195132.454	1025724.529	169407.925
	2007	1258974.043	1067138.043	191836.001
	2008	1320124.867	1105625.412	214499.455
	2009	1380776.123	1142775.752	238000.372
	2010	1440048.533	1178176.610	261871.923
	2011	1497484.847	1211650.674	285834.172
	2012	1554496.526	1244018.337	310478.189
	2013	1610819.598	1275256.169	335563.428
	2014	1667484.890	1305976.974	361507.916
	2015	1720948.287	1334452.279	386496.007
	2016	1775699.228	1363092.212	412607.016
	2017	1830250.175	1391121.423	439128.752
	2018	1875958.950	1414237.494	461721.456
	2019	1920359.232	1436398.382	483960.850
	2020	1960605.297	1456267.937	504337.360
	2021	1998912.887	1474917.612	523995.276
	2022	2036003.696	1492723.126	543280.570
	2023	2071857.536	1509734.033	562123.504
	2024	2106636.468	1526086.511	580549.957
	2025	2136450.873	1539991.834	596459.040
	2026	2164796.470	1553084.234	611712.236
	2027	2192079.608	1565622.995	626456.613
	2028	2218404.367	1577564.253	640840.114
	2029	2243769.140	1589025.484	654743.657
	2030	2263570.213	1597916.404	665653.808
	2031	2282521.590	1606374.737	676146.853
	2032	2300804.945	1614465.907	686339.038
	2033	2318464.018	1622170.344	696293.674
	2034	2335611.973	1629628.473	705983.500
	2035	2347097.290	1634604.947	712492.344
	2036	2358248.747	1639403.109	718845.638
	2037	2369033.655	1644036.470	724997.185
	2038	2379490.114	1648448.115	731041.998
	2039	2389546.238	1652674.703	736871.535
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110549.122	322.740
	1992	165654.454	164415.146	1239.308
	1993	220008.519	217052.891	2955.628
	1994	275706.807	269972.689	5734.118
	1995	331417.547	321771.225	9646.322
	1996	387580.161	372689.899	14890.262
	1997	442778.242	421415.610	21362.632
	1998	496117.305	467189.029	28928.276
	1999	548268.214	510638.493	37629.721
	2000	601693.202	553872.263	47820.939
	2001	652221.103	593503.633	58717.470
	2002	703022.600	632065.500	70957.100
	2003	752023.351	668067.544	83955.807
	2004	799826.733	702044.918	97781.815
	2005	847563.928	734974.483	112589.445
	2006	894205.027	766160.676	128044.351
	2007	939571.282	795600.901	143970.381
	2008	983437.578	823275.333	160162.245
	2009	1025803.786	849337.169	176466.617
	2010	1066964.934	874021.022	192943.912
	2011	1106954.044	897417.456	209536.588
	2012	1146108.461	919808.795	226299.666
	2013	1183544.689	940803.219	242741.471
	2014	1221220.945	961485.008	259735.937
	2015	1258289.311	981508.609	276780.702
	2016	1294830.207	1000929.720	293900.488
	2017	1330332.626	1019498.123	310834.503
	2018	1360571.987	1035122.673	325449.314
	2019	1389848.723	1050039.458	339809.264
	2020	1416046.192	1063209.644	352836.549
	2021	1440588.850	1075400.395	365188.455
	2022	1464157.934	1087002.711	377155.223

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

		2023	1486810.237	1098098.383	388711.854
		2024	1508591.729	1108666.897	399924.832
		2025	1526875.621	1117456.666	409418.955
		2026	1543659.810	1125466.991	418192.819
		2027	1559623.774	1133065.146	426558.628
		2028	1574852.850	1140297.417	434555.434
		2029	1589437.452	1147183.795	442253.657
		2030	1600568.199	1152352.538	448215.661
		2031	1610776.297	1157100.703	453675.594
		2032	1620483.563	1161625.187	458858.376
		2033	1629745.442	1165954.651	463790.792
		2034	1638721.425	1170111.663	468609.762
		2035	1644649.404	1172783.598	471865.807
		2036	1650181.590	1175266.585	474915.005
		2037	1655476.066	1177648.713	477827.353
		2038	1660507.914	1179944.982	480562.931
		2039	1665361.569	1182163.346	483198.224
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233308.745	130.087
		1992	348084.047	347611.381	472.666
		1993	467278.318	466126.049	1152.268
		1994	584216.907	581965.682	2251.224
		1995	697391.457	693576.224	3815.233
		1996	809471.271	803529.574	5941.697
		1997	922587.668	913824.301	8763.367
		1998	1034072.457	1021846.301	12226.156
		1999	1153475.399	1136704.158	16771.241
		2000	1268050.268	1245946.043	22104.225
		2001	1382786.209	1354318.042	28468.167
		2002	1497557.412	1461590.738	35966.674
		2003	1614405.229	1569799.839	44605.390
		2004	1726672.489	1672597.553	54074.936
		2005	1847277.524	1781908.360	65369.164
		2006	1961009.963	1883700.082	77309.881
		2007	2079868.908	1988682.343	91186.565
		2008	2206755.783	2099425.266	107330.516
		2009	2331993.380	2207274.414	124718.966
		2010	2455130.176	2311938.255	143191.922
		2011	2582657.849	2418843.731	163814.118
		2012	2709719.005	2523755.993	185963.012
		2013	2840547.005	2630108.080	210438.926
		2014	2971677.135	2735097.644	236579.492
		2015	3104538.983	2840428.573	264110.409
		2016	3237650.175	2944237.733	293412.443
		2017	3370561.253	3046336.381	324224.871
		2018	3503136.371	3146328.208	356808.163
		2019	3636402.758	3245247.496	391155.262
		2020	3768054.453	3341776.993	426277.460
		2021	3897675.067	3435284.261	462390.806
		2022	4027307.132	3527184.377	500122.756
		2023	4156698.720	3617441.397	539257.323
		2024	4285772.226	3705984.630	579787.595
		2025	4410759.298	3790814.596	619944.702
		2026	4531411.064	3871189.098	660221.966
		2027	4651145.233	3949523.716	701621.517
		2028	4769837.872	4025919.801	743918.071
		2029	4887747.179	4100570.105	787177.074
2030	4997632.895	4169623.556	828009.339		
2031	5103301.991	4234583.594	868718.398		
2032	5207593.613	4297685.009	909908.604		
2033	5310556.138	4358882.416	951673.722		
2034	5412542.816	4418612.771	993930.045		
2035	5500522.473	4469864.550	1030657.92		
2036	5588149.640	4520005.503	1068144.14		
2037	5674667.886	4568897.036	1105770.85		
2038	5760391.289	4616443.788	1143947.50		
2039	5845459.234	4663082.467	1182376.77		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159923.998	105.513
		1992	240642.531	240242.138	400.393
		1993	329362.093	328329.192	1032.901
		1994	418569.515	416504.917	2064.599
		1995	509110.357	505486.700	3623.657
		1996	600040.117	594295.711	5744.406
		1997	691159.071	682647.843	8511.227
		1998	782866.899	770912.741	11954.157
		1999	881526.925	865043.466	16483.459
		2000	977880.647	956194.203	21686.445

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

2001	1076787.404	1048843.642	27943.761
2002	1174842.754	1139715.955	35126.799
2003	1275102.681	1231686.920	43415.761
2004	1371026.306	1318717.995	52308.311
2005	1473954.509	1410990.094	62964.415
2006	1574450.828	1499986.182	74464.646
2007	1673790.211	1586852.774	86937.438
2008	1782360.738	1680528.420	101832.318
2009	1892944.209	1774520.218	118423.991
2010	2002131.282	1866185.751	135945.531
2011	2114522.152	1959079.895	155442.257
2012	2228079.372	2051626.644	176452.728
2013	2345377.689	2145718.832	199658.857
2014	2462498.422	2238185.311	224313.111
2015	2581450.312	2331142.156	250308.155
2016	2701959.301	2423819.254	278140.047
2017	2823834.967	2516075.984	307758.983
2018	2938265.081	2601681.770	336583.311
2019	3053254.880	2686361.138	366893.741
2020	3167073.216	2769131.566	397941.650
2021	3279517.699	2849884.233	429633.466
2022	3392060.964	2929423.647	462637.317
2023	3504296.171	3007609.172	496686.999
2024	3616019.231	3084223.826	531795.405
2025	3724611.269	3157835.148	566776.121
2026	3827181.707	3226568.256	600613.451
2027	3928684.441	3293534.766	635149.674
2028	4029124.892	3358931.072	670193.821
2029	4128269.068	3422500.626	705768.441
2030	4221560.174	3481776.175	739783.999
2031	4304170.584	3533482.943	770687.642
2032	4384930.537	3583259.892	801670.646
2033	4464357.691	3631526.492	832831.199
2034	4542251.545	3678087.979	864163.566
2035	4611066.648	3718901.122	892165.526
2036	4670309.230	3753532.485	916776.746
2037	4728179.514	3786947.551	941231.964
2038	4785008.048	3819394.553	965613.495
2039	4841291.793	3851013.921	990277.872

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	333506.679	110404.355
		35-39	1146798.555	858580.534	288218.021
		40-44	2609591.408	1936796.039	672795.369
		45-49	4775841.753	3528945.800	1246895.95
		50-54	7446969.205	5590455.226	1856513.98
		55-59	8240205.925	6377674.831	1862531.09
		60-64	8772829.118	7018936.333	1753892.78
		65-69	6161494.678	5139158.551	1022336.13
	70-74	2495906.274	2107827.482	388078.792	
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	182292.394	46848.167
		35-39	570217.942	451632.565	118585.377
		40-44	1267538.938	996025.910	271513.028
		45-49	2340070.698	1834179.908	505890.790
		50-54	3743803.613	2946238.642	797564.972
		55-59	4591478.168	3668458.774	923019.394
		60-64	5207367.788	4207665.485	999702.302
65-69		4092181.394	3380681.884	711499.511	
70-74		1776092.171	1469957.444	306134.727	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	59728.699	6336.318
		35-39	232509.414	210924.074	21585.340
		40-44	688628.041	619640.632	68987.410
		45-49	1528300.367	1359127.001	169173.366
		50-54	2730187.229	2413910.153	316277.076
		55-59	3909101.673	3444969.186	464132.487
		60-64	4287716.660	3809873.136	477843.524
		65-69	3467897.115	3092277.651	375619.464
	70-74	1312144.343	1173597.106	138547.237	
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	46830.866	5082.247
		35-39	189792.904	171350.622	18442.283
		40-44	527596.573	469194.779	58401.794
		45-49	1122524.269	984966.791	137557.478
		50-54	1882214.322	1638121.479	244092.843
		55-59	2595581.943	2244479.141	351102.802
		60-64	2846273.090	2468135.105	378137.985
65-69		2358758.394	2046478.030	312280.364	
70-74		937814.238	814360.984	123453.254	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	185469.256	78365.310
		35-39	692140.150	477202.507	214937.643
		40-44	1519708.432	1014104.059	505604.373
		45-49	2568546.697	1663265.192	905281.505
		50-54	3632929.903	2377573.731	1255356.17
		55-59	2807892.356	1806638.180	1001254.18
		60-64	2599825.934	1773307.342	826518.592
		65-69	1113578.307	790723.191	322855.116
	70-74	437536.271	330079.901	107456.369	
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	57142.554	22506.543
		35-39	193965.908	133284.420	60681.487
		40-44	403380.974	267021.098	136359.876
		45-49	671385.408	433509.592	237875.816
		50-54	1011875.989	663991.967	347884.022
		55-59	849875.715	554709.172	295166.543
		60-64	925490.876	636754.815	288736.061
65-69		455463.881	327871.982	127591.899	
70-74		207681.216	157315.032	50366.184	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	55884.486	17579.164
		35-39	151934.057	113994.341	37939.716
		40-44	262845.974	192549.530	70296.445
		45-49	383421.246	272894.586	110526.660
		50-54	479872.634	328604.372	151268.262
		55-59	437124.903	287166.683	149958.220
		60-64	419457.235	277126.656	142330.578
		65-69	128180.574	84472.799	43707.775
	70-74	53245.965	36438.507	16807.458	
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	49797.878	13121.212

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

		35-39	120806.205	93154.027	27652.178
		40-44	203391.885	151655.426	51736.459
		45-49	278172.097	201029.340	77142.757
		50-54	325979.181	228689.773	97289.408
		55-59	275161.340	186185.707	88975.633
		60-64	268920.493	182095.625	86824.868
		65-69	87956.054	59555.447	28400.606
		70-74	42055.224	28917.514	13137.710
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	32424.238	8123.563
		35-39	70214.933	56459.611	13755.322
		40-44	138408.960	110501.818	27907.142
		45-49	295573.443	233659.021	61914.422
		50-54	603979.438	470366.971	133612.467
		55-59	1086086.992	838900.782	247186.210
		60-64	1465829.290	1158629.200	307200.090
		65-69	1451838.682	1171684.910	280153.772
		70-74	692979.695	567711.968	125267.727
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	28521.096	6138.165
		35-39	65652.924	53843.496	11809.429
		40-44	133169.505	108154.607	25014.899
		45-49	267988.924	214674.185	53314.739
		50-54	523734.121	415435.422	108298.698
		55-59	870859.170	683084.754	187774.416
		60-64	1166683.329	920679.940	246003.389
		65-69	1190003.066	946776.424	243226.642
		70-74	588541.493	469363.914	119177.579
		75-79	0.000	0.000	0.000

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	333526.825	110384.209
		35-39	1146798.555	858732.442	288066.113
		40-44	2609591.408	1937773.093	671818.315
		45-49	4775841.753	3533196.264	1242645.49
		50-54	7446969.205	5603117.940	1843851.26
		55-59	8240205.925	6396919.981	1843285.94
		60-64	8772829.118	7048950.780	1723878.34
		65-69	6161494.678	5162352.757	999141.921
		70-74	2495906.274	2120095.220	375811.054
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	182296.840	46843.721
		35-39	570217.942	451665.217	118552.725
		40-44	1267538.938	996231.766	271307.172
		45-49	2340070.698	1835081.136	504989.562
		50-54	3743803.613	2949117.394	794686.219
		55-59	4591478.168	3673939.542	917538.626
		60-64	5207367.788	4217777.500	989590.288
		65-69	4092181.394	3390968.690	701212.705
70-74		1776092.171	1476477.789	299614.382	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	59731.859	6333.159
		35-39	232509.414	210957.852	21551.563
		40-44	688628.041	619932.966	68695.075
		45-49	1528300.367	1360694.574	167605.794
		50-54	2730187.229	2419138.218	311049.011
		55-59	3909101.673	3455068.366	454033.307
		60-64	4287716.660	3825807.208	461909.452
		65-69	3467897.115	3105796.195	362100.919
		70-74	1312144.343	1180277.658	131866.685
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	46831.985	5081.128
		35-39	189792.904	171362.385	18430.519
		40-44	527596.573	469290.488	58306.085
		45-49	1122524.269	985446.372	137077.897
		50-54	1882214.322	1639713.978	242500.344
		55-59	2595581.943	2247826.625	347755.319
		60-64	2846273.090	2474077.754	372195.336
		65-69	2358758.394	2052595.087	306163.307
70-74		937814.238	817920.026	119894.211	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	185481.168	78353.398
		35-39	692140.150	477290.306	214849.845
		40-44	1519708.432	1014632.001	505076.431
		45-49	2568546.697	1665296.220	903250.477
		50-54	3632929.903	2382927.707	1250002.20
		55-59	2807892.356	1811622.302	996270.054
		60-64	2599825.934	1779702.648	820123.286
		65-69	1113578.307	793258.030	320320.278
		70-74	437536.271	331292.854	106243.417
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	57144.103	22504.994
		35-39	193965.908	133295.097	60670.811
		40-44	403380.974	267079.422	136301.553
		45-49	671385.408	433724.000	237661.408
		50-54	1011875.989	664609.330	347266.660
		55-59	849875.715	555399.827	294475.888
		60-64	925490.876	637898.070	287592.806
		65-69	455463.881	328475.421	126988.460
70-74		207681.216	157688.637	49992.580	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	55887.480	17576.170
		35-39	151934.057	114013.132	37920.925
		40-44	262845.974	192638.961	70207.014
		45-49	383421.246	273197.449	110223.797
		50-54	479872.634	329309.170	150563.463
		55-59	437124.903	287988.313	149136.590
		60-64	419457.235	278250.919	141206.316
		65-69	128180.574	84790.706	43389.868
		70-74	53245.965	36598.573	16647.392
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	49798.919	13120.171

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_1.RTF)

		35-39	120806.205	93159.921	27646.284
		40-44	203391.885	151682.184	51709.701
		45-49	278172.097	201113.206	77058.891
		50-54	325979.181	228878.358	97100.823
		55-59	275161.340	186411.607	88749.733
		60-64	268920.493	182441.576	86478.917
		65-69	87956.054	59678.677	28277.377
		70-74	42055.224	28998.897	13056.327
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	32426.319	8121.482
		35-39	70214.933	56471.153	13743.781
		40-44	138408.960	110569.165	27839.795
		45-49	295573.443	234008.021	61565.422
		50-54	603979.438	471742.845	132236.593
		55-59	1086086.992	842240.999	243845.993
		60-64	1465829.290	1165190.005	300639.285
		65-69	1451838.682	1178507.826	273330.856
		70-74	692979.695	571926.134	121053.560
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	28521.833	6137.428
		35-39	65652.924	53847.813	11805.111
		40-44	133169.505	108179.672	24989.833
		45-49	267988.924	214797.559	53191.366
		50-54	523734.121	415915.728	107818.393
		55-59	870859.170	684301.483	186557.686
		60-64	1166683.329	923360.100	243323.229
		65-69	1190003.066	950219.504	239783.561
		70-74	588541.493	471870.229	116671.265
		75-79	0.000	0.000	0.000

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

Estimated Loss of Life from the E Component for Run: 4, Simulation: 1

Country: US (United States)

Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	23375187.907	18718360.0
	Female	2039	23817891.273	14050671.845	9767219.43
Lung cancer	Males	2039	18222549.860	13116112.698	5106437.16
	Female	2039	12512468.845	8533202.409	3979266.44
IHD	Males	2039	15635992.616	5724950.875	9911041.74
	Female	2039	4798769.065	1837998.768	2960770.30
Stroke	Males	2039	2389546.238	1049991.990	1339554.25
	Female	2039	1665361.569	785736.357	879625.213
COPD	Males	2039	5845459.234	3484132.344	2361326.89
	Female	2039	4841291.793	2893734.311	1947557.48

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	23464047.638	18629500.3
	Female	2039	23817891.273	14084764.134	9733127.14
Lung cancer	Males	2039	18222549.860	13172905.900	5049643.96
	Female	2039	12512468.845	8554596.122	3957872.72
IHD	Males	2039	15635992.616	5731942.468	9904050.15
	Female	2039	4798769.065	1839222.266	2959546.80
Stroke	Males	2039	2389546.238	1051636.941	1337909.30
	Female	2039	1665361.569	786252.308	879109.261
COPD	Males	2039	5845459.234	3507562.329	2337896.90
	Female	2039	4841291.793	2904693.438	1936598.36

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2570720.217	9145.141
		1992	3830683.831	3796639.592	34044.239
		1993	5076567.803	4996637.870	79929.932
		1994	6292145.526	6141686.165	150459.362
		1995	7485537.010	7236093.248	249443.762
		1996	8655955.028	8277661.105	378293.923
		1997	9791729.713	9255920.717	535808.996
		1998	10899134.186	10178528.159	720606.027
		1999	12070409.674	11102361.285	968048.390
		2000	13231384.595	11983168.753	1248215.84
		2001	14371761.018	12811147.372	1560613.65
		2002	15508906.386	13598509.587	1910396.80
		2003	16638100.422	14345867.476	2292232.95
		2004	17736465.088	15043874.661	2692590.43
		2005	18834658.606	15713258.281	3121400.32
		2006	19909100.501	16334315.777	3574784.72
		2007	20958321.463	16915691.833	4042629.63
		2008	22000068.148	17471262.349	4528805.80
		2009	23018816.903	17992927.092	5025889.81
		2010	24018480.537	18481967.244	5536513.29
		2011	25003034.574	18942225.668	6060808.91
		2012	25969871.429	19372425.543	6597445.89
		2013	26920275.180	19774781.434	7145493.75
		2014	27849005.227	20147910.756	7701094.47
		2015	28749620.400	20496189.359	8253431.04
		2016	29622417.562	20810452.887	8811964.68
		2017	30462559.724	21094131.201	9368428.52
		2018	31293299.299	21363067.765	9930231.53
		2019	32109993.427	21613338.971	10496654.5
		2020	32883323.977	21843834.265	11039489.7
		2021	33610102.554	22038462.435	11571640.1
		2022	34322010.448	22217423.560	12104586.9
		2023	35018383.550	22380824.417	12637559.1
		2024	35700177.955	22529956.564	13170221.4
		2025	36315500.346	22663480.356	13652020.0
		2026	36896159.343	22771731.643	14124427.7
		2027	37462570.116	22869223.071	14593347.0
		2028	38015337.780	22956234.174	15059103.6
		2029	38554814.764	23034011.918	15520802.8
		2030	39003805.400	23100899.615	15902905.8
		2031	39436509.703	23153355.954	16283153.7
2032	39858470.458	23199620.618	16658849.8		
2033	40270147.082	23239739.801	17030407.3		
2034	40672665.743	23274682.008	17397983.7		
2035	40962732.664	23302384.933	17660347.7		
2036	41255021.653	23324766.772	17930254.9		
2037	41540573.023	23344237.670	18196335.4		
2038	41820158.066	23360871.697	18459286.4		
2039	42093547.949	23375187.907	18718360.0		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1179447.497	3123.755	
1992		1777346.679	1765484.717	11861.962	
1993		2380261.899	2351773.952	28487.947	
1994		2983130.039	2928421.698	54708.341	
1995		3588982.584	3497007.088	91975.496	
1996		4195430.235	4052764.651	142665.584	
1997		4793866.694	4589335.226	204531.469	
1998		5389747.381	5110850.557	278896.824	
1999		6006722.467	5631292.559	375429.908	
2000		6625758.871	6139892.704	485866.167	
2001		7245135.411	6632502.320	612633.091	
2002		7867492.021	7111199.571	756292.449	
2003		8485051.793	7571388.049	913663.743	
2004		9092994.774	8009701.330	1083293.44	
2005		9706032.803	8437077.078	1268955.73	
2006		10311907.548	8843984.693	1467922.86	
2007		10909437.502	9232688.439	1676749.06	
2008		11506462.491	9604681.616	1901780.87	
2009		12098393.287	9962111.032	2136282.25	
2010		12681188.981	10300214.058	2380974.92	

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

		2011	13260062.991	10621896.915	2638166.08
		2012	13839417.441	10929552.045	2909865.40
		2013	14409614.758	11220480.896	3189133.86
		2014	14976658.746	11494687.124	3481971.62
		2015	15529977.821	11751562.962	3778414.86
		2016	16066640.764	11987269.899	4079370.86
		2017	16590035.078	12205431.494	4384603.58
		2018	17098716.137	12409311.303	4689404.83
		2019	17599868.850	12599334.216	5000534.63
		2020	18081346.241	12775390.586	5305955.66
		2021	18537594.460	12931591.192	5606003.27
		2022	18985300.234	13075742.651	5909557.58
		2023	19423958.747	13208293.357	6215665.39
		2024	19853347.772	13329198.834	6524148.94
		2025	20252822.245	13438449.089	6814373.16
		2026	20619307.063	13530828.717	7088478.35
		2027	20976063.406	13614137.665	7361925.74
		2028	21323641.947	13689339.015	7634302.93
		2029	21662117.106	13756431.673	7905685.43
		2030	21960971.694	13814981.384	8145990.31
		2031	22224951.983	13860505.430	8364446.55
		2032	22480397.853	13900447.305	8579950.55
		2033	22728639.455	13935644.438	8792995.02
		2034	22970448.888	13966194.995	9004253.89
		2035	23164154.188	13991148.269	9173005.92
		2036	23334538.616	14009493.025	9325045.59
		2037	23499760.723	14025338.218	9474422.50
		2038	23660308.401	14038974.440	9621333.96
		2039	23817891.273	14050671.845	9767219.43
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177062.162	681.951
		1992	1750034.892	1747456.394	2578.498
		1993	2319752.308	2313466.508	6285.799
		1994	2872597.339	2860400.811	12196.527
		1995	3411494.825	3390721.087	20773.739
		1996	3945569.726	3912695.185	32874.541
		1997	4463316.362	4414822.300	48494.062
		1998	4975301.180	4906907.447	68393.734
		1999	5473691.125	5380856.771	92834.354
		2000	5977500.570	5854028.928	123471.642
		2001	6474795.516	6314511.902	160283.614
		2002	6968769.705	6764709.866	204059.839
		2003	7460282.140	7204535.036	255747.104
		2004	7947048.275	7631863.347	315184.928
		2005	8430571.669	8047558.141	383013.527
		2006	8903945.390	8444869.829	459075.561
		2007	9364177.982	8821608.154	542569.828
		2008	9822525.458	9186036.338	636489.121
		2009	10275228.886	9535288.728	739940.158
		2010	10720275.500	9868094.944	852180.557
		2011	11155356.373	10182581.562	972774.811
		2012	11582611.617	10479214.128	1103397.49
		2013	11998803.791	10756631.748	1242172.04
		2014	12402087.090	11014324.455	1387762.64
		2015	12793451.706	11254209.895	1539241.81
		2016	13160101.653	11468028.542	1692073.11
		2017	13503583.414	11658379.633	1845203.78
		2018	13859755.737	11843109.160	2016646.58
		2019	14211625.176	12014941.449	2196683.73
		2020	14553935.288	12173190.597	2380744.69
		2021	14851747.495	12301722.676	2550024.82
		2022	15144531.004	12419390.756	2725140.25
		2023	15431932.496	12526328.802	2905603.69
		2024	15713920.740	12623342.717	3090578.02
		2025	15979112.816	12709569.267	3269543.55
		2026	16206550.153	12775929.502	3430620.65
		2027	16428826.050	12835134.711	3593691.34
		2028	16645902.186	12887486.191	3758415.99
		2029	16858126.517	12933864.893	3924261.62
		2030	17045220.687	12973097.450	4072123.24
		2031	17208482.610	13001898.009	4206584.60
		2032	17367586.074	13027005.865	4340580.21
		2033	17522716.280	13048540.815	4474175.46
		2034	17674226.555	13067138.475	4607088.08
		2035	17792201.734	13081413.967	4710787.77
		2036	17903508.236	13092221.194	4811287.04
		2037	18012162.345	13101545.897	4910616.45
		2038	18118464.470	13109397.471	5009067.00

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

	Female	2039	18222549.860	13116112.698	5106437.16
		1990	307897.357	307897.357	0.000
		1991	616547.418	616108.559	438.859
		1992	931086.773	929347.871	1738.902
		1993	1246155.671	1241872.381	4283.290
		1994	1561212.934	1552773.197	8439.737
		1995	1879967.742	1865253.501	14714.241
		1996	2197488.109	2174073.194	23414.915
		1997	2515698.453	2480697.927	35000.526
		1998	2836249.556	2786396.499	49853.057
		1999	3150201.390	3082225.937	67975.453
		2000	3472722.342	3382215.603	90506.740
		2001	3796994.889	3679168.530	117826.359
		2002	4126619.935	3975848.948	150770.987
		2003	4454982.533	4266053.328	188929.206
		2004	4784343.030	4551109.849	233233.181
		2005	5113443.121	4829607.893	283835.227
		2006	5442543.963	5100839.403	341704.560
		2007	5772441.497	5365455.347	406986.149
		2008	6091911.943	5614303.620	477608.323
		2009	6413671.330	5856624.067	557047.263
		2010	6730763.530	6087865.121	642898.408
		2011	7043614.101	6307706.790	735907.311
		2012	7356270.780	6518912.290	837358.490
		2013	7662551.964	6717456.275	945095.689
		2014	7964551.465	6904836.047	1059715.42
		2015	8254895.403	7077973.870	1176921.53
		2016	8530661.848	7234287.334	1296374.51
		2017	8795826.122	7377328.833	1418497.29
		2018	9067233.707	7514694.752	1552538.96
		2019	9335343.270	7642245.535	1693097.74
		2020	9596110.883	7759930.205	1836180.68
		2021	9833186.859	7861374.098	1971812.76
		2022	10066452.037	7954391.571	2112060.47
		2023	10295503.609	8039321.721	2256181.89
		2024	10520125.318	8116163.300	2403962.02
		2025	10731915.863	8184867.988	2547047.88
		2026	10917495.549	8240876.865	2676618.68
		2027	11098620.885	8290856.947	2807763.94
		2028	11275441.234	8335495.827	2939945.41
		2029	11447962.710	8374840.243	3073122.47
		2030	11601867.623	8408588.116	3193279.51
		2031	11731666.516	8433772.999	3297893.52
		2032	11857585.969	8455615.959	3401970.01
		2033	11980128.625	8474628.313	3505500.31
		2034	12099562.464	8490920.596	3608641.87
		2035	12195919.946	8503856.773	3692063.17
		2036	12278201.969	8513016.654	3765185.32
		2037	12358146.336	8520862.962	3837283.37
		2038	12435978.633	8527540.419	3908438.21
		2039	12512468.845	8533202.409	3979266.44
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1011727.745	7491.649
		1992	1509598.614	1481745.433	27853.182
		1993	1992735.299	1927760.329	64974.970
		1994	2462877.575	2341474.159	121403.416
		1995	2928249.390	2728157.894	200091.495
		1996	3377377.730	3076131.879	301245.851
		1997	3809062.472	3385638.421	423424.051
		1998	4222213.867	3657489.343	564724.525
		1999	4708317.743	3948401.277	759916.467
		2000	5182084.396	4205525.708	976558.689
		2001	5644097.705	4429179.328	1214918.38
		2002	6107232.129	4628299.438	1478932.69
		2003	6561785.704	4800595.286	1761190.42
		2004	6996156.348	4945751.356	2050404.99
		2005	7426261.361	5072358.857	2353902.50
		2006	7849012.694	5179723.968	2669288.73
		2007	8255300.530	5269375.875	2985924.65
		2008	8650662.040	5345204.421	3305457.62
		2009	9030818.513	5408638.258	3622180.25
		2010	9403026.327	5462386.257	3940640.07
		2011	9767535.506	5507675.692	4259859.81
		2012	10123044.281	5545959.014	4577085.27
		2013	10470104.786	5577964.409	4892140.38
		2014	10807756.112	5604826.796	5202929.32
		2015	11130681.425	5627101.620	5503579.80
		2016	11448966.506	5645739.520	5803226.99

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

		2017	11758164.882	5661378.518	6096786.36
		2018	12054448.241	5673476.526	6380971.72
		2019	12341606.261	5683479.123	6658127.14
		2020	12600728.939	5691364.355	6909364.58
		2021	12861767.105	5697891.000	7163876.10
		2022	13114168.616	5703312.999	7410855.62
		2023	13357894.797	5707654.862	7650239.94
		2024	13593848.521	5711226.775	7882621.75
		2025	13789177.359	5713934.804	8075242.56
		2026	13993401.656	5716150.083	8277251.57
		2027	14190519.224	5718034.454	8472484.77
		2028	14381193.356	5719498.341	8661695.02
		2029	14565171.927	5720628.585	8844543.34
		2030	14697381.605	5721500.656	8975880.95
		2031	14842203.512	5722299.378	9119904.13
		2032	14982485.826	5723042.449	9259443.38
		2033	15118410.647	5723575.557	9394835.09
		2034	15250284.398	5723924.964	9526359.43
		2035	15322911.166	5724182.333	9598728.83
		2036	15405115.031	5724412.990	9680702.04
		2037	15484709.137	5724642.815	9760066.32
		2038	15561812.193	5724837.704	9836974.49
		2039	15635992.616	5724950.875	9911041.74
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293157.428	1965.034
		1992	439962.920	432598.361	7364.559
		1993	584735.615	567251.868	17483.748
		1994	727640.783	694544.484	33096.299
		1995	868486.937	813721.308	54765.629
		1996	1010321.847	926170.743	84151.105
		1997	1144230.930	1025687.986	118542.944
		1998	1274513.622	1115471.784	159041.838
		1999	1426725.938	1212228.496	214497.442
		2000	1573462.680	1297974.966	275487.713
		2001	1719132.015	1374361.397	344770.618
		2002	1863006.732	1441881.273	421125.459
		2003	2002943.227	1500451.526	502491.701
		2004	2137798.705	1550556.116	587242.589
		2005	2271071.245	1594655.654	676415.591
		2006	2400707.731	1632015.616	768692.115
		2007	2523634.512	1663143.488	860491.024
		2008	2648752.232	1690703.678	958048.555
		2009	2765973.961	1713452.867	1052521.09
		2010	2881329.235	1733020.560	1148308.67
		2011	2994972.694	1749716.000	1245256.69
		2012	3108958.829	1764116.382	1344842.45
		2013	3218140.416	1776293.328	1441847.09
		2014	3328387.914	1786871.492	1541516.42
		2015	3435342.796	1796040.706	1639302.09
		2016	3539189.408	1803810.539	1735378.87
		2017	3640041.363	1810355.865	1829685.50
		2018	3732645.362	1815493.669	1917151.69
		2019	3821421.978	1819720.801	2001701.18
		2020	3902115.950	1823153.841	2078962.11
		2021	3984301.053	1826142.048	2158159.00
		2022	4062629.299	1828547.923	2234081.38
		2023	4137348.729	1830502.793	2306845.94
		2024	4208611.493	1832054.376	2376557.12
		2025	4269419.492	1833302.366	2436117.13
		2026	4330969.998	1834346.849	2496623.15
		2027	4389134.306	1835159.085	2553975.22
		2028	4444222.970	1835795.300	2608427.67
		2029	4496447.877	1836304.021	2660143.86
		2030	4536975.698	1836706.790	2700268.91
		2031	4578338.586	1837038.926	2741299.66
		2032	4617397.784	1837291.259	2780106.53
		2033	4654407.697	1837486.867	2816920.83
		2034	4689913.454	1837640.197	2852273.26
		2035	4712518.190	1837756.097	2874762.09
		2036	4735845.827	1837846.470	2897999.36
		2037	4757958.806	1837913.238	2920045.57
		2038	4778813.806	1837960.782	2940853.02
		2039	4798769.065	1837998.768	2960770.30
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148704.941	758.077
		1992	222966.278	220145.105	2821.173
		1993	296801.879	290077.159	6724.720
		1994	372453.706	359420.711	13032.995

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

	1995	448401.338	426350.496	22050.842
	1996	523536.301	489580.484	33955.818
	1997	596763.211	548025.965	48737.246
	1998	667546.681	601326.600	66220.081
	1999	734925.407	648963.332	85962.075
	2000	803749.361	694452.846	109296.515
	2001	870081.588	735050.089	135031.499
	2002	935347.140	771964.758	163382.382
	2003	1001627.349	806218.677	195408.672
	2004	1066587.976	836975.714	229612.261
	2005	1130548.052	864493.124	266054.928
	2006	1195132.454	889572.278	305560.175
	2007	1258974.043	911918.570	347055.474
	2008	1320124.867	931050.261	389074.605
	2009	1380776.123	948060.569	432715.554
	2010	1440048.533	962965.567	477082.966
	2011	1497484.847	975890.999	521593.847
	2012	1554496.526	987197.572	567298.954
	2013	1610819.598	997104.400	613715.198
	2014	1667484.890	1005843.440	661641.450
	2015	1720948.287	1013253.472	707694.814
	2016	1775699.228	1019874.190	755825.038
	2017	1830250.175	1025671.495	804578.679
	2018	1875958.950	1029967.501	845991.449
	2019	1920359.232	1033627.923	886731.309
	2020	1960605.297	1036593.704	924011.594
	2021	1998912.887	1039054.358	959858.530
	2022	2036003.696	1041123.968	994879.728
	2023	2071857.536	1042848.914	1029008.62
	2024	2106636.468	1044311.958	1062324.51
	2025	2136450.873	1045433.284	1091017.59
	2026	2164796.470	1046346.479	1118449.99
	2027	2192079.608	1047115.219	1144964.39
	2028	2218404.367	1047745.786	1170658.58
	2029	2243769.140	1048268.392	1195500.75
	2030	2263570.213	1048635.589	1214934.62
	2031	2282521.590	1048943.363	1233578.23
	2032	2300804.945	1049204.464	1251600.48
	2033	2318464.018	1049415.494	1269048.52
	2034	2335611.973	1049590.673	1286021.30
	2035	2347097.290	1049698.364	1297398.93
	2036	2358248.747	1049788.725	1308460.02
	2037	2369033.655	1049868.501	1319165.15
	2038	2379490.114	1049937.130	1329552.98
	2039	2389546.238	1049991.990	1339554.25
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110329.153	542.709
	1992	165654.454	163570.563	2083.892
	1993	220008.519	215028.984	4979.536
	1994	275706.807	266025.987	9680.820
	1995	331417.547	315069.933	16347.615
	1996	387580.161	362254.222	25325.939
	1997	442778.242	406295.603	36482.639
	1998	496117.305	446536.794	49580.510
	1999	548268.214	483545.646	64722.569
	2000	601693.202	519098.258	82594.943
	2001	652221.103	550396.670	101824.432
	2002	703022.600	579478.873	123543.727
	2003	752023.351	605312.065	146711.286
	2004	799826.733	628376.945	171449.788
	2005	847563.928	649431.058	198132.870
	2006	894205.027	668123.786	226081.241
	2007	939571.282	684555.900	255015.382
	2008	983437.578	698923.209	284514.369
	2009	1025803.786	711426.597	314377.189
	2010	1066964.934	722296.057	344668.877
	2011	1106954.044	731726.334	375227.710
	2012	1146108.461	739986.280	406122.181
	2013	1183544.689	747051.627	436493.062
	2014	1221220.945	753353.809	467867.136
	2015	1258289.311	758959.646	499329.666
	2016	1294830.207	763854.820	530975.387
	2017	1330332.626	768072.271	562260.355
	2018	1360571.987	771266.711	589305.276
	2019	1389848.723	773970.137	615878.586
	2020	1416046.192	776165.421	639880.772
	2021	1440588.850	777971.538	662617.312
	2022	1464157.934	779481.381	684676.553

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

		2023	1486810.237	780753.005	706057.232
		2024	1508591.729	781809.570	726782.159
		2025	1526875.621	782625.542	744250.079
		2026	1543659.810	783273.425	760386.384
		2027	1559623.774	783805.994	775817.781
		2028	1574852.850	784247.241	790605.609
		2029	1589437.452	784611.445	804826.007
		2030	1600568.199	784870.780	815697.419
		2031	1610776.297	785075.719	825700.578
		2032	1620483.563	785244.259	835239.304
		2033	1629745.442	785382.770	844362.672
		2034	1638721.425	785496.374	853225.051
		2035	1644649.404	785567.044	859082.360
		2036	1650181.590	785622.238	864559.352
		2037	1655476.066	785667.760	869808.306
		2038	1660507.914	785705.197	874802.717
		2039	1665361.569	785736.357	879625.213
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233225.369	213.464
		1992	348084.047	347292.660	791.387
		1993	467278.318	465333.875	1944.443
		1994	584216.907	580390.483	3826.424
		1995	697391.457	690863.771	6527.686
		1996	809471.271	799253.557	10217.713
		1997	922587.668	907434.030	15153.637
		1998	1034072.457	1012804.770	21267.687
		1999	1153475.399	1124139.905	29335.494
		2000	1268050.268	1229161.271	38888.997
		2001	1382786.209	1332406.053	50380.156
		2002	1497557.412	1433535.525	64021.886
		2003	1614405.229	1534518.477	79886.752
		2004	1726672.489	1629284.243	97388.246
		2005	1847277.524	1728848.159	118429.366
		2006	1961009.963	1820149.701	140860.262
		2007	2079868.908	1912789.234	167079.674
		2008	2206755.783	2008971.329	197784.454
		2009	2331993.380	2100939.537	231053.844
		2010	2455130.176	2188520.477	266609.700
		2011	2582657.849	2276077.414	306580.434
		2012	2709719.005	2360054.829	349664.176
		2013	2840547.005	2443080.877	397466.128
		2014	2971677.135	2522916.066	448761.069
		2015	3104538.983	2601624.371	502914.611
		2016	3237650.175	2676810.635	560839.540
		2017	3370561.253	2748701.555	621859.698
		2018	3503136.371	2816514.578	686621.793
		2019	3636402.758	2881290.476	755112.282
		2020	3768054.453	2942685.609	825368.843
		2021	3897675.067	2999794.401	897880.665
		2022	4027307.132	3053595.837	973711.295
		2023	4156698.720	3103991.839	1052706.88
		2024	4285772.226	3151075.115	1134697.11
		2025	4410759.298	3194543.001	1216216.30
		2026	4531411.064	3233305.579	1298105.49
		2027	4651145.233	3268938.686	1382206.55
		2028	4769837.872	3301503.856	1468334.02
		2029	4887747.179	3331250.048	1556497.13
2030	4997632.895	3357665.920	1639966.97		
2031	5103301.991	3380215.204	1723086.79		
2032	5207593.613	3400367.839	1807225.77		
2033	5310556.138	3418207.936	1892348.20		
2034	5412542.816	3434027.896	1978514.92		
2035	5500522.473	3447090.269	2053432.20		
2036	5588149.640	3458343.863	2129805.78		
2037	5674667.886	3468180.456	2206487.43		
2038	5760391.289	3476699.393	2283691.90		
2039	5845459.234	3484132.344	2361326.89		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159852.357	177.153
		1992	240642.531	239967.922	674.610
		1993	329362.093	327620.720	1741.374
		1994	418569.515	415078.030	3491.485
		1995	509110.357	502962.346	6148.012
		1996	600040.117	590266.492	9773.625
		1997	691159.071	676653.710	14505.361
		1998	782866.899	762445.479	20421.419
		1999	881526.925	853292.480	28234.445
		2000	977880.647	940603.877	37276.770

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

2001	1076787.404	1028575.723	48211.681
2002	1174842.754	1113990.478	60852.276
2003	1275102.681	1199571.131	75531.550
2004	1371026.306	1279658.420	91367.886
2005	1473954.509	1363382.472	110572.037
2006	1574450.828	1443005.889	131444.939
2007	1673790.211	1519533.704	154256.508
2008	1782360.738	1600751.110	181609.627
2009	1892944.209	1680607.501	212336.708
2010	2002131.282	1757032.320	245098.962
2011	2114522.152	1832747.790	281774.362
2012	2228079.372	1906537.092	321542.279
2013	2345377.689	1979679.667	365698.022
2014	2462498.422	2049625.775	412872.647
2015	2581450.312	2118588.740	462861.572
2016	2701959.301	2185317.207	516642.094
2017	2823834.967	2249674.525	574160.442
2018	2938265.081	2307856.171	630408.909
2019	3053254.880	2363397.743	689857.136
2020	3167073.216	2416141.119	750932.097
2021	3279517.699	2466103.508	813414.191
2022	3392060.964	2513321.775	878739.189
2023	3504296.171	2557715.837	946580.334
2024	3616019.231	2599171.588	1016847.64
2025	3724611.269	2637653.193	1086958.08
2026	3827181.707	2672331.579	1154850.13
2027	3928684.441	2704315.639	1224368.80
2028	4029124.892	2733800.647	1295324.25
2029	4128269.068	2760675.963	1367593.10
2030	4221560.174	2784815.698	1436744.48
2031	4304170.584	2804617.786	1499552.80
2032	4384930.537	2822295.829	1562634.71
2033	4464357.691	2838146.488	1626211.20
2034	4542251.545	2852137.827	1690113.72
2035	4611066.648	2863968.355	1747098.29
2036	4670309.230	2873007.664	1797301.57
2037	4728179.514	2880894.258	1847285.26
2038	4785008.048	2887768.042	1897240.01
2039	4841291.793	2893734.311	1947557.48

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2570720.217	9145.141
		1992	3830683.831	3796652.137	34031.695
		1993	5076567.803	4996694.927	79872.876
		1994	6292145.526	6141843.477	150302.049
		1995	7485537.010	7236431.401	249105.609
		1996	8655955.028	8278285.276	377669.752
		1997	9791729.713	9256954.968	534774.745
		1998	10899134.186	10180113.782	719020.404
		1999	12070409.674	11104694.035	965715.639
		2000	13231384.595	11986457.721	1244926.87
		2001	14371761.018	12815597.035	1556163.98
		2002	15508906.386	13604343.483	1904562.90
		2003	16638100.422	14353311.318	2284789.10
		2004	17736465.088	15053129.112	2683335.98
		2005	18834658.606	15724563.240	3110095.37
		2006	19909100.501	16347836.374	3561264.13
		2007	20958321.463	16931604.016	4026717.45
		2008	22000068.148	17489781.351	4510286.80
		2009	23018816.903	18014212.148	5004604.76
		2010	24018480.537	18506161.900	5512318.64
		2011	25003034.574	18969467.029	6033567.54
		2012	25969871.429	19402807.630	6567063.80
		2013	26920275.180	19808395.362	7111879.82
		2014	27849005.227	20184810.787	7664194.44
		2015	28749620.400	20536450.816	8213169.58
		2016	29622417.562	20854012.114	8768405.45
		2017	30462559.724	21140922.734	9321636.99
		2018	31293299.299	21413160.934	9880138.36
		2019	32109993.427	21666732.936	10443260.5
		2020	32883323.977	21900509.494	10982814.5
		2021	33610102.554	22098107.915	11511994.6
		2022	34322010.448	22279974.310	12042036.1
		2023	35018383.550	22446195.714	12572187.8
		2024	35700177.955	22598059.170	13102118.8
		2025	36315500.346	22734203.736	13581296.6
		2026	36896159.343	22844692.512	14051466.8
		2027	37462570.116	22944304.006	14518266.1
		2028	38015337.780	23033309.054	14982028.7
		2029	38554814.764	23112956.586	15441858.2
		2030	39003805.400	23181565.525	15822239.9
		2031	39436509.703	23235418.509	16201091.2
2032	39858470.458	23282961.633	16575508.8		
2033	40270147.082	23324233.943	16945913.1		
2034	40672665.743	23360218.075	17312447.7		
2035	40962732.664	23388810.122	17573922.5		
2036	41255021.653	23411916.502	17843105.2		
2037	41540573.023	23432032.807	18108540.2		
2038	41820158.066	23449234.219	18370923.8		
2039	42093547.949	23464047.638	18629500.3		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1179447.497	3123.755	
1992		1777346.679	1765486.854	11859.825	
1993		2380261.899	2351784.342	28477.557	
1994		2983130.039	2928451.956	54678.083	
1995		3588982.584	3497075.179	91907.404	
1996		4195430.235	4052895.448	142534.786	
1997		4793866.694	4589560.381	204306.313	
1998		5389747.381	5111209.241	278538.140	
1999		6006722.467	5631834.279	374888.188	
2000		6625758.871	6140676.194	485082.677	
2001		7245135.411	6633588.361	611547.050	
2002		7867492.021	7112654.382	754837.638	
2003		8485051.793	7573282.750	911769.043	
2004		9092994.774	8012101.931	1080892.84	
2005		9706032.803	8440060.786	1265972.02	
2006		10311907.548	8847618.242	1464289.31	
2007		10909437.502	9237042.657	1672394.84	
2008		11506462.491	9609829.649	1896632.84	
2009		12098393.287	9968124.455	2130268.83	
2010	12681188.981	10307151.953	2374037.03		

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

		2011	13260062.991	10629819.168	2630243.82
		2012	13839417.441	10938523.219	2900894.22
		2013	14409614.758	11230553.371	3179061.39
		2014	14976658.746	11505906.378	3470752.37
		2015	15529977.821	11763972.518	3766005.30
		2016	16066640.764	12000880.470	4065760.29
		2017	16590035.078	12220265.968	4369769.11
		2018	17098716.137	12425394.468	4673321.67
		2019	17599868.850	12616682.895	4983185.95
		2020	18081346.241	12794016.766	5287329.48
		2021	18537594.460	12951460.830	5586133.63
		2022	18985300.234	13096850.098	5888450.14
		2023	19423958.747	13230625.292	6193333.45
		2024	19853347.772	13352730.328	6500617.44
		2025	20252822.245	13463153.388	6789668.86
		2026	20619307.063	13556611.784	7062695.28
		2027	20976063.406	13640958.591	7335104.81
		2028	21323641.947	13717157.594	7606484.35
		2029	21662117.106	13785196.666	7876920.44
		2030	21960971.694	13844640.090	8116331.60
		2031	22224951.983	13890905.561	8334046.42
		2032	22480397.853	13931530.150	8548867.70
		2033	22728639.455	13967359.420	8761280.04
		2034	22970448.888	13998484.294	8971964.59
		2035	23164154.188	14023947.963	9140206.23
		2036	23334538.616	14042677.560	9291861.06
		2037	23499760.723	14058863.991	9440896.73
		2038	23660308.401	14072801.863	9587506.54
		2039	23817891.273	14084764.134	9733127.14
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177062.162	681.951
		1992	1750034.892	1747462.471	2572.421
		1993	2319752.308	2313494.282	6258.026
		1994	2872597.339	2860478.077	12119.262
		1995	3411494.825	3390888.902	20605.923
		1996	3945569.726	3913010.380	32559.345
		1997	4463316.362	4415353.750	47962.613
		1998	4975301.180	4907740.363	67560.818
		1999	5473691.125	5382082.389	91608.735
		2000	5977500.570	5855778.433	121722.137
		2001	6474795.516	6316919.354	157876.162
		2002	6968769.705	6767923.618	200846.087
		2003	7460282.140	7208711.234	251570.906
		2004	7947048.275	7637164.038	309884.237
		2005	8430571.669	8054147.151	376424.518
		2006	8903945.390	8452893.077	451052.313
		2007	9364177.982	8831198.696	532979.286
		2008	9822525.458	9197350.273	625175.185
		2009	10275228.886	9548467.193	726761.694
		2010	10720275.500	9883265.361	837010.139
		2011	11155356.373	10199845.751	955510.622
		2012	11582611.617	10498653.937	1083957.68
		2013	11998803.791	10778307.718	1220496.07
		2014	12402087.090	11038278.956	1363808.13
		2015	12793451.706	11280482.736	1512968.97
		2016	13160101.653	11496549.053	1663552.60
		2017	13503583.414	11689072.402	1814511.01
		2018	13859755.737	11876070.441	1983685.30
		2019	14211625.176	12050168.450	2161456.73
		2020	14553935.288	12210665.242	2343270.05
		2021	14851747.495	12341156.170	2510591.32
		2022	15144531.004	12460731.813	2683799.19
		2023	15431932.496	12569512.118	2862420.38
		2024	15713920.740	12668298.286	3045622.45
		2025	15979112.816	12756212.115	3222900.70
		2026	16206550.153	12823938.093	3382612.06
		2027	16428826.050	12884424.893	3544401.16
		2028	16645902.186	12937969.371	3707932.81
		2029	16858126.517	12985455.393	3872671.12
		2030	17045220.687	13025693.021	4019527.67
		2031	17208482.610	13055253.477	4153229.13
		2032	17367586.074	13081048.507	4286537.57
		2033	17522716.280	13103195.802	4419520.48
		2034	17674226.555	13122340.612	4551885.94
		2035	17792201.734	13137071.358	4655130.38
		2036	17903508.236	13148221.874	4755286.36
		2037	18012162.345	13157849.227	4854313.12
		2038	18118464.470	13165963.090	4952501.38

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

	Female	2039	18222549.860	13172905.900	5049643.96
		1990	307897.357	307897.357	0.000
		1991	616547.418	616108.559	438.859
		1992	931086.773	929349.047	1737.727
		1993	1246155.671	1241878.084	4277.587
		1994	1561212.934	1552789.931	8423.003
		1995	1879967.742	1865291.624	14676.118
		1996	2197488.109	2174147.100	23341.009
		1997	2515698.453	2480826.845	34871.607
		1998	2836249.556	2786604.991	49644.565
		1999	3150201.390	3082539.677	67661.713
		2000	3472722.342	3382673.402	90048.941
		2001	3796994.889	3679809.745	117185.144
		2002	4126619.935	3976720.047	149899.888
		2003	4454982.533	4267203.040	187779.494
		2004	4784343.030	4552589.174	231753.857
		2005	5113443.121	4831467.191	281975.930
		2006	5442543.963	5103131.547	339412.415
		2007	5772441.497	5368237.289	404204.207
		2008	6091911.943	5617614.741	474297.202
		2009	6413671.330	5860519.365	553151.965
		2010	6730763.530	6092390.212	638373.317
		2011	7043614.101	6312901.961	730712.140
		2012	7356270.780	6524824.887	831445.893
		2013	7662551.964	6724117.246	938434.717
		2014	7964551.465	6912278.577	1052272.89
		2015	8254895.403	7086215.627	1168679.78
		2016	8530661.848	7243323.083	1287338.76
		2017	8795826.122	7387164.443	1408661.68
		2018	9067233.707	7525363.962	1541869.74
		2019	9335343.270	7653756.010	1681587.26
		2020	9596110.883	7772285.648	1823825.23
		2021	9833186.859	7874529.239	1958657.62
		2022	10066452.037	7968337.232	2098114.80
		2023	10295503.609	8054043.536	2241460.07
		2024	10520125.318	8131638.976	2388486.34
		2025	10731915.863	8201073.497	2530842.37
		2026	10917495.549	8257728.931	2659766.62
		2027	11098620.885	8308323.765	2790297.12
		2028	11275441.234	8353546.830	2921894.40
		2029	11447962.710	8393438.226	3054524.48
		2030	11601867.623	8427695.122	3174172.50
		2031	11731666.516	8453283.761	3278382.75
		2032	11857585.969	8475493.452	3382092.52
		2033	11980128.625	8494840.710	3485287.92
		2034	12099562.464	8511432.919	3588129.55
		2035	12195919.946	8524630.372	3671289.57
		2036	12278201.969	8533977.978	3744223.99
		2037	12358146.336	8541988.831	3816157.50
		2038	12435978.633	8548809.754	3887168.88
		2039	12512468.845	8554596.122	3957872.72
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1011727.745	7491.649
		1992	1509598.614	1481750.043	27848.571
		1993	1992735.299	1927780.946	64954.353
		1994	2462877.575	2341529.839	121347.736
		1995	2928249.390	2728275.453	199973.936
		1996	3377377.730	3076342.166	301035.563
		1997	3809062.472	3385974.697	423087.775
		1998	4222213.867	3657983.190	564230.677
		1999	4708317.743	3949123.103	759194.640
		2000	5182084.396	4206519.585	975564.811
		2001	5644097.705	4430478.044	1213619.66
		2002	6107232.129	4629937.493	1477294.64
		2003	6561785.704	4802592.811	1759192.89
		2004	6996156.348	4948113.020	2048043.33
		2005	7426261.361	5075095.927	2351165.43
		2006	7849012.694	5182830.452	2666182.24
		2007	8255300.530	5272837.509	2982463.02
		2008	8650662.040	5349009.710	3301652.33
		2009	9030818.513	5412768.830	3618049.68
		2010	9403026.327	5466824.985	3936201.34
		2011	9767535.506	5512402.710	4255132.80
		2012	10123044.281	5550955.035	4572089.25
		2013	10470104.786	5583207.700	4886897.09
		2014	10807756.112	5610296.998	5197459.11
		2015	11130681.425	5632778.653	5497902.77
		2016	11448966.506	5651604.234	5797362.27

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

		2017	11758164.882	5667412.934	6090751.95
		2018	12054448.241	5679649.695	6374798.55
		2019	12341606.261	5689774.594	6651831.67
		2020	12600728.939	5697766.386	6902962.55
		2021	12861767.105	5704385.760	7157381.35
		2022	13114168.616	5709887.870	7404280.75
		2023	13357894.797	5714297.729	7643597.07
		2024	13593848.521	5717928.868	7875919.65
		2025	13789177.359	5720686.662	8068490.70
		2026	13993401.656	5722943.151	8270458.50
		2027	14190519.224	5724863.384	8465655.84
		2028	14381193.356	5726357.231	8654836.12
		2029	14565171.927	5727512.037	8837659.89
		2030	14697381.605	5728404.146	8968977.46
		2031	14842203.512	5729221.440	9112982.07
		2032	14982485.826	5729981.589	9252504.24
		2033	15118410.647	5730527.728	9387882.92
		2034	15250284.398	5730886.651	9519397.75
		2035	15322911.166	5731151.434	9591759.73
		2036	15405115.031	5731388.653	9673726.38
		2037	15484709.137	5731624.919	9753084.22
		2038	15561812.193	5731825.509	9829986.68
		2039	15635992.616	5731942.468	9904050.15
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293157.428	1965.034
		1992	439962.920	432598.855	7364.065
		1993	584735.615	567254.192	17481.424
		1994	727640.783	694551.053	33089.730
		1995	868486.937	813735.592	54751.345
		1996	1010321.847	926197.342	84124.505
		1997	1144230.930	1025731.750	118499.180
		1998	1274513.622	1115538.047	158975.575
		1999	1426725.938	1212328.308	214397.630
		2000	1573462.680	1298115.129	275347.551
		2001	1719132.015	1374547.840	344584.175
		2002	1863006.732	1442119.017	420887.715
		2003	2002943.227	1500744.157	502199.070
		2004	2137798.705	1550905.556	586893.149
		2005	2271071.245	1595064.665	676006.580
		2006	2400707.731	1632483.449	768224.282
		2007	2523634.512	1663668.134	859966.378
		2008	2648752.232	1691285.686	957466.547
		2009	2765973.961	1714089.047	1051884.91
		2010	2881329.235	1733709.211	1147620.02
		2011	2994972.694	1750454.713	1244517.98
		2012	3108958.829	1764902.737	1344056.09
		2013	3218140.416	1777124.397	1441016.02
		2014	3328387.914	1787745.231	1540642.68
		2015	3435342.796	1796955.497	1638387.30
		2016	3539189.408	1804763.582	1734425.83
		2017	3640041.363	1811344.280	1828697.08
		2018	3732645.362	1816512.255	1916133.11
		2019	3821421.978	1820766.330	2000655.65
		2020	3902115.950	1824223.426	2077892.52
		2021	3984301.053	1827234.253	2157066.80
		2022	4062629.299	1829659.837	2232969.46
		2023	4137348.729	1831632.054	2305716.68
		2024	4208611.493	1833198.484	2375413.01
		2025	4269419.492	1834459.461	2434960.03
		2026	4330969.998	1835515.687	2495454.31
		2027	4389134.306	1836337.726	2552796.58
		2028	4444222.970	1836982.170	2607240.80
		2029	4496447.877	1837497.886	2658949.99
		2030	4536975.698	1837906.607	2699069.09
		2031	4578338.586	1838244.016	2740094.57
		2032	4617397.784	1838500.548	2778897.24
		2033	4654407.697	1838699.647	2815708.05
		2034	4689913.454	1838855.855	2851057.60
		2035	4712518.190	1838974.107	2873544.08
		2036	4735845.827	1839066.418	2896779.41
		2037	4757958.806	1839134.678	2918824.13
		2038	4778813.806	1839183.342	2939630.46
		2039	4798769.065	1839222.266	2959546.80
	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148704.941	758.077
		1992	222966.278	220145.755	2820.523
		1993	296801.879	290080.134	6721.745
		1994	372453.706	359429.104	13024.602
Stroke					

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

	1995	448401.338	426368.696	22032.642
	1996	523536.301	489614.120	33922.181
	1997	596763.211	548081.234	48681.977
	1998	667546.681	601409.852	66136.829
	1999	734925.407	649080.339	85845.068
	2000	803749.361	694613.319	109136.042
	2001	870081.588	735260.164	134821.424
	2002	935347.140	772231.729	163115.411
	2003	1001627.349	806549.229	195078.120
	2004	1066587.976	837375.141	229212.834
	2005	1130548.052	864965.343	265582.709
	2006	1195132.454	890121.501	305010.953
	2007	1258974.043	912546.490	346427.554
	2008	1320124.867	931754.559	388370.308
	2009	1380776.123	948841.471	431934.653
	2010	1440048.533	963821.625	476226.908
	2011	1497484.847	976820.068	520664.779
	2012	1554496.526	988196.314	566300.213
	2013	1610819.598	998170.562	612649.036
	2014	1667484.890	1006973.897	660510.993
	2015	1720948.287	1014444.685	706503.602
	2016	1775699.228	1021123.622	754575.606
	2017	1830250.175	1026975.836	803274.339
	2018	1875958.950	1031316.426	844642.523
	2019	1920359.232	1035017.265	885341.967
	2020	1960605.297	1038019.310	922585.987
	2021	1998912.887	1040511.859	958401.028
	2022	2036003.696	1042609.647	993394.049
	2023	2071857.536	1044359.392	1027498.14
	2024	2106636.468	1045844.489	1060791.98
	2025	2136450.873	1046984.751	1089466.12
	2026	2164796.470	1047913.899	1116882.57
	2027	2192079.608	1048696.531	1143383.08
	2028	2218404.367	1049339.008	1169065.36
	2029	2243769.140	1049871.711	1193897.43
	2030	2263570.213	1050246.938	1213323.27
	2031	2282521.590	1050561.654	1231959.94
	2032	2300804.945	1050828.751	1249976.19
	2033	2318464.018	1051044.776	1267419.24
	2034	2335611.973	1051224.204	1284387.77
	2035	2347097.290	1051334.859	1295762.43
	2036	2358248.747	1051427.753	1306820.99
	2037	2369033.655	1051509.786	1317523.87
	2038	2379490.114	1051580.420	1327909.69
	2039	2389546.238	1051636.941	1337909.30
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110329.153	542.709
	1992	165654.454	163570.722	2083.733
	1993	220008.519	215029.733	4978.787
	1994	275706.807	266028.124	9678.683
	1995	331417.547	315074.653	16342.894
	1996	387580.161	362263.117	25317.044
	1997	442778.242	406310.498	36467.743
	1998	496117.305	446559.660	49557.645
	1999	548268.214	483578.530	64689.684
	2000	601693.202	519144.030	82549.171
	2001	652221.103	550457.102	101764.000
	2002	703022.600	579556.223	123466.377
	2003	752023.351	605407.965	146615.386
	2004	799826.733	628492.764	171333.968
	2005	847563.928	649568.260	197995.668
	2006	894205.027	668283.508	225921.519
	2007	939571.282	684738.518	254832.764
	2008	983437.578	699128.812	284308.766
	2009	1025803.786	711655.058	314148.728
	2010	1066964.934	722546.962	344417.972
	2011	1106954.044	731999.206	374954.838
	2012	1146108.461	740280.499	405827.962
	2013	1183544.689	747366.273	436178.417
	2014	1221220.945	753688.627	467532.318
	2015	1258289.311	759314.559	498974.753
	2016	1294830.207	764228.982	530601.225
	2017	1330332.626	768464.778	561867.848
	2018	1360571.987	771674.511	588897.476
	2019	1389848.723	774391.936	615456.787
	2020	1416046.192	776599.987	639446.206
	2021	1440588.850	778417.526	662171.323
	2022	1464157.934	779937.572	684220.363

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

		2023	1486810.237	781218.389	705591.849
		2024	1508591.729	782283.083	726308.647
		2025	1526875.621	783106.188	743769.433
		2026	1543659.810	783760.073	759899.737
		2027	1559623.774	784297.798	775325.977
		2028	1574852.850	784743.529	790109.321
		2029	1589437.452	785111.614	804325.838
		2030	1600568.199	785374.154	815194.046
		2031	1610776.297	785581.727	825194.569
		2032	1620483.563	785752.494	834731.070
		2033	1629745.442	785892.902	843852.540
		2034	1638721.425	786008.119	852713.306
		2035	1644649.404	786079.989	858569.415
		2036	1650181.590	786136.137	864045.452
		2037	1655476.066	786182.459	869293.607
		2038	1660507.914	786220.569	874287.344
		2039	1665361.569	786252.308	879109.261
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233225.369	213.464
		1992	348084.047	347293.867	790.180
		1993	467278.318	465339.566	1938.752
		1994	584216.907	580406.458	3810.449
		1995	697391.457	690898.349	6493.107
		1996	809471.271	799318.608	10152.662
		1997	922587.668	907545.288	15042.380
		1998	1034072.457	1012980.376	21092.080
		1999	1153475.399	1124408.204	29067.195
		2000	1268050.268	1229546.384	38503.884
		2001	1382786.209	1332939.472	49846.737
		2002	1497557.412	1434250.644	63306.768
		2003	1614405.229	1535458.043	78947.186
		2004	1726672.489	1630476.913	96195.577
		2005	1847277.524	1730354.819	116922.705
		2006	1961009.963	1821991.344	139018.619
		2007	2079868.908	1915021.321	164847.587
		2008	2206755.783	2011666.809	195088.974
		2009	2331993.380	2104134.655	227858.726
		2010	2455130.176	2192249.930	262880.247
		2011	2582657.849	2280398.501	302259.348
		2012	2709719.005	2365002.344	344716.661
		2013	2840547.005	2448709.382	391837.624
		2014	2971677.135	2529260.936	442416.199
		2015	3104538.983	2608744.742	495794.241
		2016	3237650.175	2684735.205	552914.970
		2017	3370561.253	2757461.562	613099.690
		2018	3503136.371	2826124.372	677011.999
		2019	3636402.758	2891772.627	744630.131
		2020	3768054.453	2954058.556	813995.897
		2021	3897675.067	3012054.126	885620.941
		2022	4027307.132	3066744.980	960562.152
		2023	4156698.720	3118026.475	1038672.24
		2024	4285772.226	3165987.526	1119784.70
		2025	4410759.298	3210320.209	1200439.09
		2026	4531411.064	3249897.369	1281513.70
		2027	4651145.233	3286319.198	1364826.03
		2028	4769837.872	3319643.443	1450194.43
		2029	4887747.179	3350117.446	1537629.73
2030	4997632.895	3377221.420	1620411.48		
2031	5103301.991	3400381.938	1702920.05		
2032	5207593.613	3421102.785	1786490.83		
2033	5310556.138	3439465.637	1871090.50		
2034	5412542.816	3455766.608	1956776.21		
2035	5500522.473	3469252.470	2031270.00		
2036	5588149.640	3480878.222	2107271.42		
2037	5674667.886	3491048.875	2183619.01		
2038	5760391.289	3499865.200	2260526.09		
2039	5845459.234	3507562.329	2337896.90		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159852.357	177.153
		1992	240642.531	239968.230	674.301
		1993	329362.093	327622.334	1739.759
		1994	418569.515	415082.848	3486.667
		1995	509110.357	502973.310	6137.047
		1996	600040.117	590287.889	9752.228
		1997	691159.071	676691.288	14467.783
		1998	782866.899	762506.544	20360.355
		1999	881526.925	853387.764	28139.161
		2000	977880.647	940743.633	37137.014

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

2001	1076787.404	1028773.673	48013.730
2002	1174842.754	1114259.095	60583.658
2003	1275102.681	1199927.588	75175.093
2004	1371026.306	1280114.437	90911.869
2005	1473954.509	1363960.670	109993.839
2006	1574450.828	1443719.738	130731.090
2007	1673790.211	1520398.716	153391.495
2008	1782360.738	1601800.411	180560.327
2009	1892944.209	1681860.985	211083.224
2010	2002131.282	1758505.567	243625.715
2011	2114522.152	1834463.287	280058.865
2012	2228079.372	1908515.096	319564.276
2013	2345377.689	1981945.455	363432.234
2014	2462498.422	2052193.943	410304.479
2015	2581450.312	2121486.836	459963.475
2016	2701959.301	2188564.823	513394.478
2017	2823834.967	2253292.466	570542.501
2018	2938265.081	2311843.739	626421.341
2019	3053254.880	2367768.620	685486.260
2020	3167073.216	2420907.704	746165.512
2021	3279517.699	2471279.812	808237.887
2022	3392060.964	2518915.458	873145.506
2023	3504296.171	2563731.315	940564.857
2024	3616019.231	2605609.785	1010409.45
2025	3724611.269	2644514.242	1080097.03
2026	3827181.707	2679607.094	1147574.61
2027	3928684.441	2711999.301	1216685.14
2028	4029124.892	2741885.064	1287239.83
2029	4128269.068	2769148.940	1359120.13
2030	4221560.174	2793664.208	1427895.97
2031	4304170.584	2813796.056	1490374.53
2032	4384930.537	2831783.656	1553146.88
2033	4464357.691	2847926.160	1616431.53
2034	4542251.545	2862187.402	1680064.14
2035	4611066.648	2874263.495	1736803.15
2036	4670309.230	2883497.026	1786812.20
2037	4728179.514	2891558.022	1836621.49
2038	4785008.048	2898588.198	1886419.85
2039	4841291.793	2904693.438	1936598.36

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	221916.237	221994.797
		35-39	1146798.555	566066.154	580732.401
		40-44	2609591.408	1243377.701	1366213.71
		45-49	4775841.753	2227971.526	2547870.23
		50-54	7446969.205	3619802.505	3827166.70
		55-59	8240205.925	4475359.419	3764846.51
		60-64	8772829.118	5221990.937	3550838.18
		65-69	6161494.678	4078732.566	2082762.11
		70-74	2495906.274	1719970.861	775935.412
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	135172.142	93968.419
		35-39	570217.942	328687.705	241530.237
		40-44	1267538.938	703790.375	563748.563
		45-49	2340070.698	1271475.744	1068594.95
		50-54	3743803.613	2048797.330	1695006.28
		55-59	4591478.168	2646075.267	1945402.90
		60-64	5207367.788	3139235.008	2068132.78
		65-69	4092181.394	2619049.035	1473132.36
70-74		1776092.171	1158389.239	617702.932	
Lung cancer	Males	30-34	66065.017	49875.036	16189.981
		35-39	232509.414	177134.650	55374.764
		40-44	688628.041	511057.163	177570.878
		45-49	1528300.367	1092395.560	435904.807
		50-54	2730187.229	1914376.381	815810.848
		55-59	3909101.673	2722399.674	1186702.00
		60-64	4287716.660	3094258.621	1193458.04
		65-69	3467897.115	2564197.927	903699.188
		70-74	1312144.343	990417.686	321726.657
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	39308.062	12605.051
		35-39	189792.904	143965.253	45827.651
		40-44	527596.573	380732.614	146863.959
		45-49	1122524.269	774600.593	347923.676
		50-54	1882214.322	1265131.381	617082.941
		55-59	2595581.943	1718862.257	876719.686
		60-64	2846273.090	1930908.781	915364.309
		65-69	2358758.394	1623995.237	734763.157
70-74		937814.238	655698.232	282116.006	
IHD	Males	30-34	263834.566	106205.536	157629.030
		35-39	692140.150	263657.235	428482.915
		40-44	1519708.432	515622.867	1004085.56
		45-49	2568546.697	782535.017	1786011.68
		50-54	3632929.903	1164786.860	2468143.04
		55-59	2807892.356	986972.263	1820920.09
		60-64	2599825.934	1101110.099	1498715.83
		65-69	1113578.307	552723.893	560854.414
		70-74	437536.271	251337.104	186199.166
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	34585.150	45063.947
		35-39	193965.908	72693.698	121272.210
		40-44	403380.974	131598.118	271782.856
		45-49	671385.408	199257.025	472128.383
		50-54	1011875.989	328270.322	683605.667
		55-59	849875.715	311423.709	538452.006
		60-64	925490.876	405421.384	520069.492
		65-69	455463.881	233915.867	221548.014
70-74		207681.216	120833.496	86847.721	
Stroke	Males	30-34	73463.650	41020.095	32443.554
		35-39	151934.057	81980.649	69953.407
		40-44	262845.974	133279.444	129566.530
		45-49	383421.246	179816.558	203604.688
		50-54	479872.634	201362.725	278509.908
		55-59	437124.903	168594.940	268529.963
		60-64	419457.235	165537.361	253919.873
		65-69	128180.574	53792.917	74387.657
		70-74	53245.965	24607.299	28638.666
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	38540.536	24378.554

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

		35-39	120806.205	69487.417	51318.788
		40-44	203391.885	107520.224	95871.661
		45-49	278172.097	135035.375	143136.723
		50-54	325979.181	146087.845	179891.336
		55-59	275161.340	115340.162	159821.178
		60-64	268920.493	114589.414	154331.079
		65-69	87956.054	39412.425	48543.629
		70-74	42055.224	19722.958	22332.266
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	24815.570	15732.231
		35-39	70214.933	43293.620	26921.314
		40-44	138408.960	83418.227	54990.733
		45-49	295573.443	173224.390	122349.053
		50-54	603979.438	339276.539	264702.900
		55-59	1086086.992	597392.542	488694.450
		60-64	1465829.290	861084.856	604744.434
		65-69	1451838.682	908017.829	543820.853
		70-74	692979.695	453608.771	239370.923
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	22738.394	11920.867
		35-39	65652.924	42541.336	23111.588
		40-44	133169.505	83939.419	49230.087
		45-49	267988.924	162582.752	105406.172
		50-54	523734.121	309307.782	214426.338
		55-59	870859.170	500449.138	370410.031
		60-64	1166683.329	688315.429	478367.900
		65-69	1190003.066	721725.506	468277.559
		70-74	588541.493	362134.553	226406.940
		75-79	0.000	0.000	0.000

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	221928.510	221982.524
		35-39	1146798.555	566159.342	580639.213
		40-44	2609591.408	1243984.551	1365606.86
		45-49	4775841.753	2230720.193	2545121.56
		50-54	7446969.205	3628264.395	3818704.81
		55-59	8240205.925	4489885.586	3750320.34
		60-64	8772829.118	5247916.477	3524912.64
		65-69	6161494.678	4102115.274	2059379.40
		70-74	2495906.274	1733073.310	762832.964
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	135175.576	93964.984
		35-39	570217.942	328713.444	241504.498
		40-44	1267538.938	703956.113	563582.825
		45-49	2340070.698	1272217.022	1067853.68
		50-54	3743803.613	2051143.404	1692660.21
		55-59	4591478.168	2650698.852	1940779.32
		60-64	5207367.788	3148453.100	2058914.69
		65-69	4092181.394	2629305.379	1462876.02
70-74		1776092.171	1165101.243	610990.928	
Lung cancer	Males	30-34	66065.017	49878.368	16186.650
		35-39	232509.414	177171.345	55338.069
		40-44	688628.041	511375.496	177252.545
		45-49	1528300.367	1094086.307	434214.060
		50-54	2730187.229	1919817.950	810369.279
		55-59	3909101.673	2732305.698	1176795.98
		60-64	4287716.660	3111116.024	1176600.64
		65-69	3467897.115	2579092.200	888804.915
		70-74	1312144.343	998062.512	314081.831
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	39309.265	12603.848
		35-39	189792.904	143978.242	45814.662
		40-44	527596.573	380835.533	146761.041
		45-49	1122524.269	775101.067	347423.202
		50-54	1882214.322	1266720.732	615493.590
		55-59	2595581.943	1722027.087	873554.857
		60-64	2846273.090	1936867.954	909405.136
		65-69	2358758.394	1630292.002	728466.392
70-74		937814.238	659464.242	278349.996	
IHD	Males	30-34	263834.566	106210.512	157624.054
		35-39	692140.150	263689.635	428450.516
		40-44	1519708.432	515782.842	1003925.59
		45-49	2568546.697	783043.848	1785502.85
		50-54	3632929.903	1166082.763	2466847.14
		55-59	2807892.356	988231.335	1819661.02
		60-64	2599825.934	1103216.281	1496609.65
		65-69	1113578.307	553749.570	559828.738
		70-74	437536.271	251935.682	185600.589
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	34585.871	45063.226
		35-39	193965.908	72697.746	121268.161
		40-44	403380.974	131616.005	271764.969
		45-49	671385.408	199312.298	472073.110
		50-54	1011875.989	328425.781	683450.208
		55-59	849875.715	311603.768	538271.947
		60-64	925490.876	405803.107	519687.769
		65-69	455463.881	234158.633	221305.248
70-74		207681.216	121019.055	86662.161	
Stroke	Males	30-34	73463.650	41022.190	32441.460
		35-39	151934.057	81993.775	69940.282
		40-44	262845.974	133341.302	129504.673
		45-49	383421.246	180014.076	203407.170
		50-54	479872.634	201743.209	278129.425
		55-59	437124.903	168945.977	268178.927
		60-64	419457.235	165992.932	253464.302
		65-69	128180.574	53915.472	74265.102
		70-74	53245.965	24668.008	28577.957
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	38541.341	24377.750

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_1.RTF)

		35-39	120806.205	69491.797	51314.409	
		40-44	203391.885	107539.350	95852.535	
		45-49	278172.097	135090.337	143081.760	
		50-54	325979.181	146192.386	179786.795	
		55-59	275161.340	115442.556	159718.784	
		60-64	268920.493	114737.850	154182.643	
		65-69	87956.054	39462.075	48493.978	
		70-74	42055.224	19754.617	22300.607	
		75-79	0.000	0.000	0.000	
COPD	Males	30-34	40547.801	24817.440	15730.361	
		35-39	70214.933	43304.587	26910.346	
		40-44	138408.960	83484.911	54924.049	
		45-49	295573.443	173575.961	121997.482	
		50-54	603979.438	340620.472	263358.966	
		55-59	1086086.992	600402.577	485684.415	
		60-64	1465829.290	867591.240	598238.050	
		65-69	1451838.682	915358.033	536480.649	
		70-74	692979.695	458407.108	234572.587	
		75-79	0.000	0.000	0.000	
		Female	30-34	34659.261	22739.100	11920.161
			35-39	65652.924	42545.659	23107.265
			40-44	133169.505	83965.225	49204.280
			45-49	267988.924	162713.320	105275.604
			50-54	523734.121	309804.505	213929.615
			55-59	870859.170	501625.441	369233.728
			60-64	1166683.329	691044.189	475639.139
			65-69	1190003.066	725392.668	464610.397
			70-74	588541.493	364863.330	223678.164
		75-79	0.000	0.000	0.000	

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

Estimated Loss of Life from the E Component for Run: 6, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	26210724.656	15882823.3
	Female	2039	23817891.273	15574829.838	8243061.43
Lung cancer	Males	2039	18222549.860	14160762.383	4061787.48
	Female	2039	12512468.845	9309175.712	3203293.13
IHD	Males	2039	15635992.616	7028033.022	8607959.59
	Female	2039	4798769.065	2218042.106	2580726.96
Stroke	Males	2039	2389546.238	1210009.542	1179536.70
	Female	2039	1665361.569	890330.258	775031.311
COPD	Males	2039	5845459.234	3811919.709	2033539.53
	Female	2039	4841291.793	3157281.762	1684010.03

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	26316858.136	15776689.8
	Female	2039	23817891.273	15613942.676	8203948.60
Lung cancer	Males	2039	18222549.860	14223851.840	3998698.02
	Female	2039	12512468.845	9333309.802	3179159.04
IHD	Males	2039	15635992.616	7043073.042	8592919.57
	Female	2039	4798769.065	2220481.670	2578287.40
Stroke	Males	2039	2389546.238	1212638.098	1176908.14
	Female	2039	1665361.569	891135.836	774225.733
COPD	Males	2039	5845459.234	3837295.157	2008164.08
	Female	2039	4841291.793	3169015.368	1672276.42

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571662.055	8203.302
		1992	3830683.831	3800221.966	30461.866
		1993	5076567.803	5005225.690	71342.113
		1994	6292145.526	6158185.088	133960.439
		1995	7485537.010	7264037.209	221499.801
		1996	8655955.028	8320933.924	335021.104
		1997	9791729.713	9318371.802	473357.910
		1998	10899134.186	10264028.816	635105.369
		1999	12070409.674	11219416.666	850993.009
		2000	13231384.595	12136623.648	1094760.95
		2001	14371761.018	13005880.108	1365880.91
		2002	15508906.386	13840125.627	1668780.76
		2003	16638100.422	14639374.583	1998725.84
		2004	17736465.088	15392316.267	2344148.82
		2005	18834658.606	16121107.450	2713551.16
		2006	19909100.501	16805686.990	3103413.51
		2007	20958321.463	17453044.979	3505276.48
		2008	22000068.148	18077809.223	3922258.93
		2009	23018816.903	18670842.700	4347974.20
		2010	24018480.537	19233877.419	4784603.12
		2011	25003034.574	19770577.216	5232457.36
		2012	25969871.429	20279613.940	5690257.49
		2013	26920275.180	20763058.834	6157216.35
		2014	27849005.227	21218992.446	6630012.78
		2015	28749620.400	21650265.264	7099355.14
		2016	29622417.562	22048861.897	7573555.66
		2017	30462559.724	22416797.626	8045762.10
		2018	31293299.299	22772854.947	8520444.35
		2019	32109993.427	23112019.164	8997974.26
		2020	32883323.977	23428821.178	9454502.80
		2021	33610102.554	23707558.951	9902543.60
		2022	34322010.448	23971380.126	10350630.3
		2023	35018383.550	24220410.785	10797972.8
		2024	35700177.955	24455907.272	11244270.7
		2025	36315500.346	24668724.085	11646776.3
		2026	36896159.343	24853710.371	12042449.0
		2027	37462570.116	25027798.067	12434772.0
		2028	38015337.780	25190998.580	12824339.2
		2029	38554814.764	25344751.059	13210063.7
		2030	39003805.400	25475568.255	13528237.1
		2031	39436509.703	25590542.166	13845967.5
2032	39858470.458	25698579.027	14159891.4		
2033	40270147.082	25799334.167	14470812.9		
2034	40672665.743	25894469.426	14778196.3		
2035	40962732.664	25965864.479	14996868.2		
2036	41255021.653	26032515.949	15222505.7		
2037	41540573.023	26095542.084	15445030.9		
2038	41820158.066	26154631.499	15665526.6		
2039	42093547.949	26210724.656	15882823.3		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1179764.878	2806.374	
1992		1777346.679	1766706.264	10640.415	
1993		2380261.899	2354745.867	25516.032	
1994		2983130.039	2934200.507	48929.532	
1995		3588982.584	3506861.324	82121.260	
1996		4195430.235	4068278.196	127152.039	
1997		4793866.694	4611873.098	181993.597	
1998		5389747.381	5141985.236	247762.145	
1999		6006722.467	5673796.148	332926.319	
2000		6625758.871	6195639.110	430119.760	
2001		7245135.411	6703748.403	541387.008	
2002		7867492.021	7200314.520	667177.500	
2003		8485051.793	7680371.860	804679.933	
2004		9092994.774	8140447.798	952546.976	
2005		9706032.803	8592095.970	1113936.83	
2006		10311907.548	9025484.463	1286423.09	
2007		10909437.502	9442497.684	1466939.82	
2008		11506462.491	9845396.934	1661065.56	
2009		12098393.287	10235696.038	1862697.25	
2010		12681188.981	10608734.485	2072454.50	

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

		2011	13260062.991	10967621.132	2292441.86
		2012	13839417.441	11315191.812	2524225.63
		2013	14409614.758	11647787.550	2761827.21
		2014	14976658.746	11966260.999	3010397.75
		2015	15529977.821	12268343.098	3261634.72
		2016	16066640.764	12550365.154	3516275.61
		2017	16590035.078	12815924.041	3774111.04
		2018	17098716.137	13068591.769	4030124.37
		2019	17599868.850	13309203.858	4290664.99
		2020	18081346.241	13535500.477	4545845.76
		2021	18537594.460	13740867.669	4796726.79
		2022	18985300.234	13935431.122	5049869.11
		2023	19423958.747	14119588.897	5304369.85
		2024	19853347.772	14293130.465	5560217.31
		2025	20252822.245	14452229.796	5800592.45
		2026	20619307.063	14591279.487	6028027.58
		2027	20976063.406	14721588.638	6254474.77
		2028	21323641.947	14844098.312	6479543.63
		2029	21662117.106	14958636.245	6703480.86
		2030	21960971.694	15059094.792	6901876.90
		2031	22224951.983	15142357.976	7082594.01
		2032	22480397.853	15219712.639	7260685.21
		2033	22728639.455	15292075.152	7436564.30
		2034	22970448.888	15359437.603	7611011.28
		2035	23164154.188	15413389.444	7750764.74
		2036	23334538.616	15457724.153	7876814.46
		2037	23499760.723	15499168.066	8000592.66
		2038	23660308.401	15538100.492	8122207.91
		2039	23817891.273	15574829.838	8243061.43
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177130.246	613.867
		1992	1750034.892	1747720.449	2314.443
		1993	2319752.308	2314119.536	5632.772
		1994	2872597.339	2861686.348	10910.991
		1995	3411494.825	3392946.917	18547.909
		1996	3945569.726	3916280.180	29289.545
		1997	4463316.362	4420208.298	43108.065
		1998	4975301.180	4914659.562	60641.619
		1999	5473691.125	5391597.838	82093.287
		2000	5977500.570	5868646.884	108853.686
		2001	6474795.516	6333944.039	140851.477
		2002	6968769.705	6790055.278	178714.427
		2003	7460282.140	7237121.159	223160.981
		2004	7947048.275	7673042.858	274005.417
		2005	8430571.669	8098883.938	331687.731
		2006	8903945.390	8507967.431	395977.959
		2007	9364177.982	8898004.576	466173.406
		2008	9822525.458	9277876.825	544648.634
		2009	10275228.886	9644649.002	630579.884
		2010	10720275.500	9996984.923	723290.577
		2011	11155356.373	10332978.095	822378.278
		2012	11582611.617	10653529.211	929082.405
		2013	11998803.791	10956942.872	1041860.92
		2014	12402087.090	11242513.587	1159573.50
		2015	12793451.706	11511938.789	1281512.92
		2016	13160101.653	11756160.900	1403940.75
		2017	13503583.414	11977466.169	1526117.25
		2018	13859755.737	12197661.187	1662094.55
		2019	14211625.176	12407336.336	1804288.84
		2020	14553935.288	12604769.331	1949165.96
		2021	14851747.495	12769800.533	2081946.96
		2022	15144531.004	12925621.586	2218909.42
		2023	15431932.496	13072366.565	2359565.93
		2024	15713920.740	13210596.070	2503324.67
		2025	15979112.816	13336911.851	2642200.97
		2026	16206550.153	13439661.543	2766888.61
		2027	16428826.050	13535841.897	2892984.15
		2028	16645902.186	13625672.455	3020229.73
		2029	16858126.517	13709953.803	3148172.71
		2030	17045220.687	13782933.100	3262287.59
		2031	17208482.610	13842624.775	3365857.84
		2032	17367586.074	13898515.062	3469071.01
		2033	17522716.280	13950554.132	3572162.15
		2034	17674226.555	13999514.593	3674711.96
		2035	17792201.734	14037270.448	3754931.29
		2036	17903508.236	14070921.916	3832586.32
		2037	18012162.345	14102711.780	3909450.56
		2038	18118464.470	14132478.936	3985985.53

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

	Female	2039	18222549.860	14160762.383	4061787.48
		1990	307897.357	307897.357	0.000
		1991	616547.418	616153.276	394.142
		1992	931086.773	929526.178	1560.596
		1993	1246155.671	1242314.314	3841.357
		1994	1561212.934	1553652.347	7560.588
		1995	1879967.742	1866806.255	13161.487
		1996	2197488.109	2176579.461	20908.648
		1997	2515698.453	2484500.411	31198.042
		1998	2836249.556	2791904.243	44345.313
		1999	3150201.390	3089870.175	60331.214
		2000	3472722.342	3392598.485	80123.857
		2001	3796994.889	3692976.647	104018.243
		2002	4126619.935	3993925.203	132694.732
		2003	4454982.533	4289217.606	165764.928
		2004	4784343.030	4580376.163	203966.867
		2005	5113443.121	4866103.056	247340.064
		2006	5442543.963	5145883.100	296660.863
		2007	5772441.497	5420450.766	351990.731
		2008	6091911.943	5680359.180	411552.763
		2009	6413671.330	5935531.248	478140.082
		2010	6730763.530	6181074.196	549689.334
		2011	7043614.101	6416796.016	626818.085
		2012	7356270.780	6645769.571	710501.209
		2013	7662551.964	6863610.139	798941.824
		2014	7964551.465	7071983.535	892567.929
		2015	8254895.403	7266968.624	987926.779
		2016	8530661.848	7445960.119	1084701.73
		2017	8795826.122	7612560.940	1183265.18
		2018	9067233.707	7776419.891	1290813.82
		2019	9335343.270	7932246.727	1403096.54
		2020	9596110.883	8079014.479	1517096.40
		2021	9833186.859	8208198.053	1624988.81
		2022	10066452.037	8330280.552	1736171.48
		2023	10295503.609	8445513.856	1849989.75
		2024	10520125.318	8553785.634	1966339.68
		2025	10731915.863	8652956.523	2078959.34
		2026	10917495.549	8736613.954	2180881.59
		2027	11098620.885	8814770.136	2283850.75
		2028	11275441.234	8888042.519	2387398.71
		2029	11447962.710	8956353.686	2491609.02
		2030	11601867.623	9016019.879	2585847.74
		2031	11731666.516	9063819.098	2667847.42
		2032	11857585.969	9108189.388	2749396.58
		2033	11980128.625	9149651.122	2830477.50
		2034	12099562.464	9188237.991	2911324.47
		2035	12195919.946	9218829.145	2977090.80
		2036	12278201.969	9243536.871	3034665.10
		2037	12358146.336	9266711.139	3091435.20
		2038	12435978.633	9288533.276	3147445.36
		2039	12512468.845	9309175.712	3203293.13
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012504.275	6715.119
		1992	1509598.614	1484695.548	24903.066
		1993	1992735.299	1934801.483	57933.816
		1994	2462877.575	2354930.401	107947.174
		1995	2928249.390	2750866.331	177383.059
		1996	3377377.730	3111118.713	266259.016
		1997	3809062.472	3435838.291	373224.181
		1998	4222213.867	3725743.773	496470.094
		1999	4708317.743	4042090.068	666227.675
		2000	5182084.396	4327974.984	854109.413
		2001	5644097.705	4583775.801	1060321.90
		2002	6107232.129	4818941.745	1288290.38
		2003	6561785.704	5030194.158	1531591.55
		2004	6996156.348	5215485.635	1780670.71
		2005	7426261.361	5384390.374	2041870.99
		2006	7849012.694	5535918.906	2313093.79
		2007	8255300.530	5669897.601	2585402.93
		2008	8650662.040	5790427.893	2860234.15
		2009	9030818.513	5898072.200	3132746.31
		2010	9403026.327	5996201.821	3406824.51
		2011	9767535.506	6085698.048	3681837.46
		2012	10123044.281	6167576.040	3955468.24
		2013	10470104.786	6242603.487	4227501.30
		2014	10807756.112	6311617.952	4496138.16
		2015	11130681.425	6374419.340	4756262.09
		2016	11448966.506	6433221.184	5015745.32

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

		2017	11758164.882	6487885.716	5270279.17
		2018	12054448.241	6537707.291	5516740.95
		2019	12341606.261	6584343.766	5757262.49
		2020	12600728.939	6625081.762	5975647.18
		2021	12861767.105	6664768.037	6196999.07
		2022	13114168.616	6702069.270	6412099.35
		2023	13357894.797	6737007.843	6620886.95
		2024	13593848.521	6770133.558	6823714.96
		2025	13789177.359	6797040.552	6992136.81
		2026	13993401.656	6824666.351	7168735.30
		2027	14190519.224	6851020.010	7339499.21
		2028	14381193.356	6875831.952	7505361.40
		2029	14565171.927	6899450.248	7665721.68
		2030	14697381.605	6916225.162	7781156.44
		2031	14842203.512	6934512.645	7907690.87
		2032	14982485.826	6952030.755	8030455.07
		2033	15118410.647	6968455.691	8149954.96
		2034	15250284.398	6984288.454	8265995.94
		2035	15322911.166	6992710.776	8330200.39
		2036	15405115.031	7002153.039	8402961.99
		2037	15484709.137	7011253.427	8473455.71
		2038	15561812.193	7019846.925	8541965.27
		2039	15635992.616	7028033.022	8607959.59
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293357.101	1765.361
		1992	439962.920	433361.185	6601.735
		1993	584735.615	569095.816	15639.800
		1994	727640.783	698092.092	29548.691
		1995	868486.937	819695.979	48790.959
		1996	1010321.847	935520.278	74801.569
		1997	1144230.930	1039069.912	105161.018
		1998	1274513.622	1133696.253	140817.368
		1999	1426725.938	1237187.422	189538.516
		2000	1573462.680	1330466.744	242995.936
		2001	1719132.015	1415559.807	303572.208
		2002	1863006.732	1492798.479	370208.252
		2003	2002943.227	1561831.832	441111.395
		2004	2137798.705	1622924.497	514874.208
		2005	2271071.245	1678701.747	592369.498
		2006	2400707.731	1728230.858	672476.873
		2007	2523634.512	1771542.759	752091.754
		2008	2648752.232	1812116.326	836635.906
		2009	2765973.961	1847512.266	918461.695
		2010	2881329.235	1879955.992	1001373.24
		2011	2994972.694	1909635.125	1085337.57
		2012	3108958.829	1937352.199	1171606.63
		2013	3218140.416	1962504.476	1255635.94
		2014	3328387.914	1986388.863	1341999.05
		2015	3435342.796	2008530.077	1426812.72
		2016	3539189.408	2028965.883	1510223.53
		2017	3640041.363	2047870.703	1592170.66
		2018	3732645.362	2064454.816	1668190.55
		2019	3821421.978	2079708.807	1741713.17
		2020	3902115.950	2093090.377	1809025.57
		2021	3984301.053	2106242.200	1878058.85
		2022	4062629.299	2118364.186	1944265.11
		2023	4137348.729	2129630.151	2007718.58
		2024	4208611.493	2140075.978	2068535.52
		2025	4269419.492	2148812.137	2120607.35
		2026	4330969.998	2157454.487	2173515.51
		2027	4389134.306	2165475.923	2223658.38
		2028	4444222.970	2172969.237	2271253.73
		2029	4496447.877	2179980.849	2316467.03
		2030	4536975.698	2185278.023	2351697.67
		2031	4578338.586	2190644.771	2387693.81
		2032	4617397.784	2195688.006	2421709.78
		2033	4654407.697	2200455.691	2453952.01
		2034	4689913.454	2204978.911	2484934.54
		2035	4712518.190	2207705.932	2504812.26
		2036	4735845.827	2210494.736	2525351.09
		2037	4757958.806	2213133.612	2544825.19
		2038	4778813.806	2215643.634	2563170.17
		2039	4798769.065	2218042.106	2580726.96
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148781.303	681.714
		1992	222966.278	220433.646	2532.633
		1993	296801.879	290772.884	6028.995
		1994	372453.706	360784.205	11669.501

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

	1995	448401.338	428681.785	19719.553
	1996	523536.301	493210.820	30325.481
	1997	596763.211	553288.510	43474.701
	1998	667546.681	608548.942	58997.739
	1999	734925.407	658425.167	76500.240
	2000	803749.361	706603.128	97146.233
	2001	870081.588	750206.341	119875.247
	2002	935347.140	790466.729	144880.411
	2003	1001627.349	828550.022	173077.327
	2004	1066587.976	863429.243	203158.733
	2005	1130548.052	895370.655	235177.396
	2006	1195132.454	925286.506	269845.948
	2007	1258974.043	952735.211	306238.832
	2008	1320124.867	977058.847	343066.020
	2009	1380776.123	999480.251	381295.872
	2010	1440048.533	1019898.622	420149.911
	2011	1497484.847	1038351.085	459133.762
	2012	1554496.526	1055327.105	499169.421
	2013	1610819.598	1070974.262	539845.336
	2014	1667484.890	1085630.830	581854.060
	2015	1720948.287	1098702.602	622245.685
	2016	1775699.228	1111241.842	664457.387
	2017	1830250.175	1123010.708	707239.466
	2018	1875958.950	1132350.431	743608.519
	2019	1920359.232	1140965.126	779394.106
	2020	1960605.297	1148445.173	812160.124
	2021	1998912.887	1155222.532	843690.355
	2022	2036003.696	1161482.653	874521.043
	2023	2071857.536	1167272.295	904585.241
	2024	2106636.468	1172690.861	933945.608
	2025	2136450.873	1177194.213	959256.661
	2026	2164796.470	1181326.953	983469.517
	2027	2192079.608	1185204.166	1006875.44
	2028	2218404.367	1188816.350	1029588.02
	2029	2243769.140	1192218.294	1051550.85
	2030	2263570.213	1194814.404	1068755.81
	2031	2282521.590	1197251.813	1085269.78
	2032	2300804.945	1199555.559	1101249.39
	2033	2318464.018	1201717.250	1116746.77
	2034	2335611.973	1203786.717	1131825.26
	2035	2347097.290	1205148.186	1141949.10
	2036	2358248.747	1206450.684	1151798.06
	2037	2369033.655	1207701.781	1161331.87
	2038	2379490.114	1208885.471	1170604.64
	2039	2389546.238	1210009.542	1179536.70
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110384.220	487.642
	1992	165654.454	163782.349	1872.106
	1993	220008.519	215537.564	4470.956
	1994	275706.807	267020.248	8686.559
	1995	331417.547	316762.772	14654.775
	1996	387580.161	364898.330	22681.831
	1997	442778.242	410138.320	32639.921
	1998	496117.305	451800.966	44316.338
	1999	548268.214	490471.560	57796.655
	2000	601693.202	528014.507	73678.694
	2001	652221.103	561480.751	90740.351
	2002	703022.600	593038.853	109983.747
	2003	752023.351	621537.228	130486.123
	2004	799826.733	647471.852	152354.881
	2005	847563.928	671660.556	175903.372
	2006	894205.027	693658.844	200546.183
	2007	939571.282	713541.880	226029.402
	2008	983437.578	731447.021	251990.557
	2009	1025803.786	747563.127	278240.659
	2010	1066964.934	762119.563	304845.371
	2011	1106954.044	775279.421	331674.623
	2012	1146108.461	787316.305	358792.156
	2013	1183544.689	798106.264	385438.425
	2014	1221220.945	808253.962	412966.984
	2015	1258289.311	817711.844	440577.468
	2016	1294830.207	826485.143	468345.064
	2017	1330332.626	834529.065	495803.561
	2018	1360571.987	841035.133	519536.855
	2019	1389848.723	846990.402	542858.320
	2020	1416046.192	852098.858	563947.334
	2021	1440588.850	856656.545	583932.304
	2022	1464157.934	860838.011	603319.923

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

COPD	Males	2023	1486810.237	864708.481	622101.757
		2024	1508591.729	868278.981	640312.749
		2025	1526875.621	871192.685	655682.936
		2026	1543659.810	873774.767	669885.042
		2027	1559623.774	876161.494	683462.281
		2028	1574852.850	878382.940	696469.911
		2029	1589437.452	880454.994	708982.458
		2030	1600568.199	881990.030	718578.170
		2031	1610776.297	883374.951	727401.345
		2032	1620483.563	884674.239	735809.324
		2033	1629745.442	885899.959	743845.483
		2034	1638721.425	887062.175	751659.250
		2035	1644649.404	887799.847	756849.558
		2036	1650181.590	888477.615	761703.975
		2037	1655476.066	889122.199	766353.867
		2038	1660507.914	889738.623	770769.291
		2039	1665361.569	890330.258	775031.311
		1990	117002.906	117002.906	0.000
		1991	233438.833	233246.232	192.601
		1992	348084.047	347372.323	711.724
		1993	467278.318	465531.788	1746.530
		1994	584216.907	580784.135	3432.772
		1995	697391.457	691542.177	5849.280
		1996	809471.271	800324.210	9147.061
		1997	922587.668	909036.703	13550.964
		1998	1034072.457	1015076.539	18995.917
		1999	1153475.399	1127303.593	26171.807
		2000	1268050.268	1233398.653	34651.615
		2001	1382786.209	1337953.927	44832.283
		2002	1497557.412	1440661.875	56895.537
		2003	1614405.229	1543509.244	70895.985
		2004	1726672.489	1640358.531	86313.958
		2005	1847277.524	1742462.482	104815.043
		2006	1961009.963	1836514.147	124495.816
		2007	2079868.908	1932407.591	147461.317
		2008	2206755.783	2032445.658	174310.125
		2009	2331993.380	2128641.247	203352.133
		2010	2455130.176	2220792.053	234338.123
		2011	2582657.849	2313549.988	269107.861
		2012	2709719.005	2403181.584	306537.421
2013	2840547.005	2492538.213	348008.793		
2014	2971677.135	2579230.077	392447.058		
2015	3104538.983	2665204.533	439334.449		
2016	3237650.175	2748237.972	489412.203		
2017	3370561.253	2828435.033	542126.219		
2018	3503136.371	2905136.039	598000.333		
2019	3636402.758	2979373.936	657028.822		
2020	3768054.453	3050524.912	717529.541		
2021	3897675.067	3117767.849	779907.218		
2022	4027307.132	3182206.618	845100.514		
2023	4156698.720	3243764.083	912934.637		
2024	4285772.226	3302486.783	983285.442		
2025	4410759.298	3357577.470	1053181.83		
2026	4531411.064	3408055.524	1123355.54		
2027	4651145.233	3455731.995	1195413.24		
2028	4769837.872	3500677.823	1269160.05		
2029	4887747.179	3543128.713	1344618.47		
2030	4997632.895	3581595.590	1416037.31		
2031	5103301.991	3616152.933	1487149.06		
2032	5207593.613	3648477.651	1559115.96		
2033	5310556.138	3678607.095	1631949.04		
2034	5412542.816	3706879.662	1705663.15		
2035	5500522.473	3730735.069	1769787.40		
2036	5588149.640	3752990.310	1835159.33		
2037	5674667.886	3773875.095	1900792.79		
2038	5760391.289	3793420.167	1966971.12		
2039	5845459.234	3811919.709	2033539.53		
1990	77434.846	77434.846	0.000		
1991	160029.510	159870.281	159.229		
1992	240642.531	240036.553	605.978		
1993	329362.093	327798.174	1563.919		
1994	418569.515	415435.821	3133.694		
1995	509110.357	503596.319	5514.039		
1996	600040.117	591280.126	8759.991		
1997	691159.071	678164.454	12994.616		
1998	782866.899	764583.773	18283.125		
1999	881526.925	856266.991	25259.934		
2000	977880.647	944559.374	33321.273		

Female

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

2001	1076787.404	1033731.198	43056.206
2002	1174842.754	1120551.984	54290.769
2003	1275102.681	1207785.195	67317.486
2004	1371026.306	1289675.285	81351.020
2005	1473954.509	1375630.610	98323.899
2006	1574450.828	1457711.661	116739.167
2007	1673790.211	1536962.280	136827.931
2008	1782360.738	1621474.407	160886.330
2009	1892944.209	1705089.397	187854.812
2010	2002131.282	1785584.734	216546.548
2011	2114522.152	1865910.570	248611.583
2012	2228079.372	1944753.737	283325.635
2013	2345377.689	2023566.671	321811.018
2014	2462498.422	2099634.639	362863.783
2015	2581450.312	2175132.553	406317.758
2016	2701959.301	2248954.009	453005.292
2017	2823834.967	2320963.333	502871.634
2018	2938265.081	2386681.929	551583.152
2019	3053254.880	2450257.922	602996.958
2020	3167073.216	2511296.763	655776.452
2021	3279517.699	2569770.871	709746.829
2022	3392060.964	2625948.373	766112.591
2023	3504296.171	2679736.409	824559.762
2024	3616019.231	2730989.872	885029.359
2025	3724611.269	2779268.451	945342.819
2026	3827181.707	2823436.279	1003745.43
2027	3928684.441	2865181.084	1063503.36
2028	4029124.892	2904703.616	1124421.28
2029	4128269.068	2941846.715	1186422.35
2030	4221560.174	2975806.861	1245753.31
2031	4304170.584	3004519.156	1299651.43
2032	4384930.537	3031161.006	1353769.53
2033	4464357.691	3056068.380	1408289.31
2034	4542251.545	3079158.525	1463093.02
2035	4611066.648	3099054.520	1512012.13
2036	4670309.230	3115214.931	1555094.30
2037	4728179.514	3130201.116	1597978.40
2038	4785008.048	3144184.960	1640823.09
2039	4841291.793	3157281.762	1684010.03

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571662.055	8203.302
		1992	3830683.831	3800233.296	30450.535
		1993	5076567.803	5005277.141	71290.662
		1994	6292145.526	6158326.919	133818.607
		1995	7485537.010	7264342.229	221194.780
		1996	8655955.028	8321497.512	334457.516
		1997	9791729.713	9319307.060	472422.652
		1998	10899134.186	10265465.164	633669.021
		1999	12070409.674	11221535.802	848873.873
		2000	13231384.595	12139620.132	1091764.46
		2001	14371761.018	13009946.719	1361814.30
		2002	15508906.386	13845476.209	1663430.18
		2003	16638100.422	14646227.482	1991872.94
		2004	17736465.088	15400868.204	2335596.88
		2005	18834658.606	16131596.011	2703062.60
		2006	19909100.501	16818286.806	3090813.69
		2007	20958321.463	17467940.776	3490380.69
		2008	22000068.148	18095225.979	3904842.17
		2009	23018816.903	18690955.163	4327861.74
		2010	24018480.537	19256850.534	4761630.00
		2011	25003034.574	19796575.087	5206459.49
		2012	25969871.429	20308764.696	5661106.73
		2013	26920275.180	20795493.139	6124782.04
		2014	27849005.227	21254806.909	6594198.32
		2015	28749620.400	21689582.991	7060037.41
		2016	29622417.562	22091681.696	7530735.87
		2017	30462559.724	22463110.864	7999448.86
		2018	31293299.299	22822777.883	8470521.42
		2019	32109993.427	23165615.910	8944377.52
		2020	32883323.977	23486139.354	9397184.62
		2021	33610102.554	23768334.862	9841767.69
		2022	34322010.448	24035615.854	10286394.6
		2023	35018383.550	24288096.913	10730286.6
		2024	35700177.955	24527029.499	11173148.5
		2025	36315500.346	24743228.035	11572272.3
		2026	36896159.343	24931242.647	11964916.7
		2027	37462570.116	25108305.096	12354265.0
		2028	38015337.780	25274417.945	12740919.8
		2029	38554814.764	25431021.011	13123793.8
		2030	39003805.400	25564515.823	13439289.6
2031	39436509.703	25681860.133	13754649.6		
2032	39858470.458	25792190.605	14066279.9		
2033	40270147.082	25895151.968	14374995.1		
2034	40672665.743	25992428.077	14680237.7		
2035	40962732.664	26065629.448	14897103.2		
2036	41255021.653	26133957.915	15121063.7		
2037	41540573.023	26198606.969	15341966.1		
2038	41820158.066	26259256.378	15560901.7		
2039	42093547.949	26316858.136	15776689.8		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1179764.878	2806.374	
1992		1777346.679	1766708.185	10638.494	
1993		2380261.899	2354755.212	25506.687	
1994		2983130.039	2934227.743	48902.296	
1995		3588982.584	3506922.664	82059.920	
1996		4195430.235	4068396.139	127034.096	
1997		4793866.694	4612076.337	181790.357	
1998		5389747.381	5142309.386	247437.995	
1999		6006722.467	5674286.560	332435.907	
2000		6625758.871	6196349.584	429409.286	
2001		7245135.411	6704735.016	540400.395	
2002		7867492.021	7201638.786	665853.234	
2003		8485051.793	7682100.186	802951.606	
2004		9092994.774	8142642.519	950352.255	
2005		9706032.803	8594830.465	1111202.34	
2006		10311907.548	9028823.368	1283084.18	
2007		10909437.502	9446509.976	1462927.53	
2008		11506462.491	9850155.259	1656307.23	
2009		12098393.287	10241271.875	1857121.41	
2010		12681188.981	10615189.666	2065999.31	

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

		2011	13260062.991	10975020.076	2285042.92
		2012	13839417.441	11323604.974	2515812.47
		2013	14409614.758	11657274.555	2752340.20
		2014	14976658.746	11976878.831	2999779.91
		2015	15529977.821	12280147.898	3249829.92
		2016	16066640.764	12563383.847	3503256.92
		2017	16590035.078	12830195.879	3759839.20
		2018	17098716.137	13084157.849	4014558.29
		2019	17599868.850	13326102.582	4273766.27
		2020	18081346.241	13553766.036	4527580.20
		2021	18537594.460	13760486.550	4777107.91
		2022	18985300.234	13956424.524	5028875.71
		2023	19423958.747	14141972.520	5281986.23
		2024	19853347.772	14316910.159	5536437.61
		2025	20252822.245	14477405.309	5775416.94
		2026	20619307.063	14617766.345	6001540.72
		2027	20976063.406	14749374.826	6226688.58
		2028	21323641.947	14873172.895	6450469.05
		2029	21662117.106	14988977.680	6673139.43
		2030	21960971.694	15090662.094	6870309.60
		2031	22224951.983	15174985.973	7049966.01
		2032	22480397.853	15253362.993	7227034.86
		2033	22728639.455	15326718.074	7401921.38
		2034	22970448.888	15395034.417	7575414.47
		2035	23164154.188	15449850.782	7714303.41
		2036	23334538.616	15494896.375	7839642.24
		2037	23499760.723	15537016.386	7962744.34
		2038	23660308.401	15576594.998	8083713.40
		2039	23817891.273	15613942.676	8203948.60
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177130.246	613.867
		1992	1750034.892	1747725.934	2308.958
		1993	2319752.308	2314144.529	5607.778
		1994	2872597.339	2861755.774	10841.565
		1995	3411494.825	3393097.534	18397.291
		1996	3945569.726	3916562.826	29006.899
		1997	4463316.362	4420684.572	42631.790
		1998	4975301.180	4915405.637	59895.543
		1999	5473691.125	5392695.268	80995.857
		2000	5977500.570	5870212.978	107287.592
		2001	6474795.516	6336098.948	138696.568
		2002	6968769.705	6792932.406	175837.299
		2003	7460282.140	7240861.502	219420.638
		2004	7947048.275	7677793.520	269254.756
		2005	8430571.669	8104794.826	325776.843
		2006	8903945.390	8515174.264	388771.126
		2007	9364177.982	8906632.939	457545.043
		2008	9822525.458	9288075.672	534449.787
		2009	10275228.886	9656555.853	618673.033
		2010	10720275.500	10010727.250	709548.250
		2011	11155356.373	10348664.143	806692.231
		2012	11582611.617	10671252.126	911359.491
		2013	11998803.791	10976779.897	1022023.89
		2014	12402087.090	11264526.552	1137560.54
		2015	12793451.706	11536192.075	1257259.63
		2016	13160101.653	11782616.841	1377484.81
		2017	13503583.414	12006081.859	1497501.56
		2018	13859755.737	12228574.453	1631181.28
		2019	14211625.176	12440588.412	1771036.76
		2020	14553935.288	12640391.260	1913544.03
		2021	14851747.495	12807530.661	2044216.83
		2022	15144531.004	12965458.041	2179072.96
		2023	15431932.496	13114299.033	2317633.46
		2024	15713920.740	13254609.022	2459311.72
		2025	15979112.816	13382972.152	2596140.66
		2026	16206550.153	13487446.485	2719103.67
		2027	16428826.050	13585313.111	2843512.94
		2028	16645902.186	13676788.214	2969113.97
		2029	16858126.517	13762673.426	3095453.09
		2030	17045220.687	13837167.327	3208053.36
		2031	17208482.610	13898105.376	3310377.23
		2032	17367586.074	13955197.746	3412388.33
		2033	17522716.280	14008390.720	3514325.56
		2034	17674226.555	14058467.040	3615759.51
		2035	17792201.734	14097179.433	3695022.30
		2036	17903508.236	14131669.466	3771838.77
		2037	18012162.345	14164269.932	3847892.41
		2038	18118464.470	14194815.295	3923649.18

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

		2039	18222549.860	14223851.840	3998698.02
	Female	1990	307897.357	307897.357	0.000
		1991	616547.418	616153.276	394.142
		1992	931086.773	929527.233	1559.540
		1993	1246155.671	1242319.434	3836.237
		1994	1561212.934	1553667.375	7545.560
		1995	1879967.742	1866840.492	13127.250
		1996	2197488.109	2176645.834	20842.275
		1997	2515698.453	2484616.196	31082.256
		1998	2836249.556	2792091.535	44158.021
		1999	3150201.390	3090152.098	60049.292
		2000	3472722.342	3393010.010	79712.332
		2001	3796994.889	3693553.319	103441.570
		2002	4126619.935	3994709.121	131910.815
		2003	4454982.533	4290253.098	164729.435
		2004	4784343.030	4581709.863	202633.167
		2005	5113443.121	4867781.330	245661.791
		2006	5442543.963	5147955.056	294588.906
		2007	5772441.497	5422969.786	349471.710
		2008	6091911.943	5683363.112	408548.830
		2009	6413671.330	5939073.156	474598.174
		2010	6730763.530	6185199.242	545564.288
		2011	7043614.101	6421545.812	622068.289
		2012	7356270.780	6651193.388	705077.392
		2013	7662551.964	6869743.049	792808.915
		2014	7964551.465	7078864.398	885687.067
		2015	8254895.403	7274622.336	980273.066
		2016	8530661.848	7454391.713	1076270.13
		2017	8795826.122	7621786.769	1174039.35
		2018	9067233.707	7786487.286	1280746.42
		2019	9335343.270	7943178.899	1392164.37
		2020	9596110.883	8090831.643	1505279.24
		2021	9833186.859	8220867.021	1612319.84
		2022	10066452.037	8343811.933	1722640.10
		2023	10295503.609	8459914.511	1835589.10
		2024	10520125.318	8569056.137	1951069.18
		2025	10731915.863	8669093.415	2062822.45
		2026	10917495.549	8753536.263	2163959.29
		2027	11098620.885	8832467.296	2266153.59
		2028	11275441.234	8906505.054	2368936.18
		2029	11447962.710	8975565.761	2472396.95
		2030	11601867.623	9035953.953	2565913.67
		2031	11731666.516	9084354.064	2647312.45
		2032	11857585.969	9129302.090	2728283.88
		2033	11980128.625	9171323.294	2808805.33
		2034	12099562.464	9210446.996	2889115.47
		2035	12195919.946	9241521.594	2954398.35
		2036	12278201.969	9266614.736	3011587.23
		2037	12358146.336	9290156.333	3067990.00
		2038	12435978.633	9312330.075	3123648.56
		2039	12512468.845	9333309.802	3179159.04
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012504.275	6715.119
		1992	1509598.614	1484699.716	24898.898
		1993	1992735.299	1934820.127	57915.172
		1994	2462877.575	2354980.857	107896.718
		1995	2928249.390	2750973.200	177276.190
		1996	3377377.730	3111310.751	266066.978
		1997	3809062.472	3436147.158	372915.313
		1998	4222213.867	3726200.484	496013.383
		1999	4708317.743	4042763.793	665553.950
		2000	5182084.396	4328911.981	853172.415
		2001	5644097.705	4585014.121	1059083.58
		2002	6107232.129	4820524.114	1286708.01
		2003	6561785.704	5032151.897	1529633.81
		2004	6996156.348	5217835.957	1778320.39
		2005	7426261.361	5387160.243	2039101.12
		2006	7849012.694	5539121.400	2309891.29
		2007	8255300.530	5673536.755	2581763.77
		2008	8650662.040	5794512.174	2856149.87
		2009	9030818.513	5902601.284	3128217.23
		2010	9403026.327	6001178.313	3401848.01
		2011	9767535.506	6091121.766	3676413.74
		2012	10123044.281	6173447.173	3949597.11
		2013	10470104.786	6248919.949	4221184.84
		2014	10807756.112	6318377.070	4489379.04
		2015	11130681.425	6381619.643	4749061.78
		2016	11448966.506	6440863.911	5008102.60

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

		2017	11758164.882	6495968.231	5262196.65
		2018	12054448.241	6546198.200	5508250.04
		2019	12341606.261	6593237.364	5748368.90
		2020	12600728.939	6634369.104	5966359.83
		2021	12861767.105	6674444.116	6187322.99
		2022	13114168.616	6712125.633	6402042.98
		2023	13357894.797	6747436.984	6610457.81
		2024	13593848.521	6780931.072	6812917.45
		2025	13789177.359	6808186.107	6980991.25
		2026	13993401.656	6836167.857	7157233.80
		2027	14190519.224	6862872.830	7327646.39
		2028	14381193.356	6888028.456	7493164.90
		2029	14565171.927	6911983.677	7653188.25
		2030	14697381.605	6929044.621	7768336.98
		2031	14842203.512	6947642.597	7894560.92
		2032	14982485.826	6965465.745	8017020.08
		2033	15118410.647	6982185.736	8136224.91
		2034	15250284.398	6998310.356	8251974.04
		2035	15322911.166	7006922.302	8315988.86
		2036	15405115.031	7016577.565	8388537.47
		2037	15484709.137	7025888.730	8458820.41
		2038	15561812.193	7034687.244	8527124.95
		2039	15635992.616	7043073.042	8592919.57
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293357.101	1765.361
		1992	439962.920	433361.629	6601.291
		1993	584735.615	569097.913	15637.702
		1994	727640.783	698098.037	29542.746
		1995	868486.937	819708.947	48777.990
		1996	1010321.847	935544.527	74777.321
		1997	1144230.930	1039109.988	105120.942
		1998	1274513.622	1133757.238	140756.384
		1999	1426725.938	1237279.891	189446.047
		2000	1573462.680	1330597.494	242865.186
		2001	1719132.015	1415735.139	303396.876
		2002	1863006.732	1493024.134	369982.598
		2003	2002943.227	1562112.416	440830.811
		2004	2137798.705	1623263.304	514535.401
		2005	2271071.245	1679103.224	591968.021
		2006	2400707.731	1728696.412	672011.319
		2007	2523634.512	1772072.551	751561.961
		2008	2648752.232	1812713.734	836038.498
		2009	2765973.961	1848176.264	917797.697
		2010	2881329.235	1880687.860	1000641.37
		2011	2994972.694	1910435.583	1084537.11
		2012	3108958.829	1938222.231	1170736.60
		2013	3218140.416	1963443.837	1254696.58
		2014	3328387.914	1987399.395	1340988.52
		2015	3435342.796	2009613.883	1425728.91
		2016	3539189.408	2030123.408	1509066.00
		2017	3640041.363	2049101.941	1590939.42
		2018	3732645.362	2065754.926	1666890.44
		2019	3821421.978	2081076.578	1740345.40
		2020	3902115.950	2094524.368	1807591.58
		2021	3984301.053	2107745.164	1876555.89
		2022	4062629.299	2119934.437	1942694.86
		2023	4137348.729	2131266.532	2006082.20
		2024	4208611.493	2141776.783	2066834.71
		2025	4269419.492	2150574.787	2118844.71
		2026	4330969.998	2159280.628	2171689.37
		2027	4389134.306	2167363.270	2221771.04
		2028	4444222.970	2174915.923	2269307.05
		2029	4496447.877	2181984.971	2314462.91
		2030	4536975.698	2187333.821	2349641.88
		2031	4578338.586	2192753.884	2385584.70
		2032	4617397.784	2197848.296	2419549.49
		2033	4654407.697	2202665.585	2451742.11
		2034	4689913.454	2207236.850	2482676.60
		2035	4712518.190	2210000.888	2502517.30
		2036	4735845.827	2212827.889	2523017.94
		2037	4757958.806	2215503.451	2542455.36
		2038	4778813.806	2218048.881	2560764.93
		2039	4798769.065	2220481.670	2578287.40
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148781.303	681.714
		1992	222966.278	220434.232	2532.046
		1993	296801.879	290775.566	6026.312
		1994	372453.706	360791.776	11661.929

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

	1995	448401.338	428698.228	19703.110
	1996	523536.301	493241.277	30295.024
	1997	596763.211	553338.701	43424.510
	1998	667546.681	608624.815	58921.866
	1999	734925.407	658532.254	76393.153
	2000	803749.361	706750.749	96998.612
	2001	870081.588	750400.711	119680.877
	2002	935347.140	790715.400	144631.740
	2003	1001627.349	828860.301	172767.048
	2004	1066587.976	863807.384	202780.591
	2005	1130548.052	895821.922	234726.130
	2006	1195132.454	925816.969	269315.485
	2007	1258974.043	953348.695	305625.348
	2008	1320124.867	977755.236	342369.631
	2009	1380776.123	1000262.375	380513.749
	2010	1440048.533	1020767.718	419280.815
	2011	1497484.847	1039307.791	458177.055
	2012	1554496.526	1056371.032	498125.494
	2013	1610819.598	1072106.520	538713.078
	2014	1667484.890	1086851.624	580633.266
	2015	1720948.287	1100011.737	620936.550
	2016	1775699.228	1112641.045	663058.183
	2017	1830250.175	1124500.388	705749.787
	2018	1875958.950	1133918.512	742040.438
	2019	1920359.232	1142609.631	777749.601
	2020	1960605.297	1150163.777	810441.520
	2021	1998912.887	1157011.505	841901.382
	2022	2036003.696	1163339.544	872664.152
	2023	2071857.536	1169195.015	902662.522
	2024	2106636.468	1174677.836	931958.633
	2025	2136450.873	1179241.932	957208.941
	2026	2164796.470	1183432.140	981364.330
	2027	2192079.608	1187365.170	1004714.44
	2028	2218404.367	1191031.273	1027373.09
	2029	2243769.140	1194485.434	1049283.71
	2030	2263570.213	1197127.402	1066442.81
	2031	2282521.590	1199608.826	1082912.76
	2032	2300804.945	1201955.204	1098849.74
	2033	2318464.018	1204158.093	1114305.92
	2034	2335611.973	1206268.035	1129343.94
	2035	2347097.290	1207660.307	1139436.98
	2036	2358248.747	1208992.823	1149255.92
	2037	2369033.655	1210273.524	1158760.13
	2038	2379490.114	1211486.045	1168004.07
	2039	2389546.238	1212638.098	1176908.14
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110384.220	487.642
	1992	165654.454	163782.492	1871.963
	1993	220008.519	215538.239	4470.281
	1994	275706.807	267022.178	8684.628
	1995	331417.547	316767.048	14650.500
	1996	387580.161	364906.411	22673.750
	1997	442778.242	410151.898	32626.344
	1998	496117.305	451821.888	44295.417
	1999	548268.214	490501.780	57766.434
	2000	601693.202	528056.781	73636.420
	2001	652221.103	561536.869	90684.233
	2002	703022.600	593111.133	109911.467
	2003	752023.351	621627.470	130395.881
	2004	799826.733	647581.682	152245.050
	2005	847563.928	671791.785	175772.144
	2006	894205.027	693813.057	200391.970
	2007	939571.282	713719.998	225851.284
	2008	983437.578	731649.720	251787.858
	2009	1025803.786	747790.968	278012.818
	2010	1066964.934	762372.867	304592.067
	2011	1106954.044	775558.537	331395.508
	2012	1146108.461	787621.477	358486.984
	2013	1183544.689	798437.362	385107.328
	2014	1221220.945	808611.826	412609.119
	2015	1258289.311	818097.672	440191.639
	2016	1294830.207	826899.190	467931.017
	2017	1330332.626	834971.507	495361.119
	2018	1360571.987	841502.660	519069.327
	2019	1389848.723	847482.532	542366.190
	2020	1416046.192	852614.966	563431.227
	2021	1440588.850	857195.638	583393.212
	2022	1464157.934	861399.427	602758.508

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

		2023	1486810.237	865291.764	621518.473
		2024	1508591.729	868883.466	639708.263
		2025	1526875.621	871817.314	655058.307
		2026	1543659.810	874418.010	669241.799
		2027	1559623.774	876822.571	682801.203
		2028	1574852.850	879061.231	695791.620
		2029	1589437.452	881149.880	708287.572
		2030	1600568.199	882699.683	717868.516
		2031	1610776.297	884098.250	726678.047
		2032	1620483.563	885410.631	735072.932
		2033	1629745.442	886649.029	743096.413
		2034	1638721.425	887823.541	750897.884
		2035	1644649.404	888570.930	756078.474
		2036	1650181.590	889257.732	760923.857
		2037	1655476.066	889911.042	765565.025
		2038	1660507.914	890535.942	769971.971
		2039	1665361.569	891135.836	774225.733
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233246.232	192.601
		1992	348084.047	347373.414	710.633
		1993	467278.318	465536.918	1741.400
		1994	584216.907	580798.512	3418.395
		1995	697391.457	691573.267	5818.190
		1996	809471.271	800382.657	9088.614
		1997	922587.668	909136.628	13451.039
		1998	1034072.457	1015234.227	18838.229
		1999	1153475.399	1127544.487	25930.912
		2000	1268050.268	1233744.423	34305.845
		2001	1382786.209	1338432.939	44353.270
		2002	1497557.412	1441304.288	56253.124
		2003	1614405.229	1544353.781	70051.448
		2004	1726672.489	1641431.343	85241.146
		2005	1847277.524	1743819.020	103458.504
		2006	1961009.963	1838174.174	122835.789
		2007	2079868.908	1934422.387	145446.522
		2008	2206755.783	2034882.897	171872.886
		2009	2331993.380	2131535.651	200457.729
		2010	2455130.176	2224177.253	230952.924
		2011	2582657.849	2317481.387	265176.462
		2012	2709719.005	2407694.365	302024.640
		2013	2840547.005	2497686.773	342860.233
		2014	2971677.135	2585051.663	386625.472
		2015	3104538.983	2671759.536	432779.447
		2016	3237650.175	2755559.899	482090.276
		2017	3370561.253	2836560.387	534000.866
		2018	3503136.371	2914086.719	589049.652
		2019	3636402.758	2989180.503	647222.255
		2020	3768054.453	3061215.212	706839.240
		2021	3897675.067	3129348.580	768326.487
		2022	4027307.132	3194692.635	832614.497
		2023	4156698.720	3257165.880	899532.840
		2024	4285772.226	3316811.570	968960.656
		2025	4410759.298	3372827.844	1037931.45
		2026	4531411.064	3424196.165	1107214.90
		2027	4651145.233	3472753.984	1178391.25
		2028	4769837.872	3518570.002	1251267.87
		2029	4887747.179	3561878.474	1325868.71
2030	4997632.895	3601176.473	1396456.42		
2031	5103301.991	3636503.334	1466798.66		
2032	5207593.613	3669571.908	1538021.70		
2033	5310556.138	3700417.418	1610138.72		
2034	5412542.816	3729382.646	1683160.17		
2035	5500522.473	3753867.406	1746655.07		
2036	5588149.640	3776718.062	1811431.58		
2037	5674667.886	3798174.783	1876493.10		
2038	5760391.289	3818267.794	1942123.49		
2039	5845459.234	3837295.157	2008164.08		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159870.281	159.229
		1992	240642.531	240036.831	605.700
		1993	329362.093	327799.626	1562.468
		1994	418569.515	415440.153	3129.362
		1995	509110.357	503606.177	5504.180
		1996	600040.117	591299.367	8740.750
		1997	691159.071	678198.255	12960.815
		1998	782866.899	764638.726	18228.173
		1999	881526.925	856352.790	25174.135
		2000	977880.647	944685.299	33195.348

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

2001	1076787.404	1033909.688	42877.716
2002	1174842.754	1120794.399	54048.355
2003	1275102.681	1208107.202	66995.479
2004	1371026.306	1290087.669	80938.637
2005	1473954.509	1376154.127	97800.382
2006	1574450.828	1458358.843	116091.985
2007	1673790.211	1537747.641	136042.570
2008	1782360.738	1622428.692	159932.046
2009	1892944.209	1706231.486	186712.723
2010	2002131.282	1786929.697	215201.585
2011	2114522.152	1867480.145	247042.008
2012	2228079.372	1946567.877	281511.495
2013	2345377.689	2025650.308	319727.381
2014	2462498.422	2102003.212	360495.210
2015	2581450.312	2177814.007	403636.305
2016	2701959.301	2251969.536	449989.765
2017	2823834.967	2324335.663	499499.304
2018	2938265.081	2390412.978	547852.103
2019	3053254.880	2454364.572	598890.307
2020	3167073.216	2515795.059	651278.156
2021	3279517.699	2574678.727	704838.973
2022	3392060.964	2631278.727	760782.237
2023	3504296.171	2685499.713	818796.459
2024	3616019.231	2737193.772	878825.459
2025	3724611.269	2785919.793	938691.476
2026	3827181.707	2830531.443	996650.264
2027	3928684.441	2872721.687	1055962.75
2028	4029124.892	2912690.686	1116434.21
2029	4128269.068	2950277.067	1177992.00
2030	4221560.174	2984674.636	1236885.54
2031	4304170.584	3013779.776	1290390.81
2032	4384930.537	3040801.976	1344128.56
2033	4464357.691	3066080.166	1398277.52
2034	4542251.545	3089527.030	1452724.51
2035	4611066.648	3109757.369	1501309.28
2036	4670309.230	3126196.019	1544113.21
2037	4728179.514	3141445.561	1586733.95
2038	4785008.048	3155680.100	1629327.95
2039	4841291.793	3169015.368	1672276.42

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	254470.839	189440.195
		35-39	1146798.555	651735.161	495063.394
		40-44	2609591.408	1448096.483	1161494.93
		45-49	4775841.753	2614623.791	2161217.96
		50-54	7446969.205	4209925.703	3237043.50
		55-59	8240205.925	5045092.026	3195113.90
		60-64	8772829.118	5757421.199	3015407.92
		65-69	6161494.678	4395791.351	1765703.33
		70-74	2495906.274	1833568.104	662338.170
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	148688.189	80452.372
		35-39	570217.942	364498.099	205719.843
		40-44	1267538.938	790453.940	477084.998
		45-49	2340070.698	1440445.018	899625.680
		50-54	3743803.613	2319809.190	1423994.42
		55-59	4591478.168	2955708.088	1635770.08
		60-64	5207367.788	3458970.702	1748397.09
		65-69	4092181.394	2846541.021	1245640.37
70-74		1776092.171	1249715.590	526376.580	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	53301.189	12763.829
		35-39	232509.414	188953.107	43556.307
		40-44	688628.041	549080.026	139548.016
		45-49	1528300.367	1185428.937	342871.430
		50-54	2730187.229	2088149.721	642037.508
		55-59	3909101.673	2971893.254	937208.419
		60-64	4287716.660	3336651.343	951065.317
		65-69	3467897.115	2738147.018	729750.096
		70-74	1312144.343	1049157.788	262986.555
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	41824.845	10088.268
		35-39	189792.904	153162.634	36630.271
		40-44	527596.573	410583.878	117012.695
		45-49	1122524.269	845516.899	277007.370
		50-54	1882214.322	1390590.859	491623.463
		55-59	2595581.943	1894256.392	701325.551
		60-64	2846273.090	2107300.210	738972.880
		65-69	2358758.394	1760040.670	598717.724
70-74		937814.238	705899.324	231914.913	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	129154.461	134680.104
		35-39	692140.150	325074.672	367065.479
		40-44	1519708.432	658509.693	861198.739
		45-49	2568546.697	1033645.924	1534900.77
		50-54	3632929.903	1509148.287	2123781.62
		55-59	2807892.356	1206683.953	1601208.40
		60-64	2599825.934	1280224.688	1319601.25
		65-69	1113578.307	614042.105	499536.202
		70-74	437536.271	271549.240	165987.031
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	40973.517	38675.580
		35-39	193965.908	89819.086	104146.821
		40-44	403380.974	169807.905	233573.069
		45-49	671385.408	265021.874	406363.534
		50-54	1011875.989	421950.013	589925.976
		55-59	849875.715	375903.594	473972.121
		60-64	925490.876	466402.591	459088.286
		65-69	455463.881	258002.264	197461.617
70-74		207681.216	130161.261	77519.955	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	45056.749	28406.900
		35-39	151934.057	90670.208	61263.849
		40-44	262845.974	149350.429	113495.546
		45-49	383421.246	205021.574	178399.672
		50-54	479872.634	235778.542	244094.091
		55-59	437124.903	200007.750	237117.154
		60-64	419457.235	194936.252	224520.982
		65-69	128180.574	61584.795	66595.780
		70-74	53245.965	27603.244	25642.722
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	41553.476	21365.614

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

		35-39	120806.205	75827.088	44979.118
		40-44	203391.885	119348.058	84043.827
		45-49	278172.097	152716.532	125455.566
		50-54	325979.181	168174.049	157805.132
		55-59	275161.340	133929.353	141231.987
		60-64	268920.493	132218.659	136701.834
		65-69	87956.054	44515.304	43440.750
		70-74	42055.224	22047.740	20007.483
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	26958.440	13589.361
		35-39	70214.933	47037.174	23177.759
		40-44	138408.960	91156.336	47252.624
		45-49	295573.443	190527.356	105046.087
		50-54	603979.438	376849.152	227130.286
		55-59	1086086.992	666507.069	419579.923
		60-64	1465829.290	945608.916	520220.374
		65-69	1451838.682	982017.433	469821.249
		70-74	692979.695	485257.832	207721.862
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	24336.352	10322.909
		35-39	65652.924	45689.291	19963.633
		40-44	133169.505	90714.098	42455.407
		45-49	267988.924	177189.713	90799.211
		50-54	523734.121	339094.269	184639.851
		55-59	870859.170	551618.749	319240.421
		60-64	1166683.329	753049.242	413634.087
		65-69	1190003.066	783982.784	406020.282
		70-74	588541.493	391607.264	196934.229
		75-79	0.000	0.000	0.000

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	254488.415	189422.619
		35-39	1146798.555	651868.351	494930.204
		40-44	2609591.408	1448962.832	1160628.58
		45-49	4775841.753	2618478.310	2157363.44
		50-54	7446969.205	4221626.951	3225342.25
		55-59	8240205.925	5063721.917	3176484.01
		60-64	8772829.118	5788363.466	2984465.65
		65-69	6161494.678	4421700.996	1739793.68
		70-74	2495906.274	1847646.898	648259.376
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	148692.475	80448.086
		35-39	570217.942	364530.118	205687.824
		40-44	1267538.938	790659.800	476879.138
		45-49	2340070.698	1441361.591	898709.107
		50-54	3743803.613	2322726.197	1421077.42
		55-59	4591478.168	2961328.164	1630150.00
		60-64	5207367.788	3469675.554	1737692.23
		65-69	4092181.394	2857946.639	1234234.76
70-74		1776092.171	1257022.138	519070.033	
Lung cancer	Males	30-34	66065.017	53304.954	12760.064
		35-39	232509.414	188994.027	43515.387
		40-44	688628.041	549435.241	139192.801
		45-49	1528300.367	1187325.061	340975.307
		50-54	2730187.229	2094364.599	635822.631
		55-59	3909101.673	2983422.744	925678.929
		60-64	4287716.660	3355437.838	932278.821
		65-69	3467897.115	2754304.878	713592.236
		70-74	1312144.343	1057262.498	254881.845
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	41826.176	10086.937
		35-39	189792.904	153176.852	36616.053
		40-44	527596.573	410698.372	116898.201
		45-49	1122524.269	846082.729	276441.540
		50-54	1882214.322	1392425.141	489789.181
		55-59	2595581.943	1897979.531	697602.412
		60-64	2846273.090	2114054.064	732219.025
		65-69	2358758.394	1767054.538	591703.856
70-74		937814.238	710012.400	227801.838	
IHD	Males	30-34	263834.566	129163.409	134671.157
		35-39	692140.150	325137.620	367002.530
		40-44	1519708.432	658866.502	860841.930
		45-49	2568546.697	1034951.729	1533594.97
		50-54	3632929.903	1512562.692	2120367.21
		55-59	2807892.356	1209722.651	1598169.71
		60-64	2599825.934	1284420.808	1315405.13
		65-69	1113578.307	615793.358	497784.950
		70-74	437536.271	272454.273	165081.998
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	40974.706	38674.391
		35-39	193965.908	89826.705	104139.203
		40-44	403380.974	169846.970	233534.004
		45-49	671385.408	265159.140	406226.268
		50-54	1011875.989	422341.513	589534.476
		55-59	849875.715	376326.571	473549.144
		60-64	925490.876	467150.191	458340.685
		65-69	455463.881	258416.915	197046.966
70-74		207681.216	130438.959	77242.258	
Stroke	Males	30-34	73463.650	45059.453	28404.197
		35-39	151934.057	90687.155	61246.902
		40-44	262845.974	149430.747	113415.227
		45-49	383421.246	205286.364	178134.882
		50-54	479872.634	236345.566	243527.068
		55-59	437124.903	200596.463	236528.440
		60-64	419457.235	195723.505	223733.729
		65-69	128180.574	61798.836	66381.738
		70-74	53245.965	27710.009	25535.957
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	41554.456	21364.634

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_1.RTF)

		35-39	120806.205	75832.533	44973.672
		40-44	203391.885	119372.347	84019.539
		45-49	278172.097	152789.682	125382.416
		50-54	325979.181	168326.295	157652.886
		55-59	275161.340	134094.431	141066.908
		60-64	268920.493	132464.513	136455.980
		65-69	87956.054	44599.409	43356.645
		70-74	42055.224	22102.170	19953.053
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	26960.599	13587.202
		35-39	70214.933	47049.548	23165.385
		40-44	138408.960	91230.342	47178.618
		45-49	295573.443	190915.157	104658.286
		50-54	603979.438	378354.095	225625.344
		55-59	1086086.992	669980.059	416106.933
		60-64	1465829.290	952781.315	513047.975
		65-69	1451838.682	989803.924	462034.758
		70-74	692979.695	490220.118	202759.577
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	24337.138	10322.123
		35-39	65652.924	45694.028	19958.896
		40-44	133169.505	90742.111	42427.394
		45-49	267988.924	177330.041	90658.884
		50-54	523734.121	339633.249	184100.872
		55-59	870859.170	552927.630	317931.540
		60-64	1166683.329	756006.785	410676.544
		65-69	1190003.066	787875.777	402127.289
		70-74	588541.493	394468.609	194072.884
		75-79	0.000	0.000	0.000

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

Estimated Loss of Life from the E Component for Run: 8, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	28689066.694	13404481.3
	Female	2039	23817891.273	16901479.702	6916411.57
Lung cancer	Males	2039	18222549.860	14977158.661	3245391.20
	Female	2039	12512468.845	9933525.866	2578942.98
IHD	Males	2039	15635992.616	8237510.462	7398482.15
	Female	2039	4798769.065	2575496.752	2223272.31
Stroke	Males	2039	2389546.238	1362862.833	1026683.40
	Female	2039	1665361.569	990917.776	674443.793
COPD	Males	2039	5845459.234	4111534.737	1733924.50
	Female	2039	4841291.793	3401539.308	1439752.48

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	28801171.398	13292376.6
	Female	2039	23817891.273	16941976.028	6875915.24
Lung cancer	Males	2039	18222549.860	15040313.502	3182236.36
	Female	2039	12512468.845	9958008.328	2554460.52
IHD	Males	2039	15635992.616	8257558.569	7378434.05
	Female	2039	4798769.065	2578707.451	2220061.61
Stroke	Males	2039	2389546.238	1366094.898	1023451.34
	Female	2039	1665361.569	991903.153	673458.416
COPD	Males	2039	5845459.234	4137204.429	1708254.81
	Female	2039	4841291.793	3413357.096	1427934.70

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2572600.490	7264.867
		1992	3830683.831	3803776.582	26907.249
		1993	5076567.803	5013706.580	62861.223
		1994	6292145.526	6174395.095	117750.431
		1995	7485537.010	7291342.158	194194.852
		1996	8655955.028	8362982.371	292972.657
		1997	9791729.713	9378734.268	412995.445
		1998	10899134.186	10346251.465	552882.721
		1999	12070409.674	11331360.251	739049.424
		2000	13231384.595	12282663.505	948721.090
		2001	14371761.018	13190386.787	1181374.23
		2002	15508906.386	14068116.644	1440789.74
		2003	16638100.422	14915285.421	1722815.00
		2004	17736465.088	15718774.881	2017690.21
		2005	18834658.606	16502029.569	2332629.04
		2006	19909100.501	17244626.046	2664474.45
		2007	20958321.463	17952073.537	3006247.93
		2008	22000068.148	18639613.129	3360455.02
		2009	23018816.903	19297142.925	3721673.98
		2010	24018480.537	19926758.330	4091722.21
		2011	25003034.574	20532047.541	4470987.03
		2012	25969871.429	21111498.323	4858373.11
		2013	26920275.180	21667075.421	5253199.76
		2014	27849005.227	22196341.926	5652663.30
		2015	28749620.400	22700796.097	6048824.30
		2016	29622417.562	23173543.764	6448873.80
		2017	30462559.724	23615348.707	6847211.02
		2018	31293299.299	24046975.489	7246323.81
		2019	32109993.427	24462804.323	7647189.10
		2020	32883323.977	24853586.269	8029737.71
		2021	33610102.554	25204511.930	8405590.62
		2022	34322010.448	25540815.286	8781195.16
		2023	35018383.550	25862630.335	9155753.21
		2024	35700177.955	26171193.787	9528984.17
		2025	36315500.346	26450700.354	9864799.99
		2026	36896159.343	26700484.848	10195674.5
		2027	37462570.116	26939050.533	10523519.6
		2028	38015337.780	27166228.276	10849109.5
		2029	38554814.764	27383622.882	11171191.9
		2030	39003805.400	27567731.591	11436073.8
		2031	39436509.703	27735101.354	11701408.3
2032	39858470.458	27894857.692	11963612.8		
2033	40270147.082	28046397.515	12223749.6		
2034	40672665.743	28191926.115	12480739.6		
2035	40962732.664	28299770.427	12662962.2		
2036	41255021.653	28403497.263	12851524.4		
2037	41540573.023	28503034.416	13037538.6		
2038	41820158.066	28597805.923	13222352.1		
2039	42093547.949	28689066.694	13404481.3		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1180081.523	2489.729
		1992	1777346.679	1767921.662	9425.017
		1993	2380261.899	2357693.505	22568.394
		1994	2983130.039	2939912.809	43217.230
		1995	3588982.584	3516566.878	72415.706
		1996	4195430.235	4083496.627	111933.607
		1997	4793866.694	4633901.475	159965.220
		1998	5389747.381	5172305.856	217441.525
		1999	6006722.467	5715024.340	291698.127
		2000	6625758.871	6249515.216	376243.655
		2001	7245135.411	6772345.828	472789.583
		2002	7867492.021	7285799.532	581692.489
		2003	8485051.793	7784545.664	700506.129
		2004	9092994.774	8264989.575	828005.199
		2005	9706032.803	8739240.285	966792.518
		2006	10311907.548	9197146.465	1114761.08
		2007	10909437.502	9640219.554	1269217.95
		2008	11506462.491	10071425.662	1435036.83
		2009	12098393.287	10491624.431	1606768.86
		2010	12681188.981	10896246.929	1784942.05

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

		2011	13260062.991	11288598.174	1971464.82
		2012	13839417.441	11671856.883	2167560.56
		2013	14409614.758	12041478.871	2368135.89
		2014	14976658.746	12399077.731	2577581.01
		2015	15529977.821	12740972.960	2789004.86
		2016	16066640.764	13063627.759	3003013.00
		2017	16590035.078	13370609.682	3219425.40
		2018	17098716.137	13665409.214	3433306.92
		2019	17599868.850	13949427.043	3650441.81
		2020	18081346.241	14218607.112	3862739.13
		2021	18537594.460	14466003.720	4071590.74
		2022	18985300.234	14703432.247	4281867.99
		2023	19423958.747	14931232.486	4492726.26
		2024	19853347.772	15149070.218	4704277.55
		2025	20252822.245	15350011.681	4902810.56
		2026	20619307.063	15528373.906	5090933.16
		2027	20976063.406	15698156.898	5277906.51
		2028	21323641.947	15860276.753	5463365.19
		2029	21662117.106	16014450.801	5647666.31
		2030	21960971.694	16149958.782	5811012.91
		2031	22224951.983	16264909.652	5960042.33
		2032	22480397.853	16373660.946	6106736.91
		2033	22728639.455	16477190.930	6251448.53
		2034	22970448.888	16575423.778	6395025.11
		2035	23164154.188	16653826.520	6510327.67
		2036	23334538.616	16720125.157	6614413.46
		2037	23499760.723	16783216.834	6716543.89
		2038	23660308.401	16843555.004	6816753.40
		2039	23817891.273	16901479.702	6916411.57
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177198.240	545.872
		1992	1750034.892	1747983.685	2051.207
		1993	2319752.308	2314768.966	4983.341
		1994	2872597.339	2862961.072	9636.267
		1995	3411494.825	3395146.325	16348.501
		1996	3945569.726	3919807.563	25762.163
		1997	4463316.362	4425483.299	37833.063
		1998	4975301.180	4922212.788	53088.393
		1999	5473691.125	5402005.132	71685.993
		2000	5977500.570	5882720.209	94780.361
		2001	6474795.516	6352525.048	122270.468
		2002	6968769.705	6814116.512	154653.193
		2003	7460282.140	7267815.060	192467.080
		2004	7947048.275	7711522.799	235525.476
		2005	8430571.669	8146448.391	284123.278
		2006	8903945.390	8565947.880	337997.510
		2007	9364177.982	8967623.723	396554.259
		2008	9822525.458	9360847.719	461677.740
		2009	10275228.886	9742588.700	532640.186
		2010	10720275.500	10111422.045	608853.456
		2011	11155356.373	10465414.122	689942.251
		2012	11582611.617	10805746.362	776865.254
		2013	11998803.791	11130447.636	868356.155
		2014	12402087.090	11438618.941	963468.149
		2015	12793451.706	11731795.252	1061656.45
		2016	13160101.653	12000250.318	1159851.33
		2017	13503583.414	12246032.302	1257551.11
		2018	13859755.737	12493963.712	1365792.02
		2019	14211625.176	12733004.645	1478620.53
		2020	14553935.288	12960668.935	1593266.35
		2021	14851747.495	13153688.112	1698059.38
		2022	15144531.004	13338601.675	1805929.33
		2023	15431932.496	13515537.911	1916394.59
		2024	15713920.740	13684868.342	2029052.40
		2025	15979112.816	13841383.753	2137729.06
		2026	16206550.153	13971417.859	2235132.29
		2027	16428826.050	14095249.793	2333576.26
		2028	16645902.186	14213065.958	2432836.23
		2029	16858126.517	14325588.210	2532538.31
		2030	17045220.687	14423766.903	2621453.78
		2031	17208482.610	14506427.797	2702054.81
		2032	17367586.074	14585202.792	2782383.28
		2033	17522716.280	14659967.277	2862749.00
		2034	17674226.555	14731557.643	2942668.91
		2035	17792201.734	14786921.198	3005280.54
		2036	17903508.236	14837655.714	3065852.52
		2037	18012162.345	14886283.893	3125878.45
		2038	18118464.470	14932567.544	3185896.93

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

	Female	2039	18222549.860	14977158.661	3245391.20
		1990	307897.357	307897.357	0.000
		1991	616547.418	616197.940	349.478
		1992	931086.773	929703.983	1382.790
		1993	1246155.671	1242754.061	3401.610
		1994	1561212.934	1554524.842	6688.092
		1995	1879967.742	1868342.252	11625.490
		1996	2197488.109	2179049.368	18438.741
		1997	2515698.453	2488231.913	27466.539
		1998	2836249.556	2797284.185	38965.371
		1999	3150201.390	3097300.010	52901.380
		2000	3472722.342	3402635.313	70087.029
		2001	3796994.889	3706244.209	90750.680
		2002	4126619.935	4011180.961	115438.974
		2003	4454982.533	4311185.214	143797.319
		2004	4784343.030	4607937.301	176405.729
		2005	5113443.121	4900219.199	213223.921
		2006	5442543.963	5187664.194	254879.769
		2007	5772441.497	5471061.584	301379.912
		2008	6091911.943	5740681.472	351230.471
		2009	6413671.330	6007006.594	406664.736
		2010	6730763.530	6264833.572	465929.958
		2011	7043614.101	6514068.137	529545.964
		2012	7356270.780	6758012.865	598257.914
		2013	7662551.964	6991962.079	670589.885
		2014	7964551.465	7217703.211	746848.254
		2015	8254895.403	7430641.525	824253.877
		2016	8530661.848	7628131.023	902530.825
		2017	8795826.122	7813822.293	982003.829
		2018	9067233.707	7998931.177	1068302.53
		2019	9335343.270	8177268.725	1158074.55
		2020	9596110.883	8347091.751	1249019.13
		2021	9833186.859	8498214.602	1334972.26
		2022	10066452.037	8643159.509	1423292.53
		2023	10295503.609	8782092.066	1513411.54
		2024	10520125.318	8914826.803	1605298.51
		2025	10731915.863	9037710.414	1694205.45
		2026	10917495.549	9142876.694	1774618.85
		2027	11098620.885	9242902.205	1855718.68
		2028	11275441.234	9338338.067	1937103.17
		2029	11447962.710	9429034.962	2018927.75
		2030	11601867.623	9508821.131	2093046.49
		2031	11731666.516	9574166.612	2157499.90
		2032	11857585.969	9636022.958	2221563.01
		2033	11980128.625	9694909.903	2285218.72
		2034	12099562.464	9750816.127	2348746.34
		2035	12195919.946	9795259.348	2400660.60
		2036	12278201.969	9832155.629	2446046.34
		2037	12358146.336	9867363.855	2490782.48
		2038	12435978.633	9901091.966	2534886.67
		2039	12512468.845	9933525.866	2578942.98
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1013277.589	5941.806
		1992	1509598.614	1487619.583	21979.031
		1993	1992735.299	1941742.863	50992.437
		1994	2462877.575	2368118.983	94758.592
		1995	2928249.390	2772986.572	155262.817
		1996	3377377.730	3144987.728	232390.001
		1997	3809062.472	3484148.308	324914.164
		1998	4222213.867	3791063.107	431150.760
		1999	4708317.743	4131221.483	577096.260
		2000	5182084.396	4443879.973	738204.423
		2001	5644097.705	4729459.061	914638.644
		2002	6107232.129	4997874.888	1109357.24
		2003	6561785.704	5244936.242	1316849.46
		2004	6996156.348	5467036.936	1529119.41
		2005	7426261.361	5674659.537	1751601.82
		2006	7849012.694	5866554.300	1982458.39
		2007	8255300.530	6041036.006	2214264.52
		2008	8650662.040	6202406.074	2448255.97
		2009	9030818.513	6350455.581	2680362.93
		2010	9403026.327	6489147.085	2913879.24
		2011	9767535.506	6619123.018	3148412.49
		2012	10123044.281	6740984.916	3382059.36
		2013	10470104.786	6855529.143	3614575.64
		2014	10807756.112	6963312.459	3844443.65
		2015	11130681.425	7063448.730	4067232.70
		2016	11448966.506	7159315.304	4289651.20

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

		2017	11758164.882	7250060.612	4508104.27
		2018	12054448.241	7334765.388	4719682.85
		2019	12341606.261	7415327.405	4926278.86
		2020	12600728.939	7486598.630	5114130.31
		2021	12861767.105	7557124.797	5304642.31
		2022	13114168.616	7624132.621	5490036.00
		2023	13357894.797	7687640.446	5670254.35
		2024	13593848.521	7748395.332	5845453.19
		2025	13789177.359	7798022.081	5991155.28
		2026	13993401.656	7849473.907	6143927.75
		2027	14190519.224	7898787.195	6291732.03
		2028	14381193.356	7945548.120	6435645.24
		2029	14565171.927	7990340.366	6574831.56
		2030	14697381.605	8022184.372	6675197.23
		2031	14842203.512	8057018.247	6785185.27
		2032	14982485.826	8090430.969	6892054.86
		2033	15118410.647	8121954.620	6996456.03
		2034	15250284.398	8152499.531	7097784.87
		2035	15322911.166	8168803.113	7154108.05
		2036	15405115.031	8187133.381	7217981.65
		2037	15484709.137	8204797.856	7279911.28
		2038	15561812.193	8221511.057	7340301.14
		2039	15635992.616	8237510.462	7398482.15
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293556.150	1566.312
		1992	439962.920	434118.886	5844.034
		1993	584735.615	570919.876	13815.740
		1994	727640.783	701586.352	26054.430
		1995	868486.937	825554.025	42932.912
		1996	1010321.847	944642.123	65679.725
		1997	1144230.930	1052069.315	92161.615
		1998	1274513.622	1151326.131	123187.491
		1999	1426725.938	1261227.256	165498.682
		2000	1573462.680	1361644.640	211818.039
		2001	1719132.015	1454947.280	264184.735
		2002	1863006.732	1541314.473	321692.259
		2003	2002943.227	1620141.463	382801.765
		2004	2137798.705	1691493.522	446305.183
		2005	2271071.245	1758148.981	512922.265
		2006	2400707.731	1818992.007	581715.724
		2007	2523634.512	1873615.425	650019.087
		2008	2648752.232	1926249.472	722502.760
		2009	2765973.961	1973361.507	792612.454
		2010	2881329.235	2017723.786	863605.449
		2011	2994972.694	2059437.071	935535.622
		2012	3108958.829	2099504.955	1009453.87
		2013	3218140.416	2136696.668	1081443.75
		2014	3328387.914	2172939.532	1155448.38
		2015	3435342.796	2207156.539	1228186.26
		2016	3539189.408	2239412.175	1299777.23
		2017	3640041.363	2269877.639	1370163.72
		2018	3732645.362	2297181.188	1435464.17
		2019	3821421.978	2322780.040	1498641.94
		2020	3902115.950	2345528.385	1556587.57
		2021	3984301.053	2368266.365	1616034.69
		2022	4062629.299	2389565.269	1673064.03
		2023	4137348.729	2409635.302	1727713.43
		2024	4208611.493	2428499.792	1780111.70
		2025	4269419.492	2444352.891	1825066.60
		2026	4330969.998	2460222.070	1870747.93
		2027	4389134.306	2475106.639	1914027.67
		2028	4444222.970	2489133.659	1955089.31
		2029	4496447.877	2502347.988	1994099.89
		2030	4536975.698	2512344.098	2024631.60
		2031	4578338.586	2522543.912	2055794.67
		2032	4617397.784	2532186.672	2085211.11
		2033	4654407.697	2541344.937	2113062.76
		2034	4689913.454	2550064.896	2139848.56
		2035	4712518.190	2555333.140	2157185.05
		2036	4735845.827	2560748.390	2175097.44
		2037	4757958.806	2565891.315	2192067.49
		2038	4778813.806	2570799.153	2208014.65
		2039	4798769.065	2575496.752	2223272.31
	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148857.579	605.438
		1992	222966.278	220721.442	2244.836
		1993	296801.879	291465.538	5336.340
		1994	372453.706	362138.761	10314.944
Stroke					

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

	1995	448401.338	430992.340	17408.998
	1996	523536.301	496799.834	26736.467
	1997	596763.211	558477.862	38285.349
	1998	667546.681	615652.556	51894.125
	1999	734925.407	667708.618	67216.789
	2000	803749.361	718494.030	85255.330
	2001	870081.588	765002.365	105079.224
	2002	935347.140	808486.480	126860.660
	2003	1001627.349	850246.720	151380.630
	2004	1066587.976	889073.689	177514.286
	2005	1130548.052	925241.122	205306.930
	2006	1195132.454	959766.378	235366.076
	2007	1258974.043	992069.091	266904.952
	2008	1320124.867	1021323.073	298801.794
	2009	1380776.123	1048876.399	331899.724
	2010	1440048.533	1074518.474	365530.059
	2011	1497484.847	1098207.165	399277.682
	2012	1554496.526	1120550.921	433945.605
	2013	1610819.598	1141633.323	469186.275
	2014	1667484.890	1161891.156	505593.734
	2015	1720948.287	1180326.591	540621.696
	2016	1775699.228	1198472.079	577227.149
	2017	1830250.175	1215899.454	614350.721
	2018	1875958.950	1230024.996	645933.954
	2019	1920359.232	1243342.656	677016.575
	2020	1960605.297	1255114.610	705490.687
	2021	1998912.887	1266000.097	732912.790
	2022	2036003.696	1276251.406	759752.289
	2023	2071857.536	1285915.926	785941.611
	2024	2106636.468	1295107.290	811529.178
	2025	2136450.873	1302843.818	833607.056
	2026	2164796.470	1310055.723	854740.747
	2027	2192079.608	1316907.357	875172.251
	2028	2218404.367	1323375.884	895028.482
	2029	2243769.140	1329538.691	914230.449
	2030	2263570.213	1334279.908	929290.305
	2031	2282521.590	1338767.803	943753.787
	2032	2300804.945	1343040.189	957764.756
	2033	2318464.018	1347084.371	971379.647
	2034	2335611.973	1350982.690	984629.283
	2035	2347097.290	1353561.584	993535.707
	2036	2358248.747	1356041.042	1002207.70
	2037	2369033.655	1358429.953	1010603.70
	2038	2379490.114	1360697.955	1018792.16
	2039	2389546.238	1362862.833	1026683.40
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110439.237	432.625
	1992	165654.454	163993.691	1660.764
	1993	220008.519	216044.325	3964.194
	1994	275706.807	268009.200	7697.607
	1995	331417.547	318443.340	12974.208
	1996	387580.161	367517.773	20062.388
	1997	442778.242	413937.047	28841.195
	1998	496117.305	456994.131	39123.173
	1999	548268.214	497290.107	50978.107
	2000	601693.202	536773.908	64919.293
	2001	652221.103	572348.111	79872.992
	2002	703022.600	606306.988	96715.613
	2003	752023.351	637383.187	114640.164
	2004	799826.733	666086.776	133739.957
	2005	847563.928	693291.951	154271.977
	2006	894205.027	718465.686	175739.341
	2007	939571.282	741657.393	197913.889
	2008	983437.578	762949.139	220488.439
	2009	1025803.786	782517.834	243285.952
	2010	1066964.934	800593.500	266371.434
	2011	1106954.044	817311.611	289642.433
	2012	1146108.461	832949.545	313158.916
	2013	1183544.689	847289.182	336255.507
	2014	1221220.945	861101.245	360119.700
	2015	1258289.311	874231.747	384057.564
	2016	1294830.207	886704.210	408125.998
	2017	1330332.626	898401.039	431931.586
	2018	1360571.987	908070.002	452501.986
	2019	1389848.723	917132.246	472716.476
	2020	1416046.192	925029.506	491016.687
	2021	1440588.850	932224.327	508364.523
	2022	1464157.934	938967.807	525190.127

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

		2023	1486810.237	945331.444	541478.793
		2024	1508591.729	951315.044	557276.685
		2025	1526875.621	956248.056	570627.565
		2026	1543659.810	960693.681	582966.129
		2027	1559623.774	964868.078	594755.697
		2028	1574852.850	968807.036	606045.815
		2029	1589437.452	972527.941	616909.511
		2030	1600568.199	975300.428	625267.772
		2031	1610776.297	977830.273	632946.024
		2032	1620483.563	980227.033	640256.530
		2033	1629745.442	982508.364	647237.078
		2034	1638721.425	984688.861	654032.564
		2035	1644649.404	986078.688	658570.716
		2036	1650181.590	987365.122	662816.467
		2037	1655476.066	988595.435	666880.631
		2038	1660507.914	989778.015	670729.899
		2039	1665361.569	990917.776	674443.793
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233267.082	171.751
		1992	348084.047	347451.873	632.175
		1993	467278.318	465729.213	1549.105
		1994	584216.907	581176.279	3040.628
		1995	697391.457	692216.921	5174.536
		1996	809471.271	801387.246	8084.025
		1997	922587.668	910624.798	11962.870
		1998	1034072.457	1017323.014	16749.443
		1999	1153475.399	1130425.017	23050.382
		2000	1268050.268	1237569.292	30480.976
		2001	1382786.209	1343400.314	39385.896
		2002	1497557.412	1447638.765	49918.647
		2003	1614405.229	1552287.400	62117.830
		2004	1726672.489	1651141.457	75531.032
		2005	1847277.524	1755680.519	91597.005
		2006	1961009.963	1852357.488	108652.475
		2007	2079868.908	1951344.717	128524.191
		2008	2206755.783	2055036.264	151719.519
		2009	2331993.380	2155222.245	176771.135
		2010	2455130.176	2251670.727	203459.450
		2011	2582657.849	2349303.236	233354.613
		2012	2709719.005	2444216.123	265502.882
		2013	2840547.005	2539465.319	301081.687
		2014	2971677.135	2632519.371	339157.765
		2015	3104538.983	2725225.525	379313.458
		2016	3237650.175	2815506.063	422144.112
		2017	3370561.253	2903356.340	467204.913
		2018	3503136.371	2988221.394	514914.978
		2019	3636402.758	3071129.617	565273.141
		2020	3768054.453	3151204.094	616850.359
		2021	3897675.067	3227698.924	669976.142
		2022	4027307.132	3301829.584	725477.548
		2023	4156698.720	3373536.053	783162.668
		2024	4285772.226	3442822.823	842949.403
		2025	4410759.298	3508450.702	902308.595
		2026	4531411.064	3569537.358	961873.707
		2027	4651145.233	3628106.188	1023039.05
		2028	4769837.872	3684238.314	1085599.56
		2029	4887747.179	3738155.614	1149591.56
2030	4997632.895	3787500.409	1210132.49		
2031	5103301.991	3832887.507	1270414.48		
2032	5207593.613	3876183.742	1331409.87		
2033	5310556.138	3917391.248	1393164.89		
2034	5412542.816	3956886.252	1455656.56		
2035	5500522.473	3990484.532	1510037.94		
2036	5588149.640	4022667.126	1565482.51		
2037	5674667.886	4053522.714	1621145.17		
2038	5760391.289	4083029.367	1677361.92		
2039	5845459.234	4111534.737	1733924.50		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159888.196	141.314
		1992	240642.531	240105.102	537.429
		1993	329362.093	327975.243	1386.851
		1994	418569.515	415792.415	2777.100
		1995	509110.357	504227.261	4883.096
		1996	600040.117	592287.363	7752.754
		1997	691159.071	679663.199	11495.871
		1998	782866.899	766701.409	16165.489
		1999	881526.925	859206.967	22319.959
		2000	977880.647	948461.355	29419.293

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

2001	1076787.404	1038806.227	37981.177
2002	1174842.754	1126997.110	47845.644
2003	1275102.681	1215835.800	59266.881
2004	1371026.306	1299471.976	71554.329
2005	1473954.509	1387580.154	86374.355
2006	1574450.828	1472024.579	102426.249
2007	1673790.211	1553885.152	119905.059
2008	1782360.738	1641545.579	140815.159
2009	1892944.209	1728738.497	164205.713
2010	2002131.282	1813096.072	189035.210
2011	2114522.152	1897781.354	216740.799
2012	2228079.372	1981389.517	246689.855
2013	2345377.689	2065530.942	279846.747
2014	2462498.422	2147333.742	315164.680
2015	2581450.312	2228943.148	352507.163
2016	2701959.301	2309380.352	392578.949
2017	2823834.967	2388508.711	435326.256
2018	2938265.081	2461226.847	477038.233
2019	3053254.880	2532246.032	521008.848
2020	3167073.216	2600957.472	566115.744
2021	3279517.699	2667298.427	612219.273
2022	3392060.964	2731739.661	660321.302
2023	3504296.171	2794173.674	710122.497
2024	3616019.231	2854428.579	761590.652
2025	3724611.269	2911700.320	812910.950
2026	3827181.707	2964581.460	862600.247
2027	3928684.441	3015279.977	913404.464
2028	4029124.892	3063997.991	965126.901
2029	4128269.068	3110539.909	1017729.16
2030	4221560.174	3153493.125	1068067.05
2031	4304170.584	3190368.856	1113801.73
2032	4384930.537	3225224.283	1159706.25
2033	4464357.691	3258427.726	1205929.97
2034	4542251.545	3289853.894	1252397.65
2035	4611066.648	3317155.343	1293911.30
2036	4670309.230	3339856.016	1330453.21
2037	4728179.514	3361366.230	1366813.28
2038	4785008.048	3381885.870	1403122.18
2039	4841291.793	3401539.308	1439752.48

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2572600.490	7264.867
		1992	3830683.831	3803786.696	26897.136
		1993	5076567.803	5013752.402	62815.401
		1994	6292145.526	6174521.349	117624.177
		1995	7485537.010	7291613.736	193923.274
		1996	8655955.028	8363484.555	292470.473
		1997	9791729.713	9379568.653	412161.060
		1998	10899134.186	10347534.742	551599.444
		1999	12070409.674	11333258.066	737151.608
		2000	13231384.595	12285353.508	946031.087
		2001	14371761.018	13194046.777	1177714.24
		2002	15508906.386	14072946.052	1435960.33
		2003	16638100.422	14921489.488	1716610.93
		2004	17736465.088	15726540.215	2009924.87
		2005	18834658.606	16511583.186	2323075.42
		2006	19909100.501	17256142.180	2652958.32
		2007	20958321.463	17965735.523	2992585.94
		2008	22000068.148	18655643.356	3344424.79
		2009	23018816.903	19315719.113	3703097.79
		2010	24018480.537	19948052.335	4070428.20
		2011	25003034.574	20556234.236	4446800.34
		2012	25969871.429	21138722.121	4831149.31
		2013	26920275.180	21697486.402	5222788.78
		2014	27849005.227	22230059.027	5618946.20
		2015	28749620.400	22737966.499	6011653.90
		2016	29622417.562	23214205.443	6408212.12
		2017	30462559.724	23659528.665	6803031.06
		2018	31293299.299	24094809.457	7198489.84
		2019	32109993.427	24514391.156	7595602.27
		2020	32883323.977	24909009.567	7974314.41
		2021	33610102.554	25263549.502	8346553.05
		2022	34322010.448	25603507.201	8718503.25
		2023	35018383.550	25929009.915	9089373.63
		2024	35700177.955	26241288.843	9458889.11
		2025	36315500.346	26524488.285	9791012.06
		2026	36896159.343	26777648.507	10118510.8
		2027	37462570.116	27019573.996	10442996.1
		2028	38015337.780	27250087.259	10765250.5
		2029	38554814.764	27470792.778	11084022.0
		2030	39003805.400	27658029.394	11345776.0
		2031	39436509.703	27828248.187	11608261.5
2032	39858470.458	27990803.552	11867666.9		
2033	40270147.082	28145081.038	12125066.0		
2034	40672665.743	28293310.977	12379354.8		
2035	40962732.664	28403428.313	12559304.4		
2036	41255021.653	28509328.687	12745693.0		
2037	41540573.023	28611002.642	12929570.4		
2038	41820158.066	28707860.903	13112297.2		
2039	42093547.949	28801171.398	13292376.6		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1180081.523	2489.729	
1992		1777346.679	1767923.367	9423.312	
1993		2380261.899	2357701.802	22560.097	
1994		2983130.039	2939937.013	43193.026	
1995		3588982.584	3516621.429	72361.155	
1996		4195430.235	4083601.617	111828.618	
1997		4793866.694	4634082.573	159784.122	
1998		5389747.381	5172595.020	217152.361	
1999		6006722.467	5715462.537	291259.930	
2000		6625758.871	6250151.036	375607.835	
2001		7245135.411	6773230.219	471905.192	
2002		7867492.021	7286988.707	580503.314	
2003		8485051.793	7786100.560	698951.233	
2004		9092994.774	8266967.897	826026.877	
2005		9706032.803	8741710.284	964322.520	
2006		10311907.548	9200169.066	1111738.48	
2007		10909437.502	9643859.975	1265577.53	
2008		11506462.491	10075753.555	1430708.94	
2009		12098393.287	10496708.454	1601684.83	
2010		12681188.981	10902148.293	1779040.69	

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

		2011	13260062.991	11295381.691	1964681.30
		2012	13839417.441	11679593.934	2159823.51
		2013	14409614.758	12050231.126	2359383.63
		2014	14976658.746	12408907.031	2567751.71
		2015	15529977.821	12751941.063	2778036.76
		2016	16066640.764	13075770.530	2990870.23
		2017	16590035.078	13383974.805	3206060.27
		2018	17098716.137	13680044.979	3418671.16
		2019	17599868.850	13965382.745	3634486.10
		2020	18081346.241	14235928.155	3845418.09
		2021	18537594.460	14484690.173	4052904.29
		2022	18985300.234	14723519.725	4261780.51
		2023	19423958.747	14952752.328	4471206.42
		2024	19853347.772	15172045.215	4681302.56
		2025	20252822.245	15374456.127	4878366.12
		2026	20619307.063	15554213.791	5065093.27
		2027	20976063.406	15725397.080	5250666.33
		2028	21323641.947	15888923.024	5434718.92
		2029	21662117.106	16044499.235	5617617.87
		2030	21960971.694	16181376.617	5779595.08
		2031	22224951.983	16297532.651	5927419.33
		2032	22480397.853	16407464.328	6072933.53
		2033	22728639.455	16512158.087	6216481.37
		2034	22970448.888	16611528.933	6358919.95
		2035	23164154.188	16690970.259	6473183.93
		2036	23334538.616	16758144.519	6576394.10
		2037	23499760.723	16822084.022	6677676.70
		2038	23660308.401	16883247.318	6777061.08
		2039	23817891.273	16941976.028	6875915.24
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177198.240	545.872
		1992	1750034.892	1747988.578	2046.314
		1993	2319752.308	2314791.185	4961.123
		1994	2872597.339	2863022.678	9574.661
		1995	3411494.825	3395279.804	16215.022
		1996	3945569.726	3920057.798	25511.928
		1997	4463316.362	4425904.675	37411.688
		1998	4975301.180	4922872.498	52428.682
		1999	5473691.125	5402975.098	70716.026
		2000	5977500.570	5884103.927	93396.643
		2001	6474795.516	6354428.686	120366.830
		2002	6968769.705	6816658.282	152111.423
		2003	7460282.140	7271120.277	189161.863
		2004	7947048.275	7715722.719	231325.556
		2005	8430571.669	8151677.579	278894.090
		2006	8903945.390	8572329.622	331615.768
		2007	9364177.982	8975273.259	388904.723
		2008	9822525.458	9369902.664	452622.795
		2009	10275228.886	9753177.840	522051.046
		2010	10720275.500	10123666.653	596608.847
		2011	11155356.373	10479420.924	675935.449
		2012	11582611.617	10821610.302	761001.314
		2013	11998803.791	11148251.570	850552.221
		2014	12402087.090	11458432.550	943654.540
		2015	12793451.706	11753693.275	1039758.43
		2016	13160101.653	12024215.232	1135886.42
		2017	13503583.414	12272041.248	1231542.17
		2018	13859755.737	12522169.975	1337585.76
		2019	14211625.176	12763470.874	1448154.30
		2020	14553935.288	12993450.393	1560484.90
		2021	14851747.495	13188551.204	1663196.29
		2022	15144531.004	13375570.728	1768960.28
		2023	15431932.496	13554631.848	1877300.65
		2024	15713920.740	13726100.470	1987820.27
		2025	15979112.816	13884749.186	2094363.63
		2026	16206550.153	14016609.203	2189940.95
		2027	16428826.050	14142254.313	2286571.74
		2028	16645902.186	14261868.463	2384033.72
		2029	16858126.517	14376173.188	2481953.33
		2030	17045220.687	14476057.030	2569163.66
		2031	17208482.610	14560155.513	2648327.10
		2032	17367586.074	14640341.179	2727244.90
		2033	17522716.280	14716485.356	2806230.92
		2034	17674226.555	14789433.634	2884792.92
		2035	17792201.734	14845970.979	2946230.76
		2036	17903508.236	14897763.203	3005745.03
		2037	18012162.345	14947429.759	3064732.59
		2038	18118464.470	14994726.702	3123737.77

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

	Female	2039	18222549.860	15040313.502	3182236.36
		1990	307897.357	307897.357	0.000
		1991	616547.418	616197.940	349.478
		1992	931086.773	929704.919	1381.855
		1993	1246155.671	1242758.600	3397.071
		1994	1561212.934	1554538.166	6674.768
		1995	1879967.742	1868372.608	11595.134
		1996	2197488.109	2179108.218	18379.891
		1997	2515698.453	2488334.583	27363.869
		1998	2836249.556	2797450.302	38799.254
		1999	3150201.390	3097550.140	52651.249
		2000	3472722.342	3403000.568	69721.775
		2001	3796994.889	3706756.269	90238.620
		2002	4126619.935	4011877.447	114742.488
		2003	4454982.533	4312105.879	142876.654
		2004	4784343.030	4609124.130	175218.900
		2005	5113443.121	4901714.150	211728.970
		2006	5442543.963	5189511.979	253031.984
		2007	5772441.497	5473311.123	299130.373
		2008	6091911.943	5743368.038	348543.905
		2009	6413671.330	6010179.754	403491.576
		2010	6730763.530	6268536.211	462227.319
		2011	7043614.101	6518340.771	525273.330
		2012	7356270.780	6762903.663	593367.117
		2013	7662551.964	6997506.856	665045.108
		2014	7964551.465	7223942.283	740609.182
		2015	8254895.403	7437602.737	817292.666
		2016	8530661.848	7635824.979	894836.869
		2017	8795826.122	7822270.477	973555.645
		2018	9067233.707	8008186.138	1059047.57
		2019	9335343.270	8187361.031	1147982.24
		2020	9596110.883	8358049.520	1238061.36
		2021	9833186.859	8510013.124	1323173.74
		2022	10066452.037	8655819.521	1410632.52
		2023	10295503.609	8795631.306	1499872.30
		2024	10520125.318	8929257.879	1590867.44
		2025	10731915.863	9053040.784	1678875.08
		2026	10917495.549	9159030.869	1758464.68
		2027	11098620.885	9259881.536	1838739.35
		2028	11275441.234	9356144.584	1919296.65
		2029	11447962.710	9447664.972	2000297.74
		2030	11601867.623	9528254.180	2073613.44
		2031	11731666.516	9594279.001	2137387.52
		2032	11857585.969	9656800.425	2200785.54
		2033	11980128.625	9716342.411	2263786.21
		2034	12099562.464	9772889.067	2326673.40
		2035	12195919.946	9817915.024	2378004.92
		2036	12278201.969	9855287.107	2422914.86
		2037	12358146.336	9890957.070	2467189.27
		2038	12435978.633	9925135.159	2510843.47
		2039	12512468.845	9958008.328	2554460.52
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1013277.589	5941.806
		1992	1509598.614	1487623.304	21975.310
		1993	1992735.299	1941759.510	50975.789
		1994	2462877.575	2368164.106	94713.469
		1995	2928249.390	2773082.404	155166.985
		1996	3377377.730	3145160.614	232217.115
		1997	3809062.472	3484427.749	324634.723
		1998	4222213.867	3791478.696	430735.172
		1999	4708317.743	4131839.219	576478.525
		2000	5182084.396	4444746.048	737338.348
		2001	5644097.705	4730613.824	913483.880
		2002	6107232.129	4999365.195	1107866.93
		2003	6561785.704	5246799.928	1314985.78
		2004	6996156.348	5469299.125	1526857.22
		2005	7426261.361	5677356.900	1748904.46
		2006	7849012.694	5869712.386	1979300.31
		2007	8255300.530	6044671.139	2210629.39
		2008	8650662.040	6206539.965	2444122.07
		2009	9030818.513	6355100.189	2675718.32
		2010	9403026.327	6494318.234	2908708.09
		2011	9767535.506	6624834.181	3142701.32
		2012	10123044.281	6747249.738	3375794.54
		2013	10470104.786	6862359.136	3607745.65
		2014	10807756.112	6970717.216	3837038.90
		2015	11130681.425	7071439.552	4059241.87
		2016	11448966.506	7167907.563	4281058.94

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

		2017	11758164.882	7259262.519	4498902.36
		2018	12054448.241	7344546.142	4709902.10
		2019	12341606.261	7425688.908	4915917.35
		2020	12600728.939	7497537.223	5103191.72
		2021	12861767.105	7568641.526	5293125.58
		2022	13114168.616	7636222.417	5477946.20
		2023	13357894.797	7700299.344	5657595.45
		2024	13593848.521	7761621.974	5832226.55
		2025	13789177.359	7811789.869	5977387.49
		2026	13993401.656	7863800.867	6129600.79
		2027	14190519.224	7913669.144	6276850.08
		2028	14381193.356	7960976.575	6420216.78
		2029	14565171.927	8006308.006	6558863.92
		2030	14697381.605	8038611.461	6658770.14
		2031	14842203.512	8073945.359	6768258.15
		2032	14982485.826	8107850.206	6874635.62
		2033	15118410.647	8139852.616	6978558.03
		2034	15250284.398	8170873.252	7079411.15
		2035	15322911.166	8187487.637	7135423.53
		2036	15405115.031	8206167.935	7198947.10
		2037	15484709.137	8224178.758	7260530.38
		2038	15561812.193	8241229.284	7320582.91
		2039	15635992.616	8257558.569	7378434.05
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293556.150	1566.312
		1992	439962.920	434119.281	5843.639
		1993	584735.615	570921.745	13813.871
		1994	727640.783	701591.664	26049.119
		1995	868486.937	825565.646	42921.291
		1996	1010321.847	944663.934	65657.913
		1997	1144230.930	1052105.512	92125.417
		1998	1274513.622	1151381.463	123132.159
		1999	1426725.938	1261311.647	165414.290
		2000	1573462.680	1361764.684	211697.996
		2001	1719132.015	1455109.357	264022.658
		2002	1863006.732	1541524.664	321482.067
		2003	2002943.227	1620404.971	382538.257
		2004	2137798.705	1691814.519	445984.186
		2005	2271071.245	1758532.971	512538.274
		2006	2400707.731	1819441.871	581265.860
		2007	2523634.512	1874132.834	649501.678
		2008	2648752.232	1926839.659	721912.574
		2009	2765973.961	1974024.984	791948.977
		2010	2881329.235	2018463.839	862865.395
		2011	2994972.694	2060256.588	934716.105
		2012	3108958.829	2100407.247	1008551.58
		2013	3218140.416	2137683.327	1080457.09
		2014	3328387.914	2174015.024	1154372.89
		2015	3435342.796	2208325.480	1227017.32
		2016	3539189.408	2240677.283	1298512.12
		2017	3640041.363	2271240.941	1368800.42
		2018	3732645.362	2298638.221	1434007.14
		2019	3821421.978	2324331.033	1497090.95
		2020	3902115.950	2347172.948	1554943.00
		2021	3984301.053	2370010.089	1614290.96
		2022	4062629.299	2391407.358	1671221.94
		2023	4137348.729	2411575.429	1725773.30
		2024	4208611.493	2430536.804	1778074.69
		2025	4269419.492	2446483.793	1822935.70
		2026	4330969.998	2462450.414	1868519.58
		2027	4389134.306	2477429.945	1911704.36
		2028	4444222.970	2491549.879	1952673.09
		2029	4496447.877	2504854.785	1991593.09
		2030	4536975.698	2514932.766	2022042.93
		2031	4578338.586	2525217.567	2053121.02
		2032	4617397.784	2534942.452	2082455.33
		2033	4654407.697	2544180.675	2110227.02
		2034	4689913.454	2552978.373	2136935.08
		2035	4712518.190	2558306.748	2154211.44
		2036	4735845.827	2563784.328	2172061.50
		2037	4757958.806	2568987.344	2188971.46
		2038	4778813.806	2573953.376	2204860.43
		2039	4798769.065	2578707.451	2220061.61
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148857.579	605.438
		1992	222966.278	220721.965	2244.314
		1993	296801.879	291467.927	5333.952
		1994	372453.706	362145.505	10308.201

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

	1995	448401.338	431007.002	17394.336
	1996	523536.301	496827.046	26709.255
	1997	596763.211	558522.825	38240.386
	1998	667546.681	615720.747	51825.934
	1999	734925.407	667805.227	67120.180
	2000	803749.361	718627.813	85121.548
	2001	870081.588	765179.394	104902.194
	2002	935347.140	808714.260	126632.880
	2003	1001627.349	850532.765	151094.584
	2004	1066587.976	889424.734	177163.242
	2005	1130548.052	925663.208	204884.844
	2006	1195132.454	960266.693	234865.761
	2007	1258974.043	992652.828	266321.215
	2008	1320124.867	1021991.662	298133.205
	2009	1380776.123	1049634.391	331141.732
	2010	1440048.533	1075368.935	364679.598
	2011	1497484.847	1099152.675	398332.172
	2012	1554496.526	1121593.155	432903.371
	2013	1610819.598	1142775.708	468043.890
	2014	1667484.890	1163136.212	504348.678
	2015	1720948.287	1181676.465	539271.822
	2016	1775699.228	1199931.408	575767.820
	2017	1830250.175	1217471.218	612778.957
	2018	1875958.950	1231696.331	644262.619
	2019	1920359.232	1245113.160	675246.072
	2020	1960605.297	1256983.300	703621.997
	2021	1998912.887	1267963.808	730949.080
	2022	2036003.696	1278308.644	757695.052
	2023	2071857.536	1288065.556	783791.981
	2024	2106636.468	1297348.571	809287.898
	2025	2136450.873	1305173.094	831277.779
	2026	2164796.470	1312469.581	852326.889
	2027	2192079.608	1319404.454	872675.154
	2028	2218404.367	1325954.434	892449.933
	2029	2243769.140	1332197.113	911572.028
	2030	2263570.213	1337009.147	926561.065
	2031	2282521.590	1341565.518	940956.072
	2032	2300804.945	1345904.733	954900.212
	2033	2318464.018	1350014.061	968449.957
	2034	2335611.973	1353976.823	981635.149
	2035	2347097.290	1356605.120	990492.171
	2036	2358248.747	1359132.942	999115.805
	2037	2369033.655	1361569.708	1007463.95
	2038	2379490.114	1363884.448	1015605.67
	2039	2389546.238	1366094.898	1023451.34
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110439.237	432.625
	1992	165654.454	163993.818	1660.637
	1993	220008.519	216044.926	3963.593
	1994	275706.807	268010.922	7695.885
	1995	331417.547	318447.163	12970.384
	1996	387580.161	367525.020	20055.141
	1997	442778.242	413949.262	28828.979
	1998	496117.305	457013.021	39104.283
	1999	548268.214	497317.503	50950.712
	2000	601693.202	536812.404	64880.798
	2001	652221.103	572399.460	79821.643
	2002	703022.600	606373.487	96649.113
	2003	752023.351	637466.712	114556.639
	2004	799826.733	666189.091	133637.641
	2005	847563.928	693415.065	154148.863
	2006	894205.027	718611.466	175593.561
	2007	939571.282	741827.122	197744.160
	2008	983437.578	763143.891	220293.687
	2009	1025803.786	782738.638	243065.148
	2010	1066964.934	800841.190	266123.744
	2011	1106954.044	817587.113	289366.931
	2012	1146108.461	833253.697	312854.764
	2013	1183544.689	847622.412	335922.277
	2014	1221220.945	861465.139	359755.807
	2015	1258289.311	874628.356	383660.956
	2016	1294830.207	887134.550	407695.657
	2017	1330332.626	898866.053	431466.573
	2018	1360571.987	908566.284	452005.703
	2019	1389848.723	917659.889	472188.834
	2020	1416046.192	925588.319	490457.873
	2021	1440588.850	932813.597	507775.253
	2022	1464157.934	939587.274	524570.661

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

COPD	Males	2023	1486810.237	945981.036	540829.201
		2024	1508591.729	951994.377	556597.352
		2025	1526875.621	956956.053	569919.568
		2026	1543659.810	961428.572	582231.237
		2027	1559623.774	965629.144	593994.631
		2028	1574852.850	969593.698	605259.152
		2029	1589437.452	973339.580	616097.872
		2030	1600568.199	976134.496	624433.704
		2031	1610776.297	978685.277	632091.019
		2032	1620483.563	981102.332	639381.231
		2033	1629745.442	983403.481	646341.962
		2034	1638721.425	985603.346	653118.079
		2035	1644649.404	987008.584	657640.820
		2036	1650181.590	988309.443	661872.147
		2037	1655476.066	989553.766	665922.300
		2038	1660507.914	990750.023	669757.891
		2039	1665361.569	991903.153	673458.416
		1990	117002.906	117002.906	0.000
		1991	233438.833	233267.082	171.751
		1992	348084.047	347452.849	631.199
		1993	467278.318	465733.780	1544.537
		1994	584216.907	581189.060	3027.847
		1995	697391.457	692244.526	5146.931
		1996	809471.271	801439.096	8032.175
		1997	922587.668	910713.404	11874.264
		1998	1034072.457	1017462.801	16609.656
		1999	1153475.399	1130638.522	22836.877
		2000	1268050.268	1237875.721	30174.547
		2001	1382786.209	1343824.873	38961.337
		2002	1497557.412	1448208.314	49349.097
		2003	1614405.229	1553036.518	61368.711
		2004	1726672.489	1652093.638	74578.851
		2005	1847277.524	1756885.500	90392.025
		2006	1961009.963	1853833.480	107176.484
		2007	2079868.908	1953138.296	126730.612
		2008	2206755.783	2057209.066	149546.717
		2009	2331993.380	2157806.692	174186.688
		2010	2455130.176	2254698.513	200431.663
		2011	2582657.849	2352826.457	229831.392
		2012	2709719.005	2448268.926	261450.079
2013	2840547.005	2544099.988	296447.017		
2014	2971677.135	2637773.048	333904.087		
2015	3104538.983	2731157.208	373381.775		
2016	3237650.175	2822151.240	415498.936		
2017	3370561.253	2910753.680	459807.573		
2018	3503136.371	2996397.009	506739.362		
2019	3636402.758	3080118.214	556284.544		
2020	3768054.453	3161038.652	607015.801		
2021	3897675.067	3238392.964	659282.102		
2022	4027307.132	3313405.411	713901.721		
2023	4156698.720	3386013.168	770685.552		
2024	4285772.226	3456217.828	829554.398		
2025	4410759.298	3522776.136	887983.162		
2026	4531411.064	3584768.857	946642.208		
2027	4651145.233	3644246.085	1006899.15		
2028	4769837.872	3701287.788	1068550.08		
2029	4887747.179	3756114.471	1131632.71		
2030	4997632.895	3806351.755	1191281.14		
2031	5103301.991	3852581.797	1250720.19		
2032	5207593.613	3896707.434	1310886.18		
2033	5310556.138	3938729.005	1371827.13		
2034	5412542.816	3979027.268	1433515.55		
2035	5500522.473	4013364.578	1487157.90		
2036	5588149.640	4046264.606	1541885.03		
2037	5674667.886	4077824.418	1596843.47		
2038	5760391.289	4108020.469	1652370.82		
2039	5845459.234	4137204.429	1708254.81		
1990	77434.846	77434.846	0.000		
1991	160029.510	159888.196	141.314		
1992	240642.531	240105.349	537.182		
1993	329362.093	327976.532	1385.562		
1994	418569.515	415796.261	2773.254		
1995	509110.357	504236.012	4874.345		
1996	600040.117	592304.444	7735.673		
1997	691159.071	679693.215	11465.855		
1998	782866.899	766750.234	16116.665		
1999	881526.925	859283.246	22243.679		
2000	977880.647	948573.381	29307.266		

Female

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

2001	1076787.404	1038965.134	37822.270
2002	1174842.754	1127213.108	47629.646
2003	1275102.681	1216122.999	58979.682
2004	1371026.306	1299840.157	71186.149
2005	1473954.509	1388048.096	85906.413
2006	1574450.828	1472603.750	101847.078
2007	1673790.211	1554588.896	119201.316
2008	1782360.738	1642401.967	139958.770
2009	1892944.209	1729765.078	163179.132
2010	2002131.282	1814307.053	187824.229
2011	2114522.152	1899197.218	215324.935
2012	2228079.372	1983029.326	245050.045
2013	2345377.689	2067418.531	277959.158
2014	2462498.422	2149484.585	313013.837
2015	2581450.312	2231384.491	350065.821
2016	2701959.301	2312133.718	389825.583
2017	2823834.967	2391597.334	432237.633
2018	2938265.081	2464654.336	473610.744
2019	3053254.880	2536030.792	517224.087
2020	3167073.216	2605117.367	561955.848
2021	3279517.699	2671853.363	607664.336
2022	3392060.964	2736705.572	655355.391
2023	3504296.171	2799564.556	704731.616
2024	3616019.231	2860256.154	755763.077
2025	3724611.269	2917975.498	806635.772
2026	3827181.707	2971303.935	855877.772
2027	3928684.441	3022456.455	906227.985
2028	4029124.892	3071634.863	957490.030
2029	4128269.068	3118639.898	1009629.17
2030	4221560.174	3162055.176	1059505.00
2031	4304170.584	3199350.806	1104819.78
2032	4384930.537	3234619.119	1150311.42
2033	4464357.691	3268231.520	1196126.17
2034	4542251.545	3300058.147	1242193.40
2035	4611066.648	3327739.903	1283326.75
2036	4670309.230	3350763.641	1319545.59
2037	4728179.514	3372585.843	1355593.67
2038	4785008.048	3393408.760	1391599.29
2039	4841291.793	3413357.096	1427934.70

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	283513.526	160397.508
		35-39	1146798.555	727878.348	418920.207
		40-44	2609591.408	1628749.640	980841.768
		45-49	4775841.753	2953797.370	1822044.38
		50-54	7446969.205	4724153.214	2722815.99
		55-59	8240205.925	5539925.361	2700280.56
		60-64	8772829.118	6224787.137	2548041.98
		65-69	6161494.678	4671962.439	1489532.24
		70-74	2495906.274	1934299.659	561606.615
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	160891.837	68248.724
		35-39	570217.942	396419.543	173798.399
		40-44	1267538.938	866551.970	400986.968
		45-49	2340070.698	1587299.227	752771.471
		50-54	3743803.613	2554271.088	1189532.52
		55-59	4591478.168	3222652.995	1368825.17
		60-64	5207367.788	3737506.825	1469860.96
		65-69	4092181.394	3045173.491	1047007.90
70-74		1776092.171	1330712.725	445379.446	
Lung cancer	Males	30-34	66065.017	55923.424	10141.594
		35-39	232509.414	197942.556	34566.858
		40-44	688628.041	577977.753	110650.288
		45-49	1528300.367	1256476.601	271823.766
		50-54	2730187.229	2221271.851	508915.379
		55-59	3909101.673	3164448.008	744653.665
		60-64	4287716.660	3527101.325	760615.335
		65-69	3467897.115	2878363.954	589533.161
		70-74	1312144.343	1097653.190	214491.153
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	43821.526	8091.587
		35-39	189792.904	160431.387	29361.517
		40-44	527596.573	434094.706	93501.867
		45-49	1122524.269	901483.801	221040.468
		50-54	1882214.322	1489859.661	392354.661
		55-59	2595581.943	2034081.135	561500.808
		60-64	2846273.090	2249959.482	596313.608
		65-69	2358758.394	1871965.494	486792.899
70-74		937814.238	747828.673	189985.564	
IHD	Males	30-34	263834.566	149796.859	114037.707
		35-39	692140.150	380610.015	311530.135
		40-44	1519708.432	788048.033	731660.400
		45-49	2568546.697	1262234.215	1306312.48
		50-54	3632929.903	1823612.815	1809317.09
		55-59	2807892.356	1416050.153	1391842.20
		60-64	2599825.934	1451632.196	1148193.74
		65-69	1113578.307	674122.336	439455.971
		70-74	437536.271	291403.841	146132.430
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	46818.087	32831.009
		35-39	193965.908	105512.829	88453.079
		40-44	403380.974	204868.837	198512.137
		45-49	671385.408	325592.497	345792.911
		50-54	1011875.989	508623.517	503252.473
		55-59	849875.715	437843.253	412032.463
		60-64	925490.876	525205.976	400284.901
		65-69	455463.881	281683.242	173780.639
70-74		207681.216	139348.514	68332.703	
Stroke	Males	30-34	73463.650	48866.726	24596.924
		35-39	151934.057	98875.261	53058.796
		40-44	262845.974	164537.534	98308.441
		45-49	383421.246	228863.438	154557.808
		50-54	479872.634	268361.358	211511.275
		55-59	437124.903	230192.861	206932.042
		60-64	419457.235	223297.609	196159.625
		65-69	128180.574	69294.513	58886.061
		70-74	53245.965	30573.533	22672.432
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	44427.246	18491.844

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

		35-39	120806.205	81870.597	38935.609
		40-44	203391.885	130620.369	72771.516
		45-49	278172.097	169570.488	108601.610
		50-54	325979.181	189257.248	136721.933
		55-59	275161.340	151913.223	123248.117
		60-64	268920.493	149330.635	119589.858
		65-69	87956.054	49573.016	38383.037
		70-74	42055.224	24354.955	17700.269
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	28926.517	11621.284
		35-39	70214.933	50450.515	19764.418
		40-44	138408.960	98186.321	40222.640
		45-49	295573.443	206223.116	89350.327
		50-54	603979.438	410907.190	193072.248
		55-59	1086086.992	729234.339	356852.653
		60-64	1465829.290	1022756.008	443073.282
		65-69	1451838.682	1050181.636	401657.046
		70-74	692979.695	514669.095	178310.599
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	25824.977	8834.284
		35-39	65652.924	48604.731	17048.194
		40-44	133169.505	96968.058	36201.447
		45-49	267988.924	190652.442	77336.483
		50-54	523734.121	366530.662	157203.458
		55-59	870859.170	598815.385	272043.785
		60-64	1166683.329	813010.733	353672.596
		65-69	1190003.066	841951.738	348051.328
		70-74	588541.493	419180.583	169360.910
		75-79	0.000	0.000	0.000

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	283533.737	160377.297
		35-39	1146798.555	728031.146	418767.409
		40-44	2609591.408	1629739.737	979851.671
		45-49	4775841.753	2958159.795	1817681.96
		50-54	7446969.205	4737290.061	2709679.14
		55-59	8240205.925	5560248.758	2679957.17
		60-64	8772829.118	6257475.672	2515353.45
		65-69	6161494.678	4698289.641	1463205.04
		70-74	2495906.274	1948402.852	547503.421
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	160896.501	68244.060
		35-39	570217.942	396454.180	173763.762
		40-44	1267538.938	866773.267	400765.670
		45-49	2340070.698	1588278.926	751791.772
		50-54	3743803.613	2557395.308	1186408.30
		55-59	4591478.168	3228620.118	1362858.05
		60-64	5207367.788	3748663.479	1458704.31
		65-69	4092181.394	3056795.802	1035385.59
70-74		1776092.171	1338098.446	437993.725	
Lung cancer	Males	30-34	66065.017	55927.195	10137.822
		35-39	232509.414	197983.232	34526.183
		40-44	688628.041	578330.639	110297.403
		45-49	1528300.367	1258365.639	269934.728
		50-54	2730187.229	2227519.492	502667.737
		55-59	3909101.673	3176214.838	732886.835
		60-64	4287716.660	3545936.208	741780.452
		65-69	3467897.115	2894407.569	573489.546
		70-74	1312144.343	1105628.691	206515.653
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	43822.855	8090.257
		35-39	189792.904	160445.486	29347.418
		40-44	527596.573	434208.972	93387.602
		45-49	1122524.269	902052.848	220471.421
		50-54	1882214.322	1491724.974	390489.348
		55-59	2595581.943	2037918.920	557663.023
		60-64	2846273.090	2256825.452	589447.637
		65-69	2358758.394	1879052.199	479706.195
70-74		937814.238	751956.622	185857.616	
IHD	Males	30-34	263834.566	149808.016	114026.550
		35-39	692140.150	380690.427	311449.724
		40-44	1519708.432	788519.675	731188.757
		45-49	2568546.697	1264012.196	1304534.50
		50-54	3632929.903	1828285.115	1804644.79
		55-59	2807892.356	1420233.199	1387659.16
		60-64	2599825.934	1457160.471	1142665.46
		65-69	1113578.307	676344.771	437233.536
		70-74	437536.271	292504.699	145031.572
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	46819.543	32829.554
		35-39	193965.908	105522.543	88443.365
		40-44	403380.974	204920.532	198460.442
		45-49	671385.408	325779.141	345606.267
		50-54	1011875.989	509157.987	502718.003
		55-59	849875.715	438422.817	411452.898
		60-64	925490.876	526189.092	399301.784
		65-69	455463.881	282210.076	173253.806
70-74		207681.216	139685.721	67995.495	
Stroke	Males	30-34	73463.650	48869.745	24593.905
		35-39	151934.057	98894.191	53039.866
		40-44	262845.974	164627.468	98218.506
		45-49	383421.246	229164.222	154257.024
		50-54	479872.634	269034.434	210838.199
		55-59	437124.903	230929.838	206195.066
		60-64	419457.235	224294.742	195162.492
		65-69	128180.574	69569.132	58611.442
		70-74	53245.965	30711.126	22534.839
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	44428.314	18490.776

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_1.RTF)

		35-39	120806.205	81876.591	38929.614
		40-44	203391.885	130647.359	72744.526
		45-49	278172.097	169653.514	108518.583
		50-54	325979.181	189436.981	136542.200
		55-59	275161.340	152117.284	123044.056
		60-64	268920.493	149638.432	119282.061
		65-69	87956.054	49679.938	38276.116
		70-74	42055.224	24424.740	17630.484
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	28928.781	11619.020
		35-39	70214.933	50463.296	19751.637
		40-44	138408.960	98261.955	40147.006
		45-49	295573.443	206617.738	88955.705
		50-54	603979.438	412451.019	191528.419
		55-59	1086086.992	732870.883	353216.109
		60-64	1465829.290	1030084.251	435745.039
		65-69	1451838.682	1057968.169	393870.513
		70-74	692979.695	519558.337	173421.357
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	25825.788	8833.473
		35-39	65652.924	48609.560	17043.365
		40-44	133169.505	96996.404	36173.101
		45-49	267988.924	190793.424	77195.500
		50-54	523734.121	367075.367	156658.754
		55-59	870859.170	600161.097	270698.073
		60-64	1166683.329	816010.503	350672.826
		65-69	1190003.066	845853.589	344149.476
		70-74	588541.493	422031.364	166510.130
		75-79	0.000	0.000	0.000

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

Estimated Loss of Life from the E Component for Run: 10, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	30897261.850	11196286.1
	Female	2039	23817891.273	18078316.674	5739574.60
Lung cancer	Males	2039	18222549.860	15637008.994	2585540.87
	Female	2039	12512468.845	10449198.497	2063270.35
IHD	Males	2039	15635992.616	9364515.440	6271477.18
	Female	2039	4798769.065	2912686.826	1886082.24
Stroke	Males	2039	2389546.238	1509079.047	880467.191
	Female	2039	1665361.569	1087756.438	577605.132
COPD	Males	2039	5845459.234	4386658.369	1458800.86
	Female	2039	4841291.793	3628674.913	1212616.88

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	31007525.489	11086022.5
	Female	2039	23817891.273	18117679.616	5700211.66
Lung cancer	Males	2039	18222549.860	15696452.746	2526097.11
	Female	2039	12512468.845	10472510.247	2039958.60
IHD	Males	2039	15635992.616	9387116.215	6248876.40
	Female	2039	4798769.065	2916302.206	1882466.86
Stroke	Males	2039	2389546.238	1512599.236	876947.002
	Female	2039	1665361.569	1088829.596	576531.973
COPD	Males	2039	5845459.234	4411357.293	1434101.94
	Female	2039	4841291.793	3640037.567	1201254.23

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2573535.547	6329.810
		1992	3830683.831	3807303.915	23379.916
		1993	5076567.803	5022083.459	54484.343
		1994	6292145.526	6190327.127	101818.399
		1995	7485537.010	7318039.097	167497.913
		1996	8655955.028	8403878.256	252076.772
		1997	9791729.713	9437149.750	354579.963
		1998	10899134.186	10425445.965	473688.221
		1999	12070409.674	11438625.184	631784.491
		2000	13231384.595	12421969.320	809415.276
		2001	14371761.018	13365669.589	1006091.43
		2002	15508906.386	14283893.463	1225012.92
		2003	16638100.422	15175511.221	1462589.20
		2004	17736465.088	16025736.363	1710728.73
		2005	18834658.606	16859186.657	1975471.95
		2006	19909100.501	17655078.646	2254021.86
		2007	20958321.463	18417592.799	2540728.66
		2008	22000068.148	19162482.847	2837585.30
		2009	23018816.903	19878755.789	3140061.11
		2010	24018480.537	20568809.583	3449670.95
		2011	25003034.574	21236231.270	3766803.30
		2012	25969871.429	21879256.148	4090615.28
		2013	26920275.180	22499767.699	4420507.48
		2014	27849005.227	23094846.243	4754158.98
		2015	28749620.400	23664774.627	5084845.77
		2016	29622417.562	24203744.280	5418673.28
		2017	30462559.724	24711400.112	5751159.61
		2018	31293299.299	25209851.671	6083447.63
		2019	32109993.427	25693196.545	6416796.88
		2020	32883323.977	26148844.212	6734479.77
		2021	33610102.554	26563159.190	7046943.36
		2022	34322010.448	26962893.715	7359116.73
		2023	35018383.550	27348180.315	7670203.23
		2024	35700177.955	27720245.918	7979932.04
		2025	36315500.346	28057446.715	8258053.63
		2026	36896159.343	28363493.362	8532665.98
		2027	37462570.116	28657910.647	8804659.47
		2028	38015337.780	28940400.340	9074937.44
		2029	38554814.764	29212716.209	9342098.56
		2030	39003805.400	29442622.563	9561182.84
2031	39436509.703	29655240.396	9781269.31		
2032	39858470.458	29859625.092	9998845.37		
2033	40270147.082	30054991.079	10215156.0		
2034	40672665.743	30243984.638	10428681.1		
2035	40962732.664	30383163.550	10579569.1		
2036	41255021.653	30518882.612	10736139.0		
2037	41540573.023	30649939.995	10890633.0		
2038	41820158.066	30775564.867	11044593.2		
2039	42093547.949	30897261.850	11196286.1		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1180397.437	2173.815
		1992	1777346.679	1769130.989	8215.690
		1993	2380261.899	2360617.361	19644.538
		1994	2983130.039	2945560.465	37569.574
		1995	3588982.584	3526129.060	62853.524
		1996	4195430.235	4098432.850	96997.385
		1997	4793866.694	4655446.084	138420.610
		1998	5389747.381	5201858.830	187888.551
		1999	6006722.467	5755058.459	251664.008
		2000	6625758.871	6301651.442	324107.428
		2001	7245135.411	6838495.209	406640.202
		2002	7867492.021	7367950.889	499541.131
		2003	8485051.793	7884329.748	600722.045
		2004	9092994.774	8383904.278	709090.496
		2005	9706032.803	8879290.150	826742.653
		2006	10311907.548	9360007.372	951900.176
	2007	10909437.502	9827206.452	1082231.05	
	2008	11506462.491	10284508.874	1221953.62	
	2009	12098393.287	10732117.413	1366275.87	
	2010	12681188.981	11165549.356	1515639.62	

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

		2011	13260062.991	11588301.354	1671761.64
		2012	13839417.441	12003826.075	1835591.37
		2013	14409614.758	12406763.716	2002851.04
		2014	14976658.746	12799421.327	2177237.42
		2015	15529977.821	13176897.881	2353079.94
		2016	16066640.764	13535763.046	2530877.72
		2017	16590035.078	13879553.178	2710481.90
		2018	17098716.137	14211439.517	2887276.62
		2019	17599868.850	14533475.511	3066393.34
		2020	18081346.241	14840059.689	3241286.55
		2021	18537594.460	15124170.608	3413423.85
		2022	18985300.234	15398884.603	3586415.63
		2023	19423958.747	15664484.455	3759474.29
		2024	19853347.772	15920539.309	3932808.46
		2025	20252822.245	16157491.948	4095330.30
		2026	20619307.063	16369798.246	4249508.82
		2027	20976063.406	16573580.042	4402483.36
		2028	21323641.947	16769729.689	4553912.26
		2029	21662117.106	16957890.917	4704226.19
		2030	21960971.694	17123460.803	4837510.89
		2031	22224951.983	17265692.280	4959259.70
		2032	22480397.853	17401458.184	5078939.67
		2033	22728639.455	17531786.980	5196852.47
		2034	22970448.888	17656559.152	5313889.74
		2035	23164154.188	17756057.640	5408096.55
		2036	23334538.616	17841350.846	5493187.77
		2037	23499760.723	17923172.281	5576588.44
		2038	23660308.401	18002038.495	5658269.91
		2039	23817891.273	18078316.674	5739574.60
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177266.147	477.966
		1992	1750034.892	1748246.106	1788.786
		1993	2319752.308	2315414.841	4337.467
		1994	2872597.339	2864225.172	8372.167
		1995	3411494.825	3397319.954	14174.871
		1996	3945569.726	3923279.217	22290.509
		1997	4463316.362	4430651.908	32664.454
		1998	4975301.180	4929577.274	45723.906
		1999	5473691.125	5412099.008	61592.117
		2000	5977500.570	5896288.290	81212.280
		2001	6474795.516	6370326.246	104469.270
		2002	6968769.705	6837016.179	131753.526
		2003	7460282.140	7296821.008	163461.132
		2004	7947048.275	7747627.518	199420.757
		2005	8430571.669	8190750.447	239821.222
		2006	8903945.390	8619552.548	284392.842
		2007	9364177.982	9031525.390	332652.592
		2008	9822525.458	9436439.116	386086.342
		2009	10275228.886	9831157.387	444071.499
		2010	10720275.500	10214159.910	506115.590
		2011	11155356.373	10583487.637	571868.736
		2012	11582611.617	10940511.472	642100.145
		2013	11998803.791	11283027.879	715775.912
		2014	12402087.090	11609961.664	792125.426
		2015	12793451.706	11922721.840	870729.866
		2016	13160101.653	12211015.658	949085.995
		2017	13503583.414	12476707.964	1026875.45
		2018	13859755.737	12747004.487	1112751.25
		2019	14211625.176	13009577.128	1202048.05
		2020	14553935.288	13261349.569	1292585.72
		2021	14851747.495	13476582.743	1375164.75
		2022	15144531.004	13684482.608	1460048.40
		2023	15431932.496	13885166.161	1546766.33
		2024	15713920.740	14078858.935	1635061.81
		2025	15979112.816	14258989.620	1720123.20
		2026	16206550.153	14410284.374	1796265.78
		2027	16428826.050	14555617.838	1873208.21
		2028	16645902.186	14695162.890	1950739.30
		2029	16858126.517	14829570.897	2028555.62
		2030	17045220.687	14947303.818	2097916.87
		2031	17208482.610	15047731.230	2160751.38
		2032	17367586.074	15144204.153	2223381.92
		2033	17522716.280	15236568.260	2286148.02
		2034	17674226.555	15325686.175	2348540.38
		2035	17792201.734	15394749.163	2397452.57
		2036	17903508.236	15458746.693	2444761.54
		2037	18012162.345	15520470.769	2491691.58
		2038	18118464.470	15579652.891	2538811.58

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

	Female	2039	18222549.860	15637008.994	2585540.87
		1990	307897.357	307897.357	0.000
		1991	616547.418	616242.551	304.866
		1992	931086.773	929881.290	1205.483
		1993	1246155.671	1243191.646	2964.025
		1994	1561212.934	1555390.786	5822.149
		1995	1879967.742	1869861.857	10105.885
		1996	2197488.109	2181483.970	16004.139
		1997	2515698.453	2491895.062	23803.391
		1998	2836249.556	2802542.150	33707.406
		1999	3150201.390	3104527.133	45674.257
		2000	3472722.342	3412348.296	60374.046
		2001	3796994.889	3719011.581	77983.309
		2002	4126619.935	4027686.459	98933.477
		2003	4454982.533	4332071.369	122911.164
		2004	4784343.030	4633976.310	150366.720
		2005	5113443.121	4932238.961	181204.159
		2006	5442543.963	5226608.511	215935.452
		2007	5772441.497	5517909.836	254531.661
		2008	6091911.943	5796146.151	295765.792
		2009	6413671.330	6072268.466	341402.864
		2010	6730763.530	6340792.889	389970.641
		2011	7043614.101	6601700.884	441913.217
		2012	7356270.780	6858472.836	497797.944
		2013	7662551.964	7106117.737	556434.227
		2014	7964551.465	7346514.711	618036.754
		2015	8254895.403	7574517.065	680378.337
		2016	8530661.848	7787430.261	743231.587
		2017	8795826.122	7988950.163	806875.959
		2018	9067233.707	8191533.955	875699.752
		2019	9335343.270	8388269.370	947073.900
		2020	9596110.883	8576864.694	1019246.19
		2021	9833186.859	8745815.783	1087371.08
		2022	10066452.037	8909252.877	1157199.16
		2023	10295503.609	9067263.735	1228239.87
		2024	10520125.318	9219612.740	1300512.58
		2025	10731915.863	9361500.780	1370415.08
		2026	10917495.549	9483898.829	1433596.72
		2027	11098620.885	9601409.842	1497211.04
		2028	11275441.234	9714525.438	1560915.80
		2029	11447962.710	9823054.259	1624908.45
		2030	11601867.623	9918918.174	1682949.45
		2031	11731666.516	9998280.343	1733386.17
		2032	11857585.969	10074110.064	1783475.90
		2033	11980128.625	10146920.992	1833207.63
		2034	12099562.464	10216675.890	1882886.57
		2035	12195919.946	10272279.315	1923640.63
		2036	12278201.969	10318989.527	1959212.44
		2037	12358146.336	10363899.735	1994246.60
		2038	12435978.633	10407237.451	2028741.18
		2039	12512468.845	10449198.497	2063270.35
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1014047.711	5171.683
		1992	1509598.614	1490518.000	19080.614
		1993	1992735.299	1948587.319	44147.980
		1994	2462877.575	2381050.538	81827.037
		1995	2928249.390	2794548.597	133700.792
		1996	3377377.730	3177807.869	199569.861
		1997	3809062.472	3530703.371	278359.101
		1998	4222213.867	3853682.931	368530.937
		1999	4708317.743	4216201.103	492116.640
		2000	5182084.396	4553870.260	628214.137
		2001	5644097.705	4867141.058	776956.646
		2002	6107232.129	5166358.762	940873.367
		2003	6561785.704	5446487.195	1115298.51
		2004	6996156.348	5702509.109	1293647.24
		2005	7426261.361	5945750.969	1480510.39
		2006	7849012.694	6174730.412	1674282.28
		2007	8255300.530	6386411.298	1868889.23
		2008	8650662.040	6585285.234	2065376.81
		2009	9030818.513	6770451.442	2260367.07
		2010	9403026.327	6946403.802	2456622.52
		2011	9767535.506	7113627.719	2653907.79
		2012	10123044.281	7272335.138	2850709.14
		2013	10470104.786	7423342.623	3046762.16
		2014	10807756.112	7566942.431	3240813.68
		2015	11130681.425	7701622.482	3429058.94
		2016	11448966.506	7831836.741	3617129.77

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

		2017	11758164.882	7956074.567	3802090.32
		2018	12054448.241	8073162.452	3981285.79
		2019	12341606.261	8185260.114	4156346.15
		2020	12600728.939	8285005.962	4315722.98
		2021	12861767.105	8384309.029	4477458.08
		2022	13114168.616	8479084.723	4635083.89
		2023	13357894.797	8569346.493	4788548.30
		2024	13593848.521	8656003.720	4937844.80
		2025	13789177.359	8727015.313	5062162.05
		2026	13993401.656	8800866.030	5192535.63
		2027	14190519.224	8871778.269	5318740.95
		2028	14381193.356	8939223.566	5441969.79
		2029	14565171.927	9003998.264	5561173.66
		2030	14697381.605	9050149.616	5647231.99
		2031	14842203.512	9100670.593	5741532.92
		2032	14982485.826	9149172.887	5833312.94
		2033	15118410.647	9195066.016	5923344.63
		2034	15250284.398	9239614.191	6010670.21
		2035	15322911.166	9263530.595	6059380.57
		2036	15405115.031	9290442.781	6114672.25
		2037	15484709.137	9316381.192	6168327.95
		2038	15561812.193	9340949.496	6220862.70
		2039	15635992.616	9364515.440	6271477.18
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293754.580	1367.882
		1992	439962.920	434871.539	5091.381
		1993	584735.615	572724.508	12011.108
		1994	727640.783	705028.963	22611.820
		1995	868486.937	831300.198	37186.739
		1996	1010321.847	953547.616	56774.231
		1997	1144230.930	1064708.175	79522.754
		1998	1274513.622	1168399.854	106113.768
		1999	1426725.938	1284413.815	142312.123
		2000	1573462.680	1391610.461	181852.219
		2001	1719132.015	1492674.018	226457.997
		2002	1863006.732	1587640.110	275366.621
		2003	2002943.227	1675663.538	327279.689
		2004	2137798.705	1756627.283	381171.422
		2005	2271071.245	1833452.862	437618.383
		2006	2400707.731	1904854.033	495853.698
		2007	2523634.512	1970019.299	553615.213
		2008	2648752.232	2033875.418	614876.814
		2009	2765973.961	2091885.423	674088.538
		2010	2881329.235	2147325.506	734003.729
		2011	2994972.694	2200236.995	794735.699
		2012	3108958.829	2251803.959	857154.870
		2013	3218140.416	2300209.462	917930.954
		2014	3328387.914	2347973.176	980414.738
		2015	3435342.796	2393471.227	1041871.57
		2016	3539189.408	2436793.230	1102396.18
		2017	3640041.363	2478104.597	1161936.77
		2018	3732645.362	2515475.590	1217169.77
		2019	3821421.978	2550805.337	1270616.64
		2020	3902115.950	2582393.281	1319722.67
		2021	3984301.053	2614192.658	1370108.39
		2022	4062629.299	2644177.395	1418451.90
		2023	4137348.729	2672588.784	1464759.95
		2024	4208611.493	2699437.294	1509174.20
		2025	4269419.492	2722065.831	1547353.66
		2026	4330969.998	2744820.364	1586149.63
		2027	4389134.306	2766249.338	1622884.97
		2028	4444222.970	2786511.892	1657711.08
		2029	4496447.877	2805651.777	1690796.10
		2030	4536975.698	2820164.448	1716811.25
		2031	4578338.586	2835009.358	1743329.23
		2032	4617397.784	2849073.284	1768324.50
		2033	4654407.697	2862452.991	1791954.71
		2034	4689913.454	2875208.382	1814705.07
		2035	4712518.190	2882950.859	1829567.33
		2036	4735845.827	2890923.562	1844922.26
		2037	4757958.806	2898505.292	1859453.51
		2038	4778813.806	2905748.951	1873064.85
		2039	4798769.065	2912686.826	1886082.24
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148933.769	529.249
		1992	222966.278	221008.498	1957.780
		1993	296801.879	292155.149	4646.730
		1994	372453.706	363484.491	8969.215

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

	1995	448401.338	433282.503	15118.835
	1996	523536.301	500348.396	23187.905
	1997	596763.211	563595.894	33167.317
	1998	667546.681	622641.014	44905.667
	1999	734925.407	676819.805	58105.602
	2000	803749.361	730135.576	73613.784
	2001	870081.588	779453.561	90628.027
	2002	935347.140	826046.463	109300.677
	2003	1001627.349	871340.772	130286.577
	2004	1066587.976	913952.647	152635.329
	2005	1130548.052	954162.008	176386.044
	2006	1195132.454	993086.053	202046.401
	2007	1258974.043	1030013.208	228960.836
	2008	1320124.867	1063956.470	256168.397
	2009	1380776.123	1096384.959	284391.165
	2010	1440048.533	1126984.775	313063.758
	2011	1497484.847	1155642.729	341842.118
	2012	1554496.526	1183077.507	371419.019
	2013	1610819.598	1209315.332	401504.266
	2014	1667484.890	1234884.525	432600.365
	2015	1720948.287	1258410.107	462538.179
	2016	1775699.228	1281875.333	493823.895
	2017	1830250.175	1304673.851	525576.324
	2018	1875958.950	1323348.056	552610.894
	2019	1920359.232	1341137.405	579221.827
	2020	1960605.297	1356996.103	603609.194
	2021	1998912.887	1371797.035	627115.853
	2022	2036003.696	1385855.169	650148.527
	2023	2071857.536	1399218.732	672638.805
	2024	2106636.468	1412013.476	694622.993
	2025	2136450.873	1422844.715	713606.159
	2026	2164796.470	1433005.155	731791.315
	2027	2192079.608	1442706.394	749373.214
	2028	2218404.367	1451914.423	766489.944
	2029	2243769.140	1460727.406	783041.734
	2030	2263570.213	1467535.059	796035.154
	2031	2282521.590	1473999.084	808522.506
	2032	2300804.945	1480170.472	820634.472
	2033	2318464.018	1486032.828	832431.190
	2034	2335611.973	1491698.220	843913.753
	2035	2347097.290	1495459.911	851637.379
	2036	2358248.747	1499082.817	859165.930
	2037	2369033.655	1502577.595	866456.060
	2038	2379490.114	1505900.538	873589.576
	2039	2389546.238	1509079.047	880467.191
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110494.205	377.657
	1992	165654.454	164204.591	1449.863
	1993	220008.519	216549.280	3459.239
	1994	275706.807	268992.897	6713.910
	1995	331417.547	320111.803	11305.744
	1996	387580.161	370112.983	17467.178
	1997	442778.242	417692.720	25085.522
	1998	496117.305	462118.058	33999.246
	1999	548268.214	504004.344	44263.870
	2000	601693.202	545381.505	56311.696
	2001	652221.103	583006.451	69214.652
	2002	703022.600	619294.632	83727.969
	2003	752023.351	652865.894	99157.457
	2004	799826.733	684243.332	115583.400
	2005	847563.928	714353.954	133209.974
	2006	894205.027	742581.172	151623.855
	2007	939571.282	768948.596	170622.686
	2008	983437.578	793486.004	189951.574
	2009	1025803.786	816358.408	209445.378
	2010	1066964.934	837797.662	229167.272
	2011	1106954.044	857915.152	249038.892
	2012	1146108.461	876991.157	269117.304
	2013	1183544.689	894718.520	288826.169
	2014	1221220.945	912027.288	309193.657
	2015	1258289.311	928664.191	329625.121
	2016	1294830.207	944669.882	350160.325
	2017	1330332.626	959858.446	370474.180
	2018	1360571.987	972552.090	388019.897
	2019	1389848.723	984586.572	405262.151
	2020	1416046.192	995156.577	420889.615
	2021	1440588.850	1004881.602	435707.247
	2022	1464157.934	1014084.600	450073.334

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

		2023	1486810.237	1022842.521	463967.716
		2024	1508591.729	1031144.807	477446.923
		2025	1526875.621	1038023.372	488852.249
		2026	1543659.810	1044266.050	499393.760
		2027	1559623.774	1050165.511	509458.263
		2028	1574852.850	1055762.909	519089.942
		2029	1589437.452	1061077.021	528360.432
		2030	1600568.199	1065050.619	535517.580
		2031	1610776.297	1068692.064	542084.233
		2032	1620483.563	1072154.668	548328.895
		2033	1629745.442	1075461.558	554283.884
		2034	1638721.425	1078631.488	560089.938
		2035	1644649.404	1080659.173	563990.231
		2036	1650181.590	1082540.877	567640.713
		2037	1655476.066	1084344.076	571131.990
		2038	1660507.914	1086080.452	574427.462
		2039	1665361.569	1087756.438	577605.132
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233287.920	150.913
		1992	348084.047	347531.310	552.737
		1993	467278.318	465926.151	1352.167
		1994	584216.907	581566.927	2649.980
		1995	697391.457	692888.042	4503.414
		1996	809471.271	802442.773	7028.498
		1997	922587.668	912198.577	10389.091
		1998	1034072.457	1019544.745	14527.711
		1999	1153475.399	1133505.267	19970.132
		2000	1268050.268	1241675.194	26375.074
		2001	1382786.209	1348748.724	34037.486
		2002	1497557.412	1454472.058	43085.353
		2003	1614405.229	1560862.246	53542.983
		2004	1726672.489	1661647.089	65025.400
		2005	1847277.524	1768523.233	78754.292
		2006	1961009.963	1867709.633	93300.330
		2007	2079868.908	1969642.903	110226.005
		2008	2206755.783	2076802.028	129953.755
		2009	2331993.380	2180762.001	151231.379
	2010	2455130.176	2281261.096	173869.080	
	2011	2582657.849	2383473.185	199184.664	
	2012	2709719.005	2483332.031	226386.974	
	2013	2840547.005	2584081.865	256465.140	
	2014	2971677.135	2683057.624	288619.512	
	2015	3104538.983	2782020.198	322518.785	
	2016	3237650.175	2879016.548	358633.627	
	2017	3370561.253	2973943.730	396617.523	
	2018	3503136.371	3066336.676	436799.696	
	2019	3636402.758	3157221.897	479180.861	
	2020	3768054.453	3245492.577	522561.875	
	2021	3897675.067	3330470.384	567204.683	
	2022	4027307.132	3413471.216	613835.917	
	2023	4156698.720	3494448.928	662249.792	
	2024	4285772.226	3573369.787	712402.438	
	2025	4410759.298	3648597.068	762162.230	
	2026	4531411.064	3719337.803	812073.262	
	2027	4651145.233	3787808.144	863337.089	
	2028	4769837.872	3854099.462	915738.410	
	2029	4887747.179	3918419.642	969327.537	
2030	4997632.895	3977634.069	1019998.83		
2031	5103301.991	4032839.488	1070462.50		
2032	5207593.613	4086077.580	1121516.03		
2033	5310556.138	4137323.975	1173232.16		
2034	5412542.816	4186986.053	1225556.76		
2035	5500522.473	4229423.881	1271098.59		
2036	5588149.640	4270610.322	1317539.32		
2037	5674667.886	4310510.439	1364157.45		
2038	5760391.289	4349061.942	1411329.35		
2039	5845459.234	4386658.369	1458800.86		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159906.101	123.409
		1992	240642.531	240173.569	468.963
		1993	329362.093	328151.927	1210.166
		1994	418569.515	416147.820	2421.695
		1995	509110.357	504855.201	4255.156
		1996	600040.117	593288.281	6751.836
		1997	691159.071	681150.127	10008.943
		1998	782866.899	768798.768	14068.131
		1999	881526.925	862113.167	19413.759
		2000	977880.647	952311.180	25569.467

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

2001	1076787.404	1043803.159	32984.245
2002	1174842.754	1133329.688	41513.065
2003	1275102.681	1223728.946	51373.735
2004	1371026.306	1309057.352	61968.954
2005	1473954.509	1399244.372	74710.137
2006	1574450.828	1485963.657	88487.171
2007	1673790.211	1570328.721	103461.490
2008	1782360.738	1661001.301	121359.437
2009	1892944.209	1751605.116	141339.093
2010	2002131.282	1839633.299	162497.984
2011	2114522.152	1928448.323	186073.829
2012	2228079.372	2016558.123	211521.248
2013	2345377.689	2105717.997	239659.692
2014	2462498.422	2192906.152	269592.270
2015	2581450.312	2280245.398	301204.914
2016	2701959.301	2366869.673	335089.628
2017	2823834.967	2452639.973	371194.995
2018	2938265.081	2531877.883	406387.198
2019	3053254.880	2609814.231	443440.648
2020	3167073.216	2685645.137	481428.079
2021	3279517.699	2759280.564	520237.135
2022	3392060.964	2831369.730	560691.234
2023	3504296.171	2901789.416	602506.755
2024	3616019.231	2970344.468	645674.763
2025	3724611.269	3035901.965	688709.304
2026	3827181.707	3096813.002	730368.705
2027	3928684.441	3155755.350	772929.091
2028	4029124.892	3212929.450	816195.442
2029	4128269.068	3268107.862	860161.206
2030	4221560.174	3319327.562	902232.612
2031	4304170.584	3363710.516	940460.069
2032	4384930.537	3406120.167	978810.370
2033	4464357.691	3446951.440	1017406.25
2034	4542251.545	3486043.393	1056208.15
2035	4611066.648	3520168.293	1090898.36
2036	4670309.230	3548896.879	1121412.35
2037	4728179.514	3576423.177	1151756.34
2038	4785008.048	3602971.641	1182036.41
2039	4841291.793	3628674.913	1212616.88

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2573535.547	6329.810
		1992	3830683.831	3807312.808	23371.023
		1993	5076567.803	5022123.632	54444.171
		1994	6292145.526	6190437.713	101707.813
		1995	7485537.010	7318276.948	167260.062
		1996	8655955.028	8404318.293	251636.735
		1997	9791729.713	9437881.589	353848.123
		1998	10899134.186	10426572.839	472561.347
		1999	12070409.674	11440295.000	630114.674
		2000	13231384.595	12424340.856	807043.739
		2001	14371761.018	13368902.984	1002858.03
		2002	15508906.386	14288169.912	1220736.47
		2003	16638100.422	15181018.271	1457082.15
		2004	17736465.088	16032645.624	1703819.46
		2005	18834658.606	16867708.054	1966950.55
		2006	19909100.501	17665378.275	2243722.23
		2007	20958321.463	18429844.718	2528476.75
		2008	22000068.148	19176897.441	2823170.71
		2009	23018816.903	19895504.310	3123312.59
		2010	24018480.537	20588060.047	3430420.49
		2011	25003034.574	21258157.194	3744877.38
		2012	25969871.429	21904005.244	4065866.19
		2013	26920275.180	22527494.963	4392780.22
		2014	27849005.227	23125678.758	4723326.47
		2015	28749620.400	23698867.162	5050753.24
		2016	29622417.562	24241157.600	5381259.96
		2017	30462559.724	24752182.169	5710377.56
		2018	31293299.299	25254140.874	6039158.43
		2019	32109993.427	25741107.021	6368886.41
		2020	32883323.977	26200475.933	6682848.04
		2021	33610102.554	26618327.350	6991775.20
		2022	34322010.448	27021658.215	7300352.23
		2023	35018383.550	27410597.155	7607786.39
		2024	35700177.955	27786365.158	7913812.80
		2025	36315500.346	28127263.819	8188236.53
		2026	36896159.343	28436730.950	8459428.39
		2027	37462570.116	28734574.788	8727995.33
		2028	38015337.780	29020489.546	8994848.23
		2029	38554814.764	29296228.024	9258586.74
		2030	39003805.400	29529375.355	9474430.04
		2031	39436509.703	29744989.309	9691520.39
2032	39858470.458	29952338.105	9906132.35		
2033	40270147.082	30150625.336	10119521.7		
2034	40672665.743	30342522.470	10330143.3		
2035	40962732.664	30484141.544	10478591.1		
2036	41255021.653	30622226.540	10632795.1		
2037	41540573.023	30755625.398	10784947.6		
2038	41820158.066	30883552.440	10936605.6		
2039	42093547.949	31007525.489	11086022.5		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1180397.437	2173.815
		1992	1777346.679	1769132.478	8214.202
		1993	2380261.899	2360624.608	19637.291
		1994	2983130.039	2945581.625	37548.414
		1995	3588982.584	3526176.787	62805.797
		1996	4195430.235	4098524.792	96905.443
		1997	4793866.694	4655604.832	138261.862
		1998	5389747.381	5202112.590	187634.791
		1999	6006722.467	5755443.613	251278.854
		2000	6625758.871	6302211.127	323547.744
		2001	7245135.411	6839274.878	405860.533
		2002	7867492.021	7369000.945	498491.075
		2003	8485051.793	7885705.020	599346.773
		2004	9092994.774	8385657.050	707337.724
		2005	9706032.803	8881482.479	824550.324
		2006	10311907.548	9362695.175	949212.374
		2007	10909437.502	9830449.681	1078987.82
		2008	11506462.491	10288372.223	1218090.27
		2009	12098393.287	10736664.644	1361728.64
		2010	12681188.981	11170838.508	1510350.47

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

		2011	13260062.991	11594394.523	1665668.47
		2012	13839417.441	12010791.897	1828625.54
		2013	14409614.758	12414662.163	1994952.60
		2014	14976658.746	12808314.324	2168344.42
		2015	15529977.821	13186847.784	2343130.04
		2016	16066640.764	13546809.509	2519831.26
		2017	16590035.078	13891746.761	2698288.32
		2018	17098716.137	14224829.862	2873886.27
		2019	17599868.850	14548115.735	3051753.12
		2020	18081346.241	14855999.256	3225346.99
		2021	18537594.460	15141418.165	3396176.29
		2022	18985300.234	15417482.136	3567818.10
		2023	19423958.747	15684470.462	3739488.29
		2024	19853347.772	15941944.834	3911402.94
		2025	20252822.245	16180338.469	4072483.78
		2026	20619307.063	16394022.382	4225284.68
		2027	20976063.406	16599195.895	4376867.51
		2028	21323641.947	16796752.004	4526889.94
		2029	21662117.106	16986325.803	4675791.30
		2030	21960971.694	17153281.656	4807690.04
		2031	22224951.983	17296744.526	4928207.46
		2032	22480397.853	17433726.143	5046671.71
		2033	22728639.455	17565262.367	5163377.09
		2034	22970448.888	17691224.978	5279223.91
		2035	23164154.188	17791814.160	5372340.03
		2036	23334538.616	17878038.210	5456500.41
		2037	23499760.723	17960768.323	5538992.40
		2038	23660308.401	18040525.975	5619782.43
		2039	23817891.273	18117679.616	5700211.66
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177266.147	477.966
		1992	1750034.892	1748250.409	1784.483
		1993	2319752.308	2315434.288	4318.020
		1994	2872597.339	2864278.977	8318.362
		1995	3411494.825	3397436.351	14058.474
		1996	3945569.726	3923497.179	22072.547
		1997	4463316.362	4431018.655	32297.707
		1998	4975301.180	4930151.093	45150.087
		1999	5473691.125	5412942.244	60748.881
		2000	5977500.570	5897490.703	80009.867
		2001	6474795.516	6371980.014	102815.502
		2002	6968769.705	6839224.170	129545.534
		2003	7460282.140	7299692.512	160589.628
		2004	7947048.275	7751277.332	195770.943
		2005	8430571.669	8195296.813	235274.855
		2006	8903945.390	8625104.766	278840.624
		2007	9364177.982	9038186.361	325991.621
		2008	9822525.458	9444332.262	378193.196
		2009	10275228.886	9840399.298	434829.588
		2010	10720275.500	10224861.494	495414.006
		2011	11155356.373	10595748.787	559607.586
		2012	11582611.617	10954422.731	628188.886
		2013	11998803.791	11298670.544	700133.247
		2014	12402087.090	11627405.858	774681.232
		2015	12793451.706	11942043.747	851407.958
		2016	13160101.653	12232209.947	927891.705
		2017	13503583.414	12499764.196	1003819.22
		2018	13859755.737	12772075.411	1087680.33
		2019	14211625.176	13036733.281	1174891.90
		2020	14553935.288	13290655.806	1263279.48
		2021	14851747.495	13507834.508	1343912.99
		2022	15144531.004	13717716.805	1426814.20
		2023	15431932.496	13920416.063	1511516.43
		2024	15713920.740	14116152.134	1597768.61
		2025	15979112.816	14298336.190	1680776.63
		2026	16206550.153	14451403.036	1755147.12
		2027	16428826.050	14598510.118	1830315.93
		2028	16645902.186	14739828.523	1906073.66
		2029	16858126.517	14876008.425	1982118.09
		2030	17045220.687	14995447.106	2049773.58
		2031	17208482.610	15097328.452	2111154.16
		2032	17367586.074	15195239.371	2172346.70
		2033	17522716.280	15289021.880	2233694.40
		2034	17674226.555	15379546.395	2294680.16
		2035	17792201.734	15449830.935	2342370.80
		2036	17903508.236	15514941.372	2388566.86
		2037	18012162.345	15577765.081	2434397.26
		2038	18118464.470	15638027.904	2480436.57

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

	Female	2039	18222549.860	15696452.746	2526097.11
		1990	307897.357	307897.357	0.000
		1991	616547.418	616242.551	304.866
		1992	931086.773	929882.106	1204.667
		1993	1246155.671	1243195.603	2960.068
		1994	1561212.934	1555402.408	5810.527
		1995	1879967.742	1869888.336	10079.406
		1996	2197488.109	2181535.307	15952.802
		1997	2515698.453	2491984.635	23713.817
		1998	2836249.556	2802687.122	33562.434
		1999	3150201.390	3104745.505	45455.885
		2000	3472722.342	3412667.306	60055.037
		2001	3796994.889	3719459.005	77535.884
		2002	4126619.935	4028295.362	98324.573
		2003	4454982.533	4332876.794	122105.740
		2004	4784343.030	4635015.378	149327.652
		2005	5113443.121	4933548.915	179894.206
		2006	5442543.963	5228229.196	214314.767
		2007	5772441.497	5519885.054	252556.442
		2008	6091911.943	5798507.850	293404.093
		2009	6413671.330	6075061.611	338609.719
		2010	6730763.530	6344056.809	386706.721
		2011	7043614.101	6605473.321	438140.780
		2012	7356270.780	6862798.776	493472.004
		2013	7662551.964	7111031.487	551520.477
		2014	7964551.465	7352055.238	612496.227
		2015	8254895.403	7580712.368	674183.034
		2016	8530661.848	7794293.475	736368.372
		2017	8795826.122	7996504.457	799321.665
		2018	9067233.707	8199831.803	867401.904
		2019	9335343.270	8397343.607	937999.663
		2020	9596110.883	8586746.059	1009364.82
		2021	9833186.859	8756485.723	1076701.14
		2022	10066452.037	8920736.356	1145715.68
		2023	10295503.609	9079583.198	1215920.41
		2024	10520125.318	9232786.386	1287338.93
		2025	10731915.863	9375541.308	1356374.55
		2026	10917495.549	9498738.159	1418757.39
		2027	11098620.885	9617055.610	1481565.28
		2028	11275441.234	9730985.560	1544455.67
		2029	11447962.710	9840331.675	1607631.03
		2030	11601867.623	9936997.461	1664870.16
		2031	11731666.516	10017043.446	1714623.07
		2032	11857585.969	10093548.468	1764037.50
		2033	11980128.625	10167029.659	1813098.97
		2034	12099562.464	10237445.503	1862116.96
		2035	12195919.946	10293653.745	1902266.20
		2036	12278201.969	10340862.835	1937339.13
		2037	12358146.336	10386261.040	1971885.30
		2038	12435978.633	10430077.967	2005900.67
		2039	12512468.845	10472510.247	2039958.60
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1014047.711	5171.683
		1992	1509598.614	1490521.272	19077.342
		1993	1992735.299	1948601.945	44133.354
		1994	2462877.575	2381090.225	81787.350
		1995	2928249.390	2794633.071	133616.319
		1996	3377377.730	3177960.779	199416.951
		1997	3809062.472	3530951.569	278110.902
		1998	4222213.867	3854053.859	368160.008
		1999	4708317.743	4216755.941	491561.803
		2000	5182084.396	4554653.255	627431.141
		2001	5644097.705	4868192.416	775905.289
		2002	6107232.129	5167726.118	939506.011
		2003	6561785.704	5448211.108	1113574.60
		2004	6996156.348	5704618.886	1291537.46
		2005	7426261.361	5948288.162	1477973.20
		2006	7849012.694	6177727.755	1671284.94
		2007	8255300.530	6389892.584	1865407.95
		2008	8650662.040	6589280.041	2061382.00
		2009	9030818.513	6774979.400	2255839.11
		2010	9403026.327	6951488.793	2451537.53
		2011	9767535.506	7119291.922	2648243.58
		2012	10123044.281	7278600.735	2844443.55
		2013	10470104.786	7430229.842	3039874.94
		2014	10807756.112	7574468.775	3233287.34
		2015	11130681.425	7709807.381	3420874.04
		2016	11448966.506	7840704.617	3608261.89

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		2017	11758164.882	7965640.795	3792524.09
		2018	12054448.241	8083397.839	3971050.40
		2019	12341606.261	8196171.689	4145434.57
		2020	12600728.939	8296594.040	4304134.90
		2021	12861767.105	8396578.641	4465188.46
		2022	13114168.616	8492033.517	4622135.10
		2023	13357894.797	8582973.216	4774921.58
		2024	13593848.521	8670309.137	4923539.38
		2025	13789177.359	8741970.109	5047207.25
		2026	13993401.656	8816493.761	5176907.89
		2027	14190519.224	8888075.181	5302444.04
		2028	14381193.356	8956181.086	5425012.27
		2029	14565171.927	9021609.162	5543562.77
		2030	14697381.605	9068318.885	5629062.72
		2031	14842203.512	9119447.497	5722756.01
		2032	14982485.826	9168548.326	5813937.50
		2033	15118410.647	9215025.192	5903385.45
		2034	15250284.398	9260154.260	5990130.14
		2035	15322911.166	9284452.818	6038458.35
		2036	15405115.031	9311795.597	6093319.43
		2037	15484709.137	9338160.056	6146549.08
		2038	15561812.193	9363143.573	6198668.62
		2039	15635992.616	9387116.215	6248876.40
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293754.580	1367.882
		1992	439962.920	434871.885	5091.035
		1993	584735.615	572726.146	12009.469
		1994	727640.783	705033.630	22607.152
		1995	868486.937	831310.440	37176.497
		1996	1010321.847	953566.909	56754.939
		1997	1144230.930	1064740.315	79490.614
		1998	1274513.622	1168449.187	106064.435
		1999	1426725.938	1284489.454	142236.484
		2000	1573462.680	1391718.619	181744.060
		2001	1719132.015	1492820.901	226311.114
		2002	1863006.732	1587831.819	275174.913
		2003	2002943.227	1675905.500	327037.727
		2004	2137798.705	1756924.132	380874.573
		2005	2271071.245	1833810.631	437260.614
		2006	2400707.731	1905276.503	495431.228
		2007	2523634.512	1970509.107	553125.405
		2008	2648752.232	2034438.853	614313.379
		2009	2765973.961	2092524.021	673449.940
		2010	2881329.235	2148043.770	733285.465
		2011	2994972.694	2201039.183	793933.510
		2012	3108958.829	2252694.826	856264.003
		2013	3218140.416	2301191.765	916948.651
		2014	3328387.914	2349052.979	979334.934
		2015	3435342.796	2394654.675	1040688.12
		2016	3539189.408	2438084.508	1101104.90
		2017	3640041.363	2479507.061	1160534.30
		2018	3732645.362	2516985.188	1215660.17
		2019	3821421.978	2552423.270	1268998.71
		2020	3902115.950	2584119.896	1317996.05
		2021	3984301.053	2616035.278	1368265.78
		2022	4062629.299	2646135.856	1416493.44
		2023	4137348.729	2674663.310	1462685.42
		2024	4208611.493	2701627.125	1506984.37
		2025	4269419.492	2724367.812	1545051.68
		2026	4330969.998	2747239.185	1583730.81
		2027	4389134.306	2768782.467	1620351.84
		2028	4444222.970	2789157.216	1655065.75
		2029	4496447.877	2808406.739	1688041.14
		2030	4536975.698	2823018.786	1713956.91
		2031	4578338.586	2837967.021	1740371.57
		2032	4617397.784	2852130.994	1765266.79
		2033	4654407.697	2865608.226	1788799.47
		2034	4689913.454	2878458.521	1811454.93
		2035	4712518.190	2886274.758	1826243.43
		2036	4735845.827	2894323.998	1841521.83
		2037	4757958.806	2901979.589	1855979.22
		2038	4778813.806	2909294.839	1869518.97
		2039	4798769.065	2916302.206	1882466.86
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148933.769	529.249
		1992	222966.278	221008.957	1957.321
		1993	296801.879	292157.242	4644.637
		1994	372453.706	363490.398	8963.307

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	1995	448401.338	433295.360	15105.977
	1996	523536.301	500372.302	23164.000
	1997	596763.211	563635.488	33127.723
	1998	667546.681	622701.239	44845.442
	1999	734925.407	676905.418	58019.989
	2000	803749.361	730254.609	73494.752
	2001	870081.588	779611.759	90469.829
	2002	935347.140	826251.008	109096.132
	2003	1001627.349	871599.030	130028.319
	2004	1066587.976	914271.418	152316.558
	2005	1130548.052	954547.636	176000.416
	2006	1195132.454	993546.205	201586.248
	2007	1258974.043	1030553.811	228420.233
	2008	1320124.867	1064579.947	255544.919
	2009	1380776.123	1097096.854	283679.269
	2010	1440048.533	1127789.273	312259.260
	2011	1497484.847	1156543.640	340941.206
	2012	1554496.526	1184077.850	370418.677
	2013	1610819.598	1210419.980	400399.618
	2014	1667484.890	1236097.479	431387.410
	2015	1720948.287	1259735.036	461213.251
	2016	1775699.228	1283318.675	492380.553
	2017	1830250.175	1306240.226	524009.949
	2018	1875958.950	1325024.605	550934.345
	2019	1920359.232	1342924.813	577434.418
	2020	1960605.297	1358894.348	601710.950
	2021	1998912.887	1373803.472	625109.415
	2022	2036003.696	1387969.025	648034.671
	2023	2071857.536	1401439.572	670417.964
	2024	2106636.468	1414341.143	692295.325
	2025	2136450.873	1425275.621	711175.252
	2026	2164796.470	1435535.914	729260.556
	2027	2192079.608	1445335.915	746743.693
	2028	2218404.367	1454641.070	763763.297
	2029	2243769.140	1463549.750	780219.391
	2030	2263570.213	1470442.627	793127.586
	2031	2282521.590	1476989.268	805532.322
	2032	2300804.945	1483241.516	817563.428
	2033	2318464.018	1489182.957	829281.061
	2034	2335611.973	1494926.769	840685.204
	2035	2347097.290	1498748.862	848348.429
	2036	2358248.747	1502430.982	855817.765
	2037	2369033.655	1505984.416	863049.239
	2038	2379490.114	1509364.708	870125.406
	2039	2389546.238	1512599.236	876947.002
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110494.205	377.657
	1992	165654.454	164204.702	1449.752
	1993	220008.519	216549.806	3458.713
	1994	275706.807	268994.408	6712.399
	1995	331417.547	320115.167	11302.380
	1996	387580.161	370119.376	17460.785
	1997	442778.242	417703.530	25074.712
	1998	496117.305	462134.832	33982.472
	1999	548268.214	504028.762	44239.453
	2000	601693.202	545415.957	56277.245
	2001	652221.103	583052.604	69168.498
	2002	703022.600	619354.690	83667.910
	2003	752023.351	652941.720	99081.631
	2004	799826.733	684336.731	115490.002
	2005	847563.928	714467.002	133096.926
	2006	894205.027	742715.867	151489.160
	2007	939571.282	769106.428	170464.854
	2008	983437.578	793668.283	189769.295
	2009	1025803.786	816566.450	209237.336
	2010	1066964.934	838032.622	228932.312
	2011	1106954.044	858178.322	248775.722
	2012	1146108.461	877283.747	268824.713
	2013	1183544.689	895041.325	288503.365
	2014	1221220.945	912382.343	308838.603
	2015	1258289.311	929054.055	329235.257
	2016	1294830.207	945096.057	349734.150
	2017	1330332.626	960322.371	370010.255
	2018	1360571.987	973050.415	387521.572
	2019	1389848.723	985119.771	404728.951
	2020	1416046.192	995724.763	420321.430
	2021	1440588.850	1005484.281	435104.568
	2022	1464157.934	1014721.792	449436.142

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

		2023	1486810.237	1023514.409	463295.828
		2024	1508591.729	1031851.204	476740.526
		2025	1526875.621	1038763.228	488112.394
		2026	1543659.810	1045037.491	498622.318
		2027	1559623.774	1050967.882	508655.893
		2028	1574852.850	1056595.674	518257.176
		2029	1589437.452	1061939.578	527497.874
		2030	1600568.199	1065940.046	534628.153
		2031	1610776.297	1069606.660	541169.637
		2032	1620483.563	1073093.744	547389.819
		2033	1629745.442	1076424.608	553320.835
		2034	1638721.425	1079618.020	559103.405
		2035	1644649.404	1081664.479	562984.926
		2036	1650181.590	1083563.788	566617.802
		2037	1655476.066	1085384.114	570091.952
		2038	1660507.914	1087137.231	573370.683
		2039	1665361.569	1088829.596	576531.973
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233287.920	150.913
		1992	348084.047	347532.171	551.876
		1993	467278.318	465930.157	1348.161
		1994	584216.907	581578.113	2638.794
		1995	697391.457	692912.165	4479.291
		1996	809471.271	802488.034	6983.237
		1997	922587.668	912275.877	10311.791
		1998	1034072.457	1019666.648	14405.809
		1999	1153475.399	1133691.397	19784.002
		2000	1268050.268	1241942.288	26107.980
		2001	1382786.209	1349118.795	33667.414
		2002	1497557.412	1454968.616	42588.795
		2003	1614405.229	1561515.621	52889.608
		2004	1726672.489	1662477.988	64194.502
		2005	1847277.524	1769575.443	77702.081
		2006	1961009.963	1868999.549	92010.414
		2007	2079868.908	1971211.962	108656.947
		2008	2206755.783	2078705.191	128050.592
		2009	2331993.380	2183028.757	148964.623
		2010	2455130.176	2283920.487	171209.689
		2011	2582657.849	2386572.845	196085.003
		2012	2709719.005	2486903.928	222815.076
		2013	2840547.005	2588174.597	252372.408
		2014	2971677.135	2687706.645	283970.491
		2015	3104538.983	2787280.998	317257.985
		2016	3237650.175	2884924.361	352725.815
		2017	3370561.253	2980536.952	390024.301
		2018	3503136.371	3073643.019	429493.352
		2019	3636402.758	3165277.237	471125.521
		2020	3768054.453	3254331.739	513722.714
		2021	3897675.067	3340110.729	557564.338
		2022	4027307.132	3423938.867	603368.265
		2023	4156698.720	3505768.305	650930.416
		2024	4285772.226	3585562.743	700209.483
		2025	4410759.298	3661681.900	749077.398
		2026	4531411.064	3733298.238	798112.826
		2027	4651145.233	3802653.574	848491.659
		2028	4769837.872	3869838.867	899999.005
		2029	4887747.179	3935060.688	952686.492
2030	4997632.895	3995166.738	1002466.16		
2031	5103301.991	4051224.092	1052077.90		
2032	5207593.613	4105308.892	1102284.72		
2033	5310556.138	4157395.307	1153160.83		
2034	5412542.816	4207895.047	1204647.77		
2035	5500522.473	4251108.929	1249413.54		
2036	5588149.640	4293058.589	1295091.05		
2037	5674667.886	4333715.845	1340952.04		
2038	5760391.289	4373016.256	1387375.03		
2039	5845459.234	4411357.293	1434101.94		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159906.101	123.409
		1992	240642.531	240173.785	468.747
		1993	329362.093	328153.053	1209.040
		1994	418569.515	416151.179	2418.336
		1995	509110.357	504862.844	4247.514
		1996	600040.117	593303.200	6736.917
		1997	691159.071	681176.351	9982.719
		1998	782866.899	768841.449	14025.450
		1999	881526.925	862179.893	19347.032
		2000	977880.647	952409.245	25471.402

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

2001	1076787.404	1043942.368	32845.036
2002	1174842.754	1133519.074	41323.680
2003	1275102.681	1223981.007	51121.674
2004	1371026.306	1309380.809	61645.497
2005	1473954.509	1399655.931	74298.578
2006	1574450.828	1486473.609	87977.220
2007	1673790.211	1570949.092	102841.120
2008	1782360.738	1661757.237	120603.501
2009	1892944.209	1752512.562	140431.647
2010	2002131.282	1840705.308	161425.975
2011	2114522.152	1929703.697	184818.456
2012	2228079.372	2018014.548	210064.824
2013	2345377.689	2107397.586	237980.103
2014	2462498.422	2194823.764	267674.658
2015	2581450.312	2282426.686	299023.626
2016	2701959.301	2369335.468	332623.833
2017	2823834.967	2455412.872	368422.095
2018	2938265.081	2534962.456	403302.624
2019	3053254.880	2613229.087	440025.793
2020	3167073.216	2689408.537	477664.679
2021	3279517.699	2763412.883	516104.816
2022	3392060.964	2835888.132	556172.832
2023	3504296.171	2906709.545	597586.626
2024	3616019.231	2975680.119	640339.112
2025	3724611.269	3041666.122	682945.147
2026	3827181.707	3103007.547	724174.160
2027	3928684.441	3162389.936	766294.504
2028	4029124.892	3220013.553	809111.339
2029	4128269.068	3275647.810	852621.257
2030	4221560.174	3327325.362	894234.811
2031	4304170.584	3372127.399	932043.185
2032	4384930.537	3414952.937	969977.601
2033	4464357.691	3456199.874	1008157.82
2034	4542251.545	3495702.934	1046548.61
2035	4611066.648	3530221.178	1080845.47
2036	4670309.230	3559287.589	1111021.64
2037	4728179.514	3587143.580	1141035.93
2038	4785008.048	3614015.937	1170992.11
2039	4841291.793	3640037.567	1201254.23

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	309701.407	134209.627
		35-39	1146798.555	796388.690	350409.865
		40-44	2609591.408	1790493.385	819098.024
		45-49	4775841.753	3256208.075	1519633.68
		50-54	7446969.205	5180423.872	2266545.33
		55-59	8240205.925	5979938.540	2260267.38
		60-64	8772829.118	6641561.125	2131267.99
		65-69	6161494.678	4917492.198	1244002.48
		70-74	2495906.274	2025054.558	470851.715
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	172034.625	57105.936
		35-39	570217.942	425278.738	144939.203
		40-44	1267538.938	934537.227	333001.711
		45-49	2340070.698	1717374.010	622696.689
		50-54	3743803.613	2761116.206	982687.407
		55-59	4591478.168	3457848.315	1133629.85
		60-64	5207367.788	3984840.516	1222527.27
		65-69	4092181.394	3221681.730	870499.664
70-74		1776092.171	1403605.305	372486.865	
Lung cancer	Males	30-34	66065.017	58013.026	8051.992
		35-39	232509.414	205079.040	27430.375
		40-44	688628.041	600894.404	87733.637
		45-49	1528300.367	1312931.163	215369.204
		50-54	2730187.229	2327197.908	402989.321
		55-59	3909101.673	3318446.131	590655.542
		60-64	4287716.660	3681549.724	606166.936
		65-69	3467897.115	2994357.080	473540.035
		70-74	1312144.343	1138540.519	173603.824
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	45457.460	6455.653
		35-39	189792.904	166372.168	23420.737
		40-44	527596.573	453230.402	74366.171
		45-49	1122524.269	947026.232	175498.037
		50-54	1882214.322	1570729.537	311484.785
		55-59	2595581.943	2148622.373	446959.570
		60-64	2846273.090	2368203.419	478069.670
		65-69	2358758.394	1966039.654	392718.739
70-74		937814.238	783517.252	154296.986	
IHD	Males	30-34	263834.566	168476.055	95358.510
		35-39	692140.150	431093.055	261047.095
		40-44	1519708.432	906076.023	613632.409
		45-49	2568546.697	1471283.805	1097262.89
		50-54	3632929.903	2112021.524	1520908.38
		55-59	2807892.356	1615811.503	1192080.85
		60-64	2599825.934	1615839.023	983986.911
		65-69	1113578.307	733003.585	380574.723
		70-74	437536.271	310910.867	126625.404
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	52188.455	27460.642
		35-39	193965.908	119951.758	74014.150
		40-44	403380.974	237165.427	166215.547
		45-49	671385.408	381582.295	289803.113
		50-54	1011875.989	589080.164	422795.825
		55-59	849875.715	497397.697	352478.019
		60-64	925490.876	581952.699	343538.178
		65-69	455463.881	304969.661	150494.220
70-74		207681.216	148398.670	59282.546	
Stroke	Males	30-34	73463.650	52470.080	20993.569
		35-39	151934.057	106637.634	45296.423
		40-44	262845.974	178915.192	83930.783
		45-49	383421.246	251454.430	131966.816
		50-54	479872.634	299259.229	180613.404
		55-59	437124.903	259223.399	177901.504
		60-64	419457.235	250677.162	168780.072
		65-69	128180.574	76923.412	51257.162
		70-74	53245.965	33518.509	19727.457
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	47172.264	15746.827

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

		35-39	120806.205	87639.708	33166.498
		40-44	203391.885	141377.377	62014.509
		45-49	278172.097	185656.808	92515.289
		50-54	325979.181	209407.888	116571.293
		55-59	275161.340	169322.476	105838.864
		60-64	268920.493	165948.916	102971.577
		65-69	87956.054	54586.192	33369.862
		70-74	42055.224	26644.810	15410.413
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	30742.245	9805.556
		35-39	70214.933	53578.962	16635.972
		40-44	138408.960	104607.766	33801.194
		45-49	295573.443	220538.677	75034.766
		50-54	603979.438	441945.211	162034.227
		55-59	1086086.992	786457.507	299629.485
		60-64	1465829.290	1093495.216	372334.074
		65-69	1451838.682	1113208.123	338630.559
		70-74	692979.695	542084.663	150895.031
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	27216.447	7442.814
		35-39	65652.924	51315.105	14337.819
		40-44	133169.505	102764.022	30405.484
		45-49	267988.924	203108.674	64880.250
		50-54	523734.121	391898.617	131835.503
		55-59	870859.170	642505.770	228353.400
		60-64	1166683.329	868735.482	297947.846
		65-69	1190003.066	896086.223	293916.843
		70-74	588541.493	445044.573	143496.920
		75-79	0.000	0.000	0.000

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	309722.308	134188.726
		35-39	1146798.555	796546.442	350252.113
		40-44	2609591.408	1791511.658	818079.750
		45-49	4775841.753	3260663.490	1515178.26
		50-54	7446969.205	5193761.923	2253207.28
		55-59	8240205.925	6000312.577	2239893.35
		60-64	8772829.118	6673732.712	2099096.41
		65-69	6161494.678	4942778.624	1218716.05
		70-74	2495906.274	2038495.755	457410.519
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	172039.315	57101.246
		35-39	570217.942	425313.360	144904.582
		40-44	1267538.938	934756.914	332782.024
		45-49	2340070.698	1718341.057	621729.641
		50-54	3743803.613	2764203.065	979600.549
		55-59	4591478.168	3463725.629	1127752.54
		60-64	5207367.788	3995732.451	1211635.34
		65-69	4092181.394	3232870.601	859310.794
70-74		1776092.171	1410697.225	365394.946	
Lung cancer	Males	30-34	66065.017	58016.562	8048.455
		35-39	232509.414	205116.982	27392.433
		40-44	688628.041	601223.229	87404.813
		45-49	1528300.367	1314693.916	213606.451
		50-54	2730187.229	2333058.489	397128.740
		55-59	3909101.673	3329631.392	579470.282
		60-64	4287716.660	3699292.885	588423.775
		65-69	3467897.115	3009419.920	458477.195
		70-74	1312144.343	1145999.371	166144.972
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	45458.709	6454.404
		35-39	189792.904	166385.345	23407.559
		40-44	527596.573	453337.496	74259.078
		45-49	1122524.269	947561.734	174962.535
		50-54	1882214.322	1572497.858	309716.464
		55-59	2595581.943	2152301.837	443280.106
		60-64	2846273.090	2374748.967	471524.123
		65-69	2358758.394	1972781.013	385977.381
70-74		937814.238	787437.288	150376.949	
IHD	Males	30-34	263834.566	168488.093	95346.472
		35-39	692140.150	431180.975	260959.175
		40-44	1519708.432	906599.908	613108.525
		45-49	2568546.697	1473284.791	1095261.91
		50-54	3632929.903	2117291.038	1515638.87
		55-59	2807892.356	1620614.763	1187277.59
		60-64	2599825.934	1622067.833	977758.100
		65-69	1113578.307	735478.119	378100.188
		70-74	437536.271	312110.695	125425.575
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	52190.020	27459.077
		35-39	193965.908	119962.411	74003.496
		40-44	403380.974	237223.072	166157.902
		45-49	671385.408	381792.866	289592.542
		50-54	1011875.989	589684.874	422191.115
		55-59	849875.715	498062.674	351813.042
		60-64	925490.876	583062.241	342428.636
		65-69	455463.881	305557.276	149906.606
70-74		207681.216	148766.773	58914.444	
Stroke	Males	30-34	73463.650	52473.181	20990.469
		35-39	151934.057	106657.081	45276.976
		40-44	262845.974	179007.699	83838.275
		45-49	383421.246	251766.280	131654.966
		50-54	479872.634	299974.096	179898.538
		55-59	437124.903	260034.192	177090.712
		60-64	419457.235	251781.648	167675.586
		65-69	128180.574	77231.643	50948.931
		70-74	53245.965	33673.415	19572.550
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	47173.348	15745.742

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_1.RTF)

		35-39	120806.205	87645.827	33160.379
		40-44	203391.885	141405.070	61986.815
		45-49	278172.097	185742.997	92429.100
		50-54	325979.181	209598.752	116380.429
		55-59	275161.340	169545.804	105615.536
		60-64	268920.493	166288.665	102631.828
		65-69	87956.054	54705.773	33250.281
		70-74	42055.224	26723.360	15331.864
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	30744.471	9803.330
		35-39	70214.933	53591.404	16623.530
		40-44	138408.960	104680.822	33728.138
		45-49	295573.443	220918.503	74654.940
		50-54	603979.438	443438.301	160541.137
		55-59	1086086.992	790032.231	296054.761
		60-64	1465829.290	1100590.346	365238.944
		65-69	1451838.682	1120648.942	331189.740
		70-74	692979.695	546712.273	146267.421
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	27217.238	7442.023
		35-39	65652.924	51319.776	14333.148
		40-44	133169.505	102791.276	30378.230
		45-49	267988.924	203243.460	64745.464
		50-54	523734.121	392421.581	131312.540
		55-59	870859.170	643815.314	227043.856
		60-64	1166683.329	871632.578	295050.750
		65-69	1190003.066	899826.540	290176.526
		70-74	588541.493	447769.804	140771.689
		75-79	0.000	0.000	0.000

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

System Date and Time: 20210220T092236
User: JohnS
SAS Version: 9.4
Project: Population Health Impact Model 7.3

The System is running in Test Mode

Maximum Upper Age for P Component = 79
Upper Age for ELL Calculations = 75
Report in E-component: Social Classes A and B combined
Description: Sensitivity Analysis 2 for VeneBio, Change Switch rate
Assumption Files:
Options Control File: C:\VeneBio\OG_Test\US_Control_V_S2.CSV
TTP Test File: C:\VeneBio\OG_Test\TTP_Test_MAS2.csv
TTP Reference File: C:\VeneBio\OG_Test\TTP_Reference_V.csv
TTP Factor Test File: C:\VeneBio\OG_Test\TTP_FACTOR_Test.csv
TTP Factor Reference File: C:\VeneBio\OG_Test\TTP_FACTOR_Test.csv
TP Socioeconomic Groups: Not Used
Output Choices:C:\VeneBio\OG_Test\OUTC_PA.csv

Main Results will be sent to the folder C:\VeneBio\Main_Results\
Plots will be sent to the folder C:\VeneBio\Plot_Results\Plots_20210220T092236
Saved P, E and/or A Component results will be sent to the folder C:\VeneBio\SAVED\Saved_20210220T092236\

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Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

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Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

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Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Control File Details for Run: 1

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S2A
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_2
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 1, Scenario: Ecig

Variable Parameter

Value

- 1. Country
 - 2. Sex
 - 3. Assumption Set
- Note:

US (United States)
M (Males)
S2A
Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.001921	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.002360	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000188	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000093	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000047	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.002944	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.004193	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000412	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000578	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000218	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.003449	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.004264	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.001965	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000671	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000332	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.003294	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.004442	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000059	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.001351	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000661	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.002198	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.003788	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000304	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000239	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000119	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

25-29	253+	0.263125	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.065616	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.064745	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.064298	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.063133	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.061951	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.061252	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.059822	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.057327	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.055939	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.055939	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 1, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 1, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	476	0.52	0	0.00			
5	All Ages	Ecig	26784	29.02					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26662	28.89			15.29	1755	6.58
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	83	2.34	0	0.00			
5	18-19	Ecig	919	25.93					
5	18-19	Dual	0	0.00					
5	18-19	Former	94	2.65			0.98	69	73.40
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	45	0.50	0	0.00			
5	20-24	Ecig	2740	30.31					
5	20-24	Dual	0	0.00					
5	20-24	Former	468	5.18			2.75	140	29.91
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	22	0.22	0	0.00			
5	25-29	Ecig	3192	32.52					
5	25-29	Dual	0	0.00					
5	25-29	Former	1131	11.52			5.48	107	9.46
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

5	30-34	Never Any	5065	47.50					
5	30-34	CC	12	0.11	0	0.00			
5	30-34	Ecig	3792	35.56					
5	30-34	Dual	0	0.00					
5	30-34	Former	1795	16.83			6.91	128	7.13
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	57	0.52	0	0.00			
5	35-39	Ecig	3737	34.23					
5	35-39	Dual	0	0.00					
5	35-39	Former	2398	21.97			8.24	125	5.21
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	50	0.51	0	0.00			
5	40-44	Ecig	3131	31.66					
5	40-44	Dual	0	0.00					
5	40-44	Former	2767	27.98			12.07	146	5.28
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	51	0.59	0	0.00			
5	45-49	Ecig	2740	31.66					
5	45-49	Dual	0	0.00					
5	45-49	Former	2952	34.11			14.16	164	5.56
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	43	0.66	0	0.00			
5	50-54	Ecig	1952	29.96					
5	50-54	Dual	0	0.00					
5	50-54	Former	2601	39.92			16.18	162	6.23
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	34	0.62	0	0.00			
5	55-59	Ecig	1499	27.37					
5	55-59	Dual	0	0.00					
5	55-59	Former	2333	42.60			17.39	126	5.40
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	30	0.60	0	0.00			
5	60-64	Ecig	1175	23.58					
5	60-64	Dual	0	0.00					
5	60-64	Former	2441	48.99			17.48	137	5.61
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	19	0.39	0	0.00			
5	65-69	Ecig	842	17.17					
5	65-69	Dual	0	0.00					
5	65-69	Former	2875	58.61			20.56	218	7.58
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	18	0.41	0	0.00			
5	70-74	Ecig	624	14.22					
5	70-74	Dual	0	0.00					
5	70-74	Former	2722	62.05			22.05	132	4.85
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	12	0.34	0	0.00			
5	75-79	Ecig	441	12.60					
5	75-79	Dual	0	0.00					
5	75-79	Former	2085	59.59			23.15	101	4.84
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	58	0.06	0	0.00			
10	All Ages	Ecig	25630	27.24					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29227	31.06			16.85	1744	5.97
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	30	0.34	0	0.00			
10	20-24	Ecig	2998	33.89					
10	20-24	Dual	0	0.00					
10	20-24	Former	890	10.06			3.20	271	30.45
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	11	0.12	0	0.00			
10	25-29	Ecig	2768	30.62					
10	25-29	Dual	0	0.00					
10	25-29	Former	920	10.18			4.86	187	20.33
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	9	0.09	0	0.00			
10	30-34	Ecig	3105	31.63					
10	30-34	Dual	0	0.00					
10	30-34	Former	1426	14.53			8.73	105	7.36
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	4	0.04	0	0.00			
10	35-39	Ecig	3574	33.51					
10	35-39	Dual	0	0.00					
10	35-39	Former	2089	19.59			10.51	119	5.70
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	1	0.01	0	0.00			
10	40-44	Ecig	3438	31.50					
10	40-44	Dual	0	0.00					
10	40-44	Former	2753	25.22			11.80	135	4.90
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	0	0.00	0	0.00			
10	45-49	Ecig	2776	28.07					
10	45-49	Dual	0	0.00					
10	45-49	Former	3172	32.08			15.14	165	5.20
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	0	0.00	0	0.00			
10	50-54	Ecig	2310	26.69					
10	50-54	Dual	0	0.00					
10	50-54	Former	3433	39.66			16.74	194	5.65
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	1	0.02	0	0.00			
10	55-59	Ecig	1603	24.60					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2992	45.92			18.69	135	4.51
10	60-64	Never Any		1611	29.41					
10	60-64	CC		0	0.00	0	0.00			
10	60-64	Ecig		1177	21.49					
10	60-64	Dual		0	0.00					
10	60-64	Former		2689	49.10			19.69	141	5.24
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		0	0.00	0	0.00			
10	65-69	Ecig		865	17.36					
10	65-69	Dual		0	0.00					
10	65-69	Former		2781	55.81			19.98	136	4.89
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		2	0.04	0	0.00			
10	70-74	Ecig		581	11.85					
10	70-74	Dual		0	0.00					
10	70-74	Former		3153	64.28			23.52	84	2.66
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		0	0.00	0	0.00			
10	75-79	Ecig		435	9.92					
10	75-79	Dual		0	0.00					
10	75-79	Former		2929	66.77			25.30	72	2.46
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		13	0.01	0	0.00			
15	All Ages	Ecig		21975	24.50					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		30268	33.74			18.43	1541	5.09
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		8	0.09	0	0.00			
15	25-29	Ecig		2848	32.20					
15	25-29	Dual		0	0.00					
15	25-29	Former		1355	15.32			6.13	175	12.92
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		4	0.04	0	0.00			
15	30-34	Ecig		2647	29.28					
15	30-34	Dual		0	0.00					
15	30-34	Former		1347	14.90			7.34	166	12.32
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		1	0.01	0	0.00			

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15	35-39	Ecig	2854	29.07					
15	35-39	Dual	0	0.00					
15	35-39	Former	1798	18.32			11.30	148	8.23
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	0	0.00	0	0.00			
15	40-44	Ecig	3159	29.62					
15	40-44	Dual	0	0.00					
15	40-44	Former	2508	23.52			13.21	200	7.97
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	0	0.00	0	0.00			
15	45-49	Ecig	3021	27.67					
15	45-49	Dual	0	0.00					
15	45-49	Former	3171	29.05			14.84	156	4.92
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	0	0.00	0	0.00			
15	50-54	Ecig	2384	24.11					
15	50-54	Dual	0	0.00					
15	50-54	Former	3564	36.04			18.17	129	3.62
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	0	0.00	0	0.00			
15	55-59	Ecig	1980	22.88					
15	55-59	Dual	0	0.00					
15	55-59	Former	3763	43.48			20.04	106	2.82
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	0	0.00	0	0.00			
15	60-64	Ecig	1266	19.43					
15	60-64	Dual	0	0.00					
15	60-64	Former	3330	51.11			21.47	169	5.08
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	0	0.00	0	0.00			
15	65-69	Ecig	838	15.30					
15	65-69	Dual	0	0.00					
15	65-69	Former	3028	55.29			22.15	124	4.10
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	0	0.00	0	0.00			
15	70-74	Ecig	588	11.80					
15	70-74	Dual	0	0.00					
15	70-74	Former	3058	61.37			22.91	99	3.24
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	0	0.00	0	0.00			
15	75-79	Ecig	390	7.95					
15	75-79	Dual	0	0.00					
15	75-79	Former	3346	68.22			27.00	69	2.06
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	1	0.00	0	0.00			
20	All Ages	Ecig	17817	21.01					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	30879	36.41			19.76	1552	5.03
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	1	0.01	0	0.00			
20	30-34	Ecig	2450	27.70					
20	30-34	Dual	0	0.00					
20	30-34	Former	1886	21.32			8.52	236	12.51
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	0	0.00	0	0.00			
20	35-39	Ecig	2250	24.89					
20	35-39	Dual	0	0.00					
20	35-39	Former	1799	19.90			9.78	140	7.78
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	0	0.00	0	0.00			
20	40-44	Ecig	2499	25.46					
20	40-44	Dual	0	0.00					
20	40-44	Former	2154	21.94			13.92	147	6.82
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	0	0.00	0	0.00			
20	45-49	Ecig	2686	25.19					
20	45-49	Dual	0	0.00					
20	45-49	Former	2981	27.95			15.66	169	5.67
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	0	0.00	0	0.00			
20	50-54	Ecig	2591	23.74					
20	50-54	Dual	0	0.00					
20	50-54	Former	3601	32.99			17.72	171	4.75
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	0	0.00	0	0.00			
20	55-59	Ecig	1919	19.41					
20	55-59	Dual	0	0.00					
20	55-59	Former	4029	40.74			20.72	185	4.59
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	0	0.00	0	0.00			
20	60-64	Ecig	1491	17.23					
20	60-64	Dual	0	0.00					
20	60-64	Former	4252	49.13			22.34	241	5.67
Year of Follow-up: 2010, Age Group: 65-69									

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	0	0.00	0	0.00			
20	65-69	Ecig	874	13.42					
20	65-69	Dual	0	0.00					
20	65-69	Former	3722	57.13			23.91	138	3.71
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	0	0.00	0	0.00			
20	70-74	Ecig	637	11.63					
20	70-74	Dual	0	0.00					
20	70-74	Former	3229	58.96			25.61	68	2.11
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	0	0.00	0	0.00			
20	75-79	Ecig	420	8.43					
20	75-79	Dual	0	0.00					
20	75-79	Former	3226	64.74			26.57	57	1.77
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	0	0.00	0	0.00			
25	All Ages	Ecig	14403	18.05					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	30667	38.42			21.82	1097	3.58
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	0	0.00	0	0.00			
25	35-39	Ecig	2025	22.89					
25	35-39	Dual	0	0.00					
25	35-39	Former	2331	26.35			11.38	141	6.05
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	0	0.00	0	0.00			
25	40-44	Ecig	1950	21.57					
25	40-44	Dual	0	0.00					

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25	40-44	Former	2099	23.22			12.97	113	5.38
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5163	52.60					
25	45-49	CC	0	0.00	0	0.00			
25	45-49	Ecig	2246	22.88					
25	45-49	Dual	0	0.00					
25	45-49	Former	2407	24.52			17.17	82	3.41
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4997	46.86					
25	50-54	CC	0	0.00	0	0.00			
25	50-54	Ecig	2402	22.52					
25	50-54	Dual	0	0.00					
25	50-54	Former	3265	30.62			19.03	135	4.13
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4724	43.28					
25	55-59	CC	0	0.00	0	0.00			
25	55-59	Ecig	2150	19.70					
25	55-59	Dual	0	0.00					
25	55-59	Former	4042	37.03			20.47	157	3.88
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	0	0.00	0	0.00			
25	60-64	Ecig	1457	14.73					
25	60-64	Dual	0	0.00					
25	60-64	Former	4491	45.41			23.27	204	4.54
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	0	0.00	0	0.00			
25	65-69	Ecig	1036	11.97					
25	65-69	Dual	0	0.00					
25	65-69	Former	4707	54.38			24.93	138	2.93
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	0	0.00	0	0.00			
25	70-74	Ecig	652	10.01					
25	70-74	Dual	0	0.00					
25	70-74	Former	3944	60.54			27.40	78	1.98
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	0	0.00	0	0.00			
25	75-79	Ecig	485	8.86					
25	75-79	Dual	0	0.00					
25	75-79	Former	3381	61.73			29.33	49	1.45
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	33136	44.57					
30	All Ages	CC	0	0.00	0	0.00			
30	All Ages	Ecig	11434	15.38					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	29770	40.05			23.90	934	3.14
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	0	0.00	0	0.00			
30	40-44	Ecig	1756	19.85					
30	40-44	Dual	0	0.00					
30	40-44	Former	2600	29.40			14.89	107	4.12
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	0	0.00	0	0.00			
30	45-49	Ecig	1725	19.08					
30	45-49	Dual	0	0.00					
30	45-49	Former	2324	25.71			16.47	63	2.71
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	0	0.00	0	0.00			
30	50-54	Ecig	2041	20.79					
30	50-54	Dual	0	0.00					
30	50-54	Former	2612	26.61			20.56	106	4.06
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	0	0.00	0	0.00			
30	55-59	Ecig	1970	18.47					
30	55-59	Dual	0	0.00					
30	55-59	Former	3697	34.67			21.46	162	4.38
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	0	0.00	0	0.00			
30	60-64	Ecig	1632	14.95					
30	60-64	Dual	0	0.00					
30	60-64	Former	4560	41.77			22.80	217	4.76
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	0	0.00	0	0.00			
30	65-69	Ecig	1052	10.64					
30	65-69	Dual	0	0.00					
30	65-69	Former	4896	49.51			26.12	137	2.80
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	0	0.00	0	0.00			
30	70-74	Ecig	767	8.86					
30	70-74	Dual	0	0.00					
30	70-74	Former	4976	57.49			28.43	91	1.83
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	0	0.00	0	0.00			
30	75-79	Ecig	491	7.54					
30	75-79	Dual	0	0.00					
30	75-79	Former	4105	63.01			31.22	51	1.24
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	0	0.00	0	0.00			
35	All Ages	Ecig	8908	13.13					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	27700	40.84			25.84	778	2.81
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	0	0.00	0	0.00			
35	45-49	Ecig	1549	17.51					
35	45-49	Dual	0	0.00					
35	45-49	Former	2807	31.74			18.60	61	2.17
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	0	0.00	0	0.00			
35	50-54	Ecig	1590	17.59					
35	50-54	Dual	0	0.00					
35	50-54	Former	2459	27.20			20.37	73	2.97
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1688	17.20					
35	55-59	Dual	0	0.00					
35	55-59	Former	2965	30.21			22.75	148	4.99
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	0	0.00	0	0.00			
35	60-64	Ecig	1486	13.93					
35	60-64	Dual	0	0.00					
35	60-64	Former	4181	39.21			23.62	197	4.71
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	0	0.00	0	0.00			
35	65-69	Ecig	1186	10.86					
35	65-69	Dual	0	0.00					
35	65-69	Former	5006	45.86			25.52	151	3.02
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	0	0.00	0	0.00			
35	70-74	Ecig	810	8.19					
35	70-74	Dual	0	0.00					
35	70-74	Former	5138	51.96			29.75	80	1.56
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	0	0.00	0	0.00			
35	75-79	Ecig	599	6.92					
35	75-79	Dual	0	0.00					
35	75-79	Former	5144	59.43			32.41	68	1.32
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	0	0.00	0	0.00			
40	All Ages	Ecig	6555	11.08					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	24310	41.09			27.38	685	2.82
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4489	50.75					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		1396	15.78					
40	50-54	Dual		0	0.00					
40	50-54	Former		2960	33.47			22.46	84	2.84
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		4991	55.21					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		1327	14.68					
40	55-59	Dual		0	0.00					
40	55-59	Former		2722	30.11			23.11	112	4.11
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5163	52.60					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		1264	12.88					
40	60-64	Dual		0	0.00					
40	60-64	Former		3389	34.53			24.52	182	5.37
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		4997	46.86					
40	65-69	CC		0	0.00	0	0.00			
40	65-69	Ecig		1078	10.11					
40	65-69	Dual		0	0.00					
40	65-69	Former		4589	43.03			26.28	130	2.83
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		4724	43.28					
40	70-74	CC		0	0.00	0	0.00			
40	70-74	Ecig		880	8.06					
40	70-74	Dual		0	0.00					
40	70-74	Former		5312	48.66			28.89	99	1.86
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		3941	39.85					
40	75-79	CC		0	0.00	0	0.00			

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

40	75-79	Ecig	610	6.17					
40	75-79	Dual	0	0.00					
40	75-79	Former	5338	53.98			33.53	78	1.46
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	0	0.00	0	0.00			
45	All Ages	Ecig	4596	9.33					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	20321	41.23			28.75	544	2.68
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

45	55-59	Never Any	4489	50.75					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	1171	13.24					
45	55-59	Dual	0	0.00					
45	55-59	Former	3185	36.01			25.65	102	3.20
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	1045	11.56					
45	60-64	Dual	0	0.00					
45	60-64	Former	3004	33.23			25.64	130	4.33
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	919	9.36					
45	65-69	Dual	0	0.00					
45	65-69	Former	3734	38.04			27.00	114	3.05
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	0	0.00	0	0.00			
45	70-74	Ecig	826	7.75					
45	70-74	Dual	0	0.00					
45	70-74	Former	4841	45.40			29.76	100	2.07
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	0	0.00	0	0.00			
45	75-79	Ecig	635	5.82					
45	75-79	Dual	0	0.00					
45	75-79	Former	5557	50.91			32.49	98	1.76
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	0	0.00	0	0.00			
50	All Ages	Ecig	2885	7.52					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	15840	41.29			30.28	417	2.63
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	863	9.76					
50	60-64	Dual	0	0.00					
50	60-64	Former	3493	39.49			28.12	134	3.84
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	719	7.95					
50	65-69	Dual	0	0.00					
50	65-69	Former	3330	36.84			27.85	124	3.72
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	674	6.87					
50	70-74	Dual	0	0.00					
50	70-74	Former	3979	40.54			30.16	83	2.09
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	0	0.00	0	0.00			
50	75-79	Ecig	629	5.90					
50	75-79	Dual	0	0.00					
50	75-79	Former	5038	47.24			33.48	76	1.51

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	2589804.397	1919586	14.599	42.569	3806.31	1305.37	749.692	555.679

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	122162.507	1836.935	0.586	1.481	4883.81	1933.45	1904.81	28.642
1992	308577	122014.015	117532.701	4481.314	1.452	3.673	4729.73	1870.18	1801.49	68.688
1993	311713	122810.618	115309.661	7500.957	2.406	6.108	4692.62	1848.83	1735.90	112.922
1994	305700	119925.592	109543.163	10382.43	3.396	8.657	4516.19	1771.69	1618.31	153.383
1995	303225	117896.496	104671.434	13225.06	4.361	11.218	4393.80	1708.35	1516.71	191.634
1996	299559	115698.645	99856.841	15841.80	5.288	13.692	4273.16	1650.42	1424.44	225.981
1997	294226	113359.847	95298.981	18060.87	6.138	15.932	4128.67	1590.70	1337.27	253.436
1998	289258	111444.212	91410.528	20033.68	6.926	17.976	3992.19	1538.10	1261.60	276.495
1999	311002	114877.722	90020.685	24857.04	7.993	21.638	4224.60	1560.48	1222.83	337.654
2000	303786	112379.704	85692.891	26686.81	8.785	23.747	4066.21	1504.22	1147.01	357.206
2001	296294	110024.943	81566.780	28458.16	9.605	25.865	3914.28	1453.52	1077.56	375.955
2002	291898	108289.173	77767.269	30521.90	10.456	28.186	3813.00	1414.56	1015.86	398.701
2003	285865	106539.023	74365.619	32173.40	11.255	30.199	3695.36	1377.22	961.319	415.903
2004	274177	103037.251	70034.891	33002.36	12.037	32.030	3506.10	1317.61	895.587	422.025
2005	272379	103044.562	68218.866	34825.70	12.786	33.797	3442.69	1302.41	862.241	440.173
2006	264118	99672.555	63632.093	36040.46	13.646	36.159	3307.76	1248.28	796.915	451.363
2007	258419	97839.152	60773.326	37065.83	14.343	37.884	3203.20	1212.75	753.307	459.444
2008	259461	98075.852	59353.800	38722.05	14.924	39.482	3180.09	1202.07	727.472	474.598
2009	253907	95617.338	56088.651	39528.69	15.568	41.341	3075.31	1158.11	679.344	478.770
2010	251878	94607.988	53932.877	40675.11	16.149	42.993	3013.72	1131.98	645.307	486.678
2011	251779	93633.119	51508.030	42125.09	16.731	44.990	2982.76	1109.25	610.203	499.046
2012	252643	92775.175	49200.144	43575.03	17.248	46.968	2960.61	1087.19	576.554	510.636
2013	256175	92345.780	47208.178	45137.60	17.620	48.879	2967.76	1069.82	546.902	522.914
2014	257393	91379.215	45069.943	46309.27	17.992	50.678	2947.05	1046.26	516.033	530.223
2015	259782	90750.242	43280.335	47469.91	18.273	52.308	3346.10	1168.90	557.469	611.432
2016	261453	88811.996	40402.449	48409.55	18.516	54.508	3336.15	1133.24	515.537	617.708
2017	263685	87325.126	38102.969	49222.16	18.667	56.367	3333.85	1104.08	481.748	622.331
2018	258714	87612.144	37407.935	50204.21	19.405	57.303	3240.73	1097.46	468.583	628.873
2019	261438	87797.760	36125.389	51672.37	19.765	58.854	3242.99	1089.08	448.115	640.967
2020	262288	87221.042	34818.366	52402.68	19.979	60.080	3715.29	1235.48	493.199	742.280
2021	255079	82001.292	30824.733	51176.56	20.063	62.409	3587.82	1153.39	433.565	719.824
2022	257097	81915.977	29506.653	52409.32	20.385	63.979	3588.53	1143.37	411.851	731.524
2023	259080	81810.810	28220.370	53590.44	20.685	65.505	3586.88	1132.64	390.702	741.943
2024	260719	81528.303	26946.163	54582.14	20.935	66.949	3579.65	1119.38	369.969	749.409
2025	257308	79599.213	25537.044	54062.17	21.011	67.918	4112.08	1272.09	408.111	863.976
2026	251528	75082.462	22627.006	52455.46	20.855	69.864	4003.24	1194.99	360.124	834.864
2027	250988	74444.425	21391.924	53052.50	21.137	71.265	3976.53	1179.46	338.923	840.538
2028	250285	73699.585	20134.590	53565.00	21.402	72.680	3945.35	1161.76	317.391	844.369
2029	249525	72819.703	18903.271	53916.43	21.608	74.041	3910.99	1141.36	296.285	845.072
2030	240528	69309.277	17544.936	51764.34	21.521	74.686	4504.36	1297.95	328.563	969.387
2031	235442	65433.368	15545.638	49887.73	21.189	76.242	4397.65	1222.18	290.365	931.816
2032	234017	64643.552	14544.279	50099.27	21.408	77.501	4356.12	1203.31	270.735	932.574
2033	232559	63793.514	13614.656	50178.86	21.577	78.658	4310.93	1182.54	252.374	930.162
2034	230963	63032.151	12727.589	50304.56	21.780	79.808	4260.75	1162.80	234.795	928.005
2035	215822	57653.301	11505.624	46147.68	21.382	80.043	4924.38	1315.47	262.523	1052.95
2036	208183	52988.733	9606.555	43382.18	20.838	81.871	4748.94	1208.75	219.139	989.607
2037	205491	52026.921	8863.837	43163.08	21.005	82.963	4682.40	1185.50	201.974	983.528
2038	202834	50943.211	8129.322	42813.89	21.108	84.042	4612.18	1158.38	184.850	973.533
2039	200251	50085.991	7499.843	42586.15	21.266	85.026	4538.65	1135.19	169.983	965.208

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1558068.696	686919.4	22.405	30.598	887.537	649.875	451.027	198.848

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62688.694	229.708	0.293	0.365	1223.41	981.049	977.468	3.582
1992	77987	62366.766	61794.914	571.852	0.733	0.917	1195.35	955.930	947.165	8.765
1993	78542	62652.888	61663.311	989.577	1.260	1.579	1182.39	943.195	928.297	14.897
1994	77437	61565.227	60150.303	1414.924	1.827	2.298	1144.00	909.520	888.617	20.903
1995	76904	60851.961	58978.216	1873.745	2.436	3.079	1114.36	881.759	854.608	27.151
1996	76232	60122.922	57739.544	2383.378	3.126	3.964	1087.44	857.643	823.644	33.998
1997	75473	59237.155	56352.354	2884.801	3.822	4.870	1059.06	831.234	790.754	40.480
1998	75381	58906.696	55432.297	3474.399	4.609	5.898	1040.37	813.001	765.049	47.952
1999	73159	56930.073	52934.920	3995.153	5.461	7.018	993.781	773.329	719.060	54.270
2000	73784	57137.121	52448.129	4688.992	6.355	8.207	987.608	764.787	702.025	62.763
2001	73294	56481.726	51087.897	5393.830	7.359	9.550	968.273	746.169	674.912	71.257
2002	72442	55588.365	49485.751	6102.614	8.424	10.978	946.293	726.138	646.421	79.717
2003	71942	54945.856	48056.492	6889.364	9.576	12.538	929.989	710.281	621.223	89.058
2004	71301	54203.126	46512.345	7690.781	10.786	14.189	911.778	693.135	594.787	98.348
2005	70964	53744.603	45228.057	8516.546	12.001	15.846	896.937	679.296	571.652	107.643
2006	69658	52535.572	43208.047	9327.524	13.390	17.755	872.383	657.945	541.129	116.816
2007	68565	51492.124	41379.804	10112.32	14.749	19.639	849.888	638.264	512.918	125.346
2008	68226	51030.736	39953.222	11077.51	16.236	21.708	836.215	625.460	489.688	135.772
2009	67509	50276.199	38301.552	11974.65	17.738	23.818	817.667	608.943	463.907	145.036
2010	67196	49840.933	36951.586	12889.35	19.182	25.861	804.000	596.347	442.126	154.221
2011	66506	49072.841	35225.722	13847.12	20.821	28.217	787.880	581.354	417.311	164.043
2012	66155	48539.512	33673.504	14866.01	22.471	30.627	775.240	568.812	394.604	174.208
2013	65333	47675.741	31924.248	15751.49	24.110	33.039	756.876	552.318	369.839	182.479
2014	65033	47194.534	30549.614	16644.92	25.595	35.269	744.602	540.359	349.781	190.578
2015	64145	46305.842	28892.665	17413.18	27.147	37.605	726.215	526.439	372.150	224.289
2016	61618	44208.867	26518.590	17690.28	28.710	40.015	786.248	564.107	338.378	225.729
2017	59897	42702.624	24653.472	18049.15	30.134	42.267	757.297	539.903	311.702	228.201
2018	62468	44321.202	24409.598	19911.60	31.875	44.926	782.490	555.181	305.762	249.419
2019	63045	44493.088	23424.497	21068.59	33.418	47.353	782.035	551.912	290.568	261.344
2020	63466	44529.551	22444.473	22085.08	34.798	49.596	898.991	630.757	317.924	312.833
2021	57113	39852.556	19112.466	20740.09	36.314	52.042	803.323	560.546	268.826	291.720
2022	57440	39853.685	18143.517	21710.17	37.796	54.475	801.745	556.274	253.245	303.028
2023	57738	39847.050	17194.573	22652.48	39.233	56.849	799.366	551.670	238.053	313.616
2024	57942	39726.010	16259.320	23466.69	40.500	59.071	795.539	545.435	223.239	322.196
2025	57521	39207.348	15293.340	23914.01	41.574	60.994	919.257	626.579	244.405	382.174
2026	51428	34803.960	12857.305	21946.66	42.675	63.058	818.510	553.929	204.633	349.296
2027	51172	34484.595	12028.884	22455.71	43.883	65.118	810.740	546.357	190.580	355.777
2028	50870	34100.638	11206.566	22894.07	45.005	67.137	801.884	537.544	176.654	360.890
2029	50540	33669.838	10419.315	23250.52	46.004	69.054	792.146	527.732	163.310	364.423
2030	49109	32557.688	9609.923	22947.77	46.728	70.483	919.662	609.705	179.964	429.741
2031	43585	28646.393	8010.052	20636.34	47.347	72.038	814.096	535.065	149.614	385.451
2032	43163	28227.160	7427.534	20799.63	48.189	73.687	803.454	525.435	138.260	387.175
2033	42725	27786.623	6894.556	20892.07	48.899	75.188	791.996	515.079	127.804	387.275
2034	42256	27348.299	6395.393	20952.91	49.586	76.615	779.523	504.514	117.980	386.534
2035	39748	25570.077	5761.583	19808.49	49.835	77.467	906.933	583.430	131.462	451.969
2036	34030	21717.319	4519.671	17197.65	50.537	79.189	776.269	495.402	103.100	392.302
2037	33454	21256.024	4157.743	17098.28	51.110	80.440	762.289	484.347	94.740	389.607
2038	32883	20747.175	3809.309	16937.87	51.509	81.639	747.720	471.764	86.619	385.145
2039	32325	20327.688	3518.091	16809.60	52.002	82.693	732.644	460.724	79.737	380.987

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6360041	1098877.421	380319.866	718557.6	11.298	65.390	1841.09	318.101	110.094	208.007

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000	
1991	168044	37309.838	35999.316	1310.522	0.780	3.513	2620.21	581.750	561.316	20.434
1992	164548	36137.488	32935.174	3202.314	1.946	8.861	2522.12	553.899	504.815	49.084
1993	164362	35599.588	30288.818	5310.769	3.231	14.918	2474.35	535.926	455.977	79.950
1994	159866	34336.757	27041.907	7294.850	4.563	21.245	2361.75	507.267	399.498	107.769
1995	158083	33455.759	24234.223	9221.536	5.833	27.563	2290.66	484.782	351.159	133.622
1996	154875	32193.824	21313.756	10880.07	7.025	33.796	2209.26	459.239	304.037	155.202
1997	149970	30665.509	18503.639	12161.87	8.110	39.660	2104.43	430.308	259.649	170.659
1998	145407	29188.430	16045.236	13143.19	9.039	45.029	2006.83	402.844	221.448	181.396
1999	165952	33375.386	16443.101	16932.28	10.203	50.733	2254.27	453.366	223.361	230.006
2000	160260	32024.754	14283.291	17741.46	11.070	55.399	2145.10	428.655	191.184	237.472
2001	154444	30682.393	12215.373	18467.02	11.957	60.188	2040.33	405.339	161.375	243.964
2002	151887	30218.370	10747.323	19471.05	12.819	64.434	1984.06	394.736	140.390	254.346
2003	146733	29175.202	9258.005	19917.20	13.574	68.268	1896.81	377.146	119.678	257.468
2004	138381	27488.687	7761.220	19727.47	14.256	71.766	1769.58	351.518	99.248	252.270
2005	135881	27017.439	6838.742	20178.70	14.850	74.688	1717.44	341.482	86.437	255.045
2006	131922	26231.435	5826.242	20405.19	15.468	77.789	1652.16	328.517	72.967	255.551
2007	126502	25103.049	4949.810	20153.24	15.931	80.282	1568.04	311.161	61.355	249.807
2008	125859	24621.740	4394.460	20227.28	16.071	82.152	1542.60	301.777	53.861	247.916
2009	122428	23741.177	3833.167	19908.01	16.261	83.854	1482.84	287.552	46.427	241.125
2010	120537	23189.160	3407.018	19782.14	16.412	85.308	1442.22	277.458	40.765	236.693
2011	120221	22786.927	3015.929	19771.00	16.446	86.765	1424.23	269.951	35.729	234.222
2012	120927	22485.295	2716.254	19769.04	16.348	87.920	1417.09	263.495	31.831	231.664
2013	122648	22251.884	2481.705	19770.18	16.119	88.847	1420.86	257.786	28.750	229.035
2014	123229	21894.593	2260.421	19634.17	15.933	89.676	1410.92	250.685	25.881	224.804
2015	123774	21471.109	2066.930	19404.18	15.677	90.373	1594.26	276.557	26.623	249.934
2016	126218	21411.568	1901.104	19510.46	15.458	91.121	1610.55	273.213	24.258	248.954
2017	128265	21169.399	1760.599	19408.80	15.132	91.683	1621.69	267.651	22.260	245.392
2018	121429	19830.576	1553.325	18277.25	15.052	92.167	1521.05	248.404	19.457	228.946
2019	121832	19431.014	1449.080	17981.93	14.760	92.542	1511.26	241.031	17.975	223.056
2020	120811	18532.612	1325.211	17207.40	14.243	92.849	1711.27	262.513	18.772	243.741
2021	119407	18234.128	1245.398	16988.73	14.228	93.170	1679.51	256.472	17.517	238.955
2022	119438	17812.559	1173.543	16639.02	13.931	93.412	1667.10	248.626	16.380	232.246
2023	119445	17361.668	1112.647	16249.02	13.604	93.591	1653.68	240.367	15.404	224.963
2024	119305	16929.676	1064.483	15865.19	13.298	93.712	1638.05	232.443	14.615	217.828
2025	115685	15501.666	953.589	14548.08	12.576	93.848	1848.78	247.735	15.239	232.495
2026	115073	15523.814	950.778	14573.04	12.664	93.875	1831.46	247.072	15.132	231.940
2027	113989	15073.070	915.686	14157.38	12.420	93.925	1805.98	238.810	14.508	224.303
2028	112855	14636.710	880.090	13756.62	12.190	93.987	1778.98	230.725	13.873	216.852
2029	111718	14180.166	848.660	13331.51	11.933	94.015	1751.04	222.256	13.302	208.954
2030	104851	12111.772	710.000	11401.77	10.874	94.138	1963.54	226.816	13.296	213.520
2031	105289	12417.367	730.366	11687.00	11.100	94.118	1966.62	231.935	13.642	218.293
2032	103879	12054.064	702.448	11351.62	10.928	94.173	1933.67	224.381	13.076	211.305
2033	102485	11672.389	672.415	10999.97	10.733	94.239	1899.76	216.370	12.465	203.906
2034	101070	11365.762	655.469	10710.29	10.597	94.233	1864.51	209.673	12.092	197.581
2035	90820	8580.360	475.837	8104.523	8.924	94.454	2072.23	195.777	10.857	184.920
2036	92117	8948.841	495.274	8453.566	9.177	94.465	2101.31	204.135	11.298	192.837
2037	90327	8624.570	477.514	8147.055	9.020	94.463	2058.21	196.522	10.881	185.642
2038	88590	8315.017	455.528	7859.488	8.872	94.522	2014.42	189.073	10.358	178.715
2039	86921	8001.132	438.035	7563.096	8.701	94.525	1970.05	181.344	9.928	171.416

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	1489699	149918.462	51781.016	98137.45	6.588	65.461	431.236	43.398	14.989	28.409

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	0.000	
1991	32619	4555.566	4377.143	178.423	0.547	3.917	508.609	71.032	68.250	2.782
1992	32100	4453.572	4035.038	418.534	1.304	9.398	492.014	68.262	61.847	6.415
1993	32896	4462.473	3773.421	689.052	2.095	15.441	495.226	67.179	56.806	10.373
1994	33323	4499.513	3533.699	965.814	2.898	21.465	492.290	66.473	52.204	14.268
1995	33569	4472.774	3249.629	1223.145	3.644	27.346	486.422	64.812	47.088	17.724
1996	33870	4406.878	2947.955	1458.923	4.307	33.106	483.150	62.863	42.052	20.811
1997	33516	4288.158	2631.870	1656.288	4.942	38.625	470.307	60.173	36.931	23.242
1998	32795	4120.148	2311.809	1808.339	5.514	43.890	452.620	56.864	31.906	24.958
1999	33375	3982.443	2039.697	1942.746	5.821	48.783	453.361	54.097	27.707	26.390
2000	33459	4021.411	1878.693	2142.718	6.404	53.283	447.853	53.827	25.147	28.681
2001	32275	3848.092	1632.198	2215.895	6.866	57.584	426.379	50.836	21.563	29.274
2002	31586	3783.081	1458.780	2324.301	7.359	61.439	412.601	49.418	19.056	30.362
2003	30985	3754.415	1309.997	2444.418	7.889	65.108	400.541	48.533	16.934	31.599
2004	29884	3666.274	1160.669	2505.605	8.384	68.342	382.149	46.883	14.842	32.041
2005	28708	3589.688	1030.039	2559.649	8.916	71.306	362.850	45.371	13.019	32.352
2006	28188	3596.985	931.198	2665.787	9.457	74.112	353.021	45.048	11.662	33.386
2007	28026	3560.798	834.681	2726.116	9.727	76.559	347.392	44.137	10.346	33.791
2008	27128	3417.001	725.899	2691.102	9.920	78.756	332.495	41.881	8.897	32.984
2009	27068	3394.390	657.044	2737.346	10.113	80.643	327.847	41.113	7.958	33.155
2010	26911	3340.137	591.626	2748.511	10.213	82.287	321.990	39.965	7.079	32.886
2011	26959	3285.435	534.348	2751.087	10.205	83.736	319.377	38.922	6.330	32.591
2012	27057	3259.209	484.620	2774.590	10.255	85.131	317.068	38.193	5.679	32.514
2013	27904	3274.703	449.233	2825.469	10.126	86.282	323.265	37.937	5.204	32.733
2014	28792	3298.083	416.733	2881.350	10.007	87.364	329.657	37.762	4.771	32.990
2015	29560	3244.406	383.772	2860.634	9.677	88.171	380.745	41.789	4.943	36.846
2016	30513	3314.836	364.750	2950.086	9.668	88.996	389.347	42.297	4.654	37.643
2017	31416	3333.314	342.989	2990.325	9.518	89.710	397.202	42.144	4.337	37.808
2018	29348	2925.242	284.360	2640.882	8.998	90.279	367.626	36.642	3.562	33.080
2019	29598	2864.628	262.925	2601.703	8.790	90.822	367.149	35.534	3.261	32.273
2020	29592	2730.366	239.127	2491.239	8.419	91.242	419.174	38.675	3.387	35.288
2021	30097	2647.911	219.628	2428.282	8.068	91.706	423.328	37.244	3.089	34.155
2022	30304	2586.165	203.956	2382.209	7.861	92.114	422.974	36.097	2.847	33.251
2023	30505	2517.960	189.972	2327.988	7.631	92.455	422.337	34.860	2.630	32.230
2024	30661	2454.161	177.865	2276.296	7.424	92.753	420.968	33.695	2.442	31.253
2025	30254	2275.364	159.514	2115.851	6.994	92.990	483.488	36.363	2.549	33.814
2026	30685	2183.166	148.656	2034.510	6.630	93.191	488.380	34.747	2.366	32.381
2027	30561	2112.345	140.127	1972.218	6.453	93.366	484.196	33.467	2.220	31.247
2028	30412	2046.677	132.393	1914.284	6.295	93.531	479.392	32.263	2.087	30.176
2029	30254	1977.671	125.256	1852.416	6.123	93.667	474.195	30.997	1.963	29.034
2030	29330	1744.457	108.408	1636.048	5.578	93.786	549.260	32.668	2.030	30.638
2031	28976	1653.738	100.568	1553.170	5.360	93.919	541.223	30.889	1.878	29.011
2032	28724	1603.120	95.060	1508.061	5.250	94.070	534.690	29.841	1.769	28.072
2033	28464	1548.245	90.178	1458.067	5.123	94.175	527.627	28.700	1.672	27.028
2034	28178	1511.985	86.754	1425.230	5.058	94.262	519.826	27.893	1.600	26.292
2035	26737	1239.866	69.800	1170.066	4.376	94.370	610.065	28.290	1.593	26.697
2036	25591	1182.522	65.629	1116.892	4.364	94.450	583.762	26.975	1.497	25.478
2037	25143	1134.483	63.050	1071.433	4.261	94.442	572.916	25.851	1.437	24.414
2038	24693	1093.537	59.943	1033.593	4.186	94.518	561.491	24.866	1.363	23.503
2039	24247	1047.905	57.154	990.751	4.086	94.546	549.553	23.751	1.295	22.455

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	2233143	1015606.587	599634.819	415971.8	18.627	40.958	646.447	293.996	173.581	120.415

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	0.000
1991	34092	19215.636	19097.354	118.283	0.347	0.616	531.576	299.618	1.844
1992	33942	19056.189	18767.574	288.615	0.850	1.515	520.248	292.085	4.424
1993	35913	20095.670	19584.111	511.559	1.424	2.546	540.645	302.526	7.701
1994	35074	19524.095	18817.254	706.840	2.015	3.620	518.158	288.435	10.442
1995	34669	19116.002	18209.366	906.636	2.615	4.743	502.362	276.995	13.137
1996	34582	18975.021	17855.586	1119.435	3.237	5.900	493.306	270.675	15.969
1997	35267	19169.025	17811.118	1357.906	3.850	7.084	494.878	268.986	19.055
1998	35675	19228.937	17621.186	1607.752	4.507	8.361	492.368	265.388	22.189
1999	38516	20589.820	18602.967	1986.853	5.159	9.650	523.195	279.689	26.989
2000	36283	19196.417	17082.778	2113.640	5.825	11.011	485.652	256.946	28.291
2001	36281	19012.731	16631.312	2381.419	6.564	12.525	479.301	251.174	31.460
2002	35983	18699.357	16075.416	2623.942	7.292	14.032	470.038	244.265	34.276
2003	36205	18663.550	15741.125	2922.425	8.072	15.658	468.019	241.262	37.778
2004	34611	17679.164	14600.658	3078.506	8.895	17.413	442.596	226.076	39.367
2005	36826	18692.832	15122.028	3570.804	9.696	19.103	465.456	236.265	45.133
2006	34350	17308.564	13666.606	3641.957	10.602	21.041	430.192	216.769	45.611
2007	35326	17683.181	13609.030	4074.151	11.533	23.040	437.879	219.189	50.501
2008	38248	19006.374	14280.219	4726.155	12.357	24.866	468.788	232.952	57.926
2009	36902	18205.573	13296.887	4908.685	13.302	26.963	446.956	220.505	59.454
2010	37234	18237.758	12982.646	5255.112	14.114	28.814	445.505	218.215	62.877
2011	38093	18487.916	12732.031	5755.885	15.110	31.133	451.279	219.022	68.189
2012	38504	18491.158	12325.766	6165.392	16.012	33.342	451.211	216.689	72.249
2013	40290	19143.452	12352.991	6790.461	16.854	35.471	466.755	221.775	78.667
2014	40339	18992.005	11843.175	7148.830	17.722	37.641	461.866	217.451	81.851
2015	42303	19728.885	11936.967	7791.917	18.419	39.495	544.880	254.116	100.363
2016	43104	19876.724	11618.005	8258.719	19.160	41.550	550.009	253.628	105.382
2017	44107	20119.790	11345.909	8773.881	19.892	43.608	557.659	254.381	110.931
2018	45469	20535.123	11160.652	9374.472	20.617	45.651	569.564	257.229	117.427
2019	46963	21009.029	10988.887	10020.14	21.336	47.694	582.552	260.605	124.294
2020	48419	21428.512	10809.554	10618.96	21.931	49.555	685.853	303.533	150.417
2021	48463	21266.697	10247.240	11019.46	22.738	51.816	681.652	299.127	144.133
2022	49915	21663.568	9985.637	11677.93	23.396	53.906	696.712	302.378	162.999
2023	51391	22084.131	9723.178	12360.95	24.053	55.972	711.491	305.748	171.133
2024	52811	22418.456	9444.494	12973.96	24.567	57.872	725.093	307.804	178.132
2025	53848	22614.834	9130.602	13484.23	25.041	59.626	860.553	361.411	215.494
2026	54342	22571.522	8670.268	13901.25	25.581	61.588	864.886	359.241	221.248
2027	55267	22774.416	8307.228	14467.19	26.177	63.524	875.619	360.827	229.211
2028	56149	22915.561	7915.541	15000.02	26.715	65.458	885.102	361.228	236.452
2029	57014	22992.027	7510.041	15481.99	27.155	67.336	893.616	360.371	242.661
2030	57238	22895.360	7116.604	15778.76	27.567	68.917	1071.90	428.760	295.488
2031	57592	22715.871	6704.652	16011.22	27.801	70.485	1075.71	424.293	299.062
2032	58251	22759.207	6319.238	16439.97	28.223	72.234	1084.31	423.652	306.022
2033	58885	22786.258	5957.508	16828.75	28.579	73.855	1091.54	422.387	311.953
2034	59460	22806.106	5589.973	17216.13	28.954	75.489	1096.89	420.721	317.599
2035	58516	22262.998	5198.405	17064.59	29.162	76.650	1335.15	507.973	389.361
2036	56446	21140.051	4525.980	16614.07	29.434	78.590	1287.60	482.234	378.990
2037	56568	21011.845	4165.530	16846.32	29.781	80.175	1288.98	478.783	383.866
2038	56668	20787.483	3804.542	16982.94	29.969	81.698	1288.55	472.681	386.170
2039	56758	20709.267	3486.563	17222.70	30.344	83.164	1286.40	469.372	390.350

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13371617	4509390.583	2614326.714	1895064	14.172	42.025	3823.33	1305.37	747.511	557.859

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	122162.507	1836.935	0.586	1.481	4883.81	1933.45	1904.81	28.642
1992	308592	122014.015	117538.230	4475.786	1.450	3.668	4729.81	1870.18	1801.52	68.655
1993	311763	122810.618	115328.131	7482.487	2.400	6.093	4692.90	1848.83	1736.01	112.815
1994	305807	119925.592	109581.610	10343.98	3.383	8.625	4516.80	1771.69	1618.53	153.161
1995	303409	117896.496	104735.482	13161.01	4.338	11.163	4394.83	1708.35	1517.08	191.268
1996	299837	115698.645	99950.638	15748.01	5.252	13.611	4274.69	1650.42	1424.97	225.451
1997	294612	113359.847	95426.238	17933.61	6.087	15.820	4130.78	1590.70	1337.98	252.721
1998	289766	111444.212	91574.103	19870.11	6.857	17.830	3994.95	1538.10	1262.52	275.581
1999	311701	114877.722	90227.712	24650.01	7.908	21.458	4228.38	1560.48	1223.98	336.500
2000	304650	112379.704	85942.705	26437.00	8.678	23.525	4070.82	1504.22	1148.39	355.826
2001	297324	110024.943	81858.217	28166.73	9.473	25.600	3919.70	1453.52	1079.16	374.360
2002	293109	108289.173	78099.955	30189.22	10.300	27.878	3819.31	1414.56	1017.67	396.890
2003	287255	106539.023	74739.326	31799.70	11.070	29.848	3702.50	1377.22	963.334	413.888
2004	275717	103037.251	70442.202	32595.05	11.822	31.634	3513.92	1317.61	897.763	419.850
2005	274121	103044.562	68671.496	34373.07	12.539	33.357	3451.42	1302.41	864.634	437.779
2006	266018	99672.555	64107.978	35564.58	13.369	35.681	3317.16	1248.28	799.407	448.872
2007	260496	97839.152	61281.525	36557.63	14.034	37.365	3213.36	1212.75	755.942	456.810
2008	261775	98075.852	59904.466	38171.39	14.582	38.920	3191.31	1202.07	730.298	471.772
2009	256403	95617.338	56662.848	38954.49	15.193	40.740	3087.28	1158.11	682.262	475.852
2010	254587	94607.988	54538.627	40069.36	15.739	42.353	3026.55	1131.98	648.361	483.623
2011	254726	93633.119	52138.675	41494.44	16.290	44.316	2996.65	1109.25	613.369	495.880
2012	255849	92775.175	49853.835	42921.34	16.776	46.264	2975.62	1087.19	579.817	507.372
2013	259693	92345.780	47887.352	44458.43	17.120	48.143	2984.17	1069.82	550.279	519.536
2014	261204	91379.215	45770.472	45608.74	17.461	49.912	2964.74	1046.26	519.508	526.749
2015	263927	90750.242	44003.312	46746.93	17.712	51.512	3363.99	1168.90	560.861	608.040
2016	265915	88811.996	41126.014	47685.98	17.933	53.693	3355.35	1133.24	518.933	614.311
2017	268499	87325.126	38832.682	48492.44	18.061	55.531	3354.64	1104.08	485.178	618.901
2018	263727	87612.144	38170.699	49441.44	18.747	56.432	3262.26	1097.46	472.166	625.290
2019	266820	87797.760	36908.890	50888.87	19.072	57.961	3266.13	1089.08	451.801	637.281
2020	268057	87221.042	35621.542	51599.50	19.249	59.159	3737.38	1235.48	496.653	738.826
2021	260989	82001.292	31577.261	50424.03	19.320	61.492	3610.37	1153.39	436.821	716.568
2022	263372	81915.977	30265.995	51649.98	19.611	63.052	3612.63	1143.37	415.155	728.220
2023	265732	81810.810	28984.616	52826.19	19.880	64.571	3612.60	1132.64	394.044	738.601
2024	267752	81528.303	27713.189	53815.11	20.099	66.008	3607.06	1119.38	373.342	746.036
2025	264697	79599.213	26303.738	53295.47	20.135	66.955	4136.60	1272.09	411.066	861.022
2026	259057	75082.462	23341.703	51740.76	19.973	68.912	4028.23	1194.99	362.954	832.034
2027	258831	74444.425	22098.169	52346.26	20.224	70.316	4003.03	1179.46	341.765	837.695
2028	258440	73699.585	20829.025	52870.56	20.458	71.738	3973.39	1161.76	320.236	841.523
2029	257993	72819.703	19582.784	53236.92	20.635	73.108	3940.61	1141.36	299.110	842.247
2030	249221	69309.277	18208.667	51100.61	20.504	73.728	4529.60	1297.95	330.943	967.006
2031	244216	65433.368	16156.265	49277.10	20.178	75.309	4422.79	1222.18	292.592	929.589
2032	243054	64643.552	15136.482	49507.07	20.369	76.585	4382.67	1203.31	272.936	930.372
2033	241854	63793.514	14189.011	49604.50	20.510	77.758	4338.92	1182.54	254.554	927.983
2034	240508	63032.151	13282.912	49749.24	20.685	78.927	4290.18	1162.80	236.941	925.860
2035	225336	57653.301	12034.886	45618.41	20.245	79.125	4949.47	1315.47	264.345	1051.13
2036	217506	52988.733	10057.505	42931.23	19.738	81.020	4771.58	1208.75	220.638	988.107
2037	214949	52026.921	9291.487	42735.43	19.882	82.141	4706.01	1185.50	203.424	982.078
2038	212418	50943.211	8532.072	42411.14	19.966	83.252	4636.78	1158.38	186.242	972.141
2039	209957	50085.991	7880.413	42205.58	20.102	84.266	4564.22	1135.19	171.311	963.880

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3113304	2244988.113	1572949.496	672038.6	21.586	29.935	890.183	649.875	449.752	200.124

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62688.694	229.708	0.293	0.365	1223.41	981.049	977.468	3.582
1992	77991	62366.766	61797.866	568.900	0.729	0.912	1195.37	955.930	947.182	8.747
1993	78555	62652.888	61673.301	979.586	1.247	1.564	1182.47	943.195	928.356	14.839
1994	77464	61565.227	60171.605	1393.621	1.799	2.264	1144.16	909.520	888.742	20.779
1995	76951	60851.961	59014.541	1837.420	2.388	3.019	1114.63	881.759	854.817	26.941
1996	76304	60122.922	57793.958	2328.963	3.052	3.874	1087.84	857.643	823.953	33.690
1997	75574	59237.155	56427.703	2809.452	3.717	4.743	1059.63	831.234	791.178	40.057
1998	75516	58906.696	55531.505	3375.191	4.470	5.730	1041.12	813.001	765.603	47.398
1999	73327	56930.073	53056.503	3873.570	5.283	6.804	994.710	773.329	719.736	53.593
2000	73998	57137.121	52600.737	4536.384	6.130	7.939	988.780	764.787	702.865	61.922
2001	73554	56481.726	51270.046	5211.681	7.086	9.227	969.683	746.169	675.907	70.262
2002	72749	55588.365	49697.009	5891.356	8.098	10.598	947.946	726.138	647.567	78.571
2003	72300	54945.856	48297.310	6648.547	9.196	12.100	931.888	710.281	622.516	87.765
2004	71711	54203.126	46782.282	7420.843	10.348	13.691	913.932	693.135	596.225	96.910
2005	71429	53744.603	45527.643	8216.960	11.504	15.289	899.353	679.296	573.233	106.063
2006	70172	52535.572	43530.999	9004.573	12.832	17.140	875.028	657.945	542.818	115.126
2007	69131	51492.124	41725.976	9766.148	14.127	18.966	852.774	638.264	514.713	123.550
2008	68850	51030.736	40323.871	10706.86	15.551	20.981	839.355	625.460	491.590	133.870
2009	68189	50276.199	38693.793	11582.41	16.986	23.038	821.051	608.943	465.902	143.042
2010	67938	49840.933	37366.792	12474.14	18.361	25.028	807.656	596.347	444.221	152.126
2011	67306	49072.841	35657.581	13415.26	19.932	27.337	791.805	581.354	419.483	161.871
2012	67017	48539.512	34121.458	14418.05	21.514	29.704	779.429	568.812	396.844	171.968
2013	66253	47675.741	32383.886	15291.85	23.081	32.075	761.317	552.318	372.127	180.191
2014	66022	47194.534	31025.569	16168.96	24.490	34.260	749.366	540.359	352.149	188.210
2015	65192	46305.842	29376.025	16929.82	25.969	36.561	730.927	526.439	327.424	222.015
2016	62695	44208.867	26994.620	17214.25	27.457	38.938	710.094	514.107	310.622	223.485
2017	61017	42702.624	25127.010	17575.61	28.804	41.158	702.350	503.903	303.939	225.964
2018	63707	44321.202	24908.732	19412.47	30.471	43.800	788.047	555.181	308.117	247.063
2019	64373	44493.088	23933.956	20559.13	31.938	46.207	787.984	551.912	292.975	258.937
2020	64886	44529.551	22963.124	21566.43	33.237	48.432	904.676	630.757	320.163	310.595
2021	58467	39852.556	19580.682	20271.87	34.673	50.867	808.793	560.546	270.868	289.678
2022	58873	39853.685	18611.992	21241.69	36.080	53.299	807.556	556.274	255.298	300.976
2023	59252	39847.050	17661.680	22185.37	37.442	55.676	805.531	551.670	240.109	311.561
2024	59537	39726.010	16723.513	23002.50	38.635	57.903	802.068	545.435	225.293	320.142
2025	59194	39207.348	15752.974	23454.37	39.623	59.821	925.064	626.579	246.182	380.397
2026	52997	34803.960	13264.547	21539.41	40.642	61.888	824.088	553.929	206.258	347.670
2027	52802	34484.595	12426.999	22057.60	41.775	63.964	816.616	546.357	192.193	354.164
2028	52559	34100.638	11593.860	22506.78	42.822	66.001	808.064	537.544	178.250	359.294
2029	52287	33669.838	10794.480	22875.36	43.750	67.940	798.632	527.732	164.876	362.856
2030	50902	32557.688	9973.099	22584.59	44.369	69.368	925.137	609.705	181.261	428.444
2031	45233	28646.393	8324.737	20321.66	44.927	70.940	819.177	535.065	150.762	384.303
2032	44853	28227.160	7729.801	20497.36	45.699	72.616	808.781	525.435	139.381	386.054
2033	44457	27786.623	7185.013	20601.61	46.340	74.142	797.572	515.079	128.901	386.178
2034	44026	27348.299	6673.886	20674.41	46.959	75.597	785.343	504.514	119.049	385.465
2035	41515	25570.077	6025.377	19544.70	47.079	76.436	911.863	583.430	132.347	451.084
2036	35559	21717.319	4730.006	16987.31	47.772	78.220	780.082	495.402	103.765	391.637
2037	34998	21256.024	4356.419	16899.60	48.287	79.505	766.240	484.347	95.378	388.969
2038	34442	20747.175	3996.048	16751.13	48.636	80.739	751.811	471.764	87.228	384.536
2039	33896	20327.688	3694.548	16633.14	49.071	81.825	736.867	460.724	80.315	380.409

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6458452	1098877.421	381642.115	717235.3	11.105	65.270	1846.66	318.101	109.122	208.979

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000	
1991	168044	37309.838	35999.316	1310.522	0.780	3.513	2620.21	581.750	561.316	20.434
1992	164556	36137.488	32936.672	3200.816	1.945	8.857	2522.16	553.899	504.824	49.075
1993	164388	35599.588	30293.538	5306.050	3.228	14.905	2474.50	535.926	456.002	79.924
1994	159921	34336.757	27051.194	7285.563	4.556	21.218	2362.06	507.267	399.549	107.717
1995	158178	33455.759	24248.852	9206.906	5.821	27.520	2291.19	484.782	351.241	133.540
1996	155017	32193.824	21333.700	10860.12	7.006	33.734	2210.04	459.239	304.149	155.090
1997	150165	30665.509	18528.371	12137.14	8.083	39.579	2105.48	430.308	259.788	170.520
1998	145660	29188.430	16074.098	13114.33	9.003	44.930	2008.18	402.844	221.611	181.233
1999	166321	33375.386	16481.154	16894.23	10.158	50.619	2256.22	453.366	223.575	229.791
2000	160711	32024.754	14325.383	17699.37	11.013	55.268	2147.46	428.655	191.420	237.236
2001	154974	30682.393	12259.611	18422.78	11.888	60.043	2043.06	405.339	161.622	243.717
2002	152508	30218.370	10793.945	19424.42	12.737	64.280	1987.23	394.736	140.648	254.087
2003	147435	29175.202	9305.158	19870.04	13.477	68.106	1900.33	377.146	119.937	257.209
2004	139144	27488.687	7806.806	19681.88	14.145	71.600	1773.35	351.518	99.495	252.023
2005	136733	27017.439	6884.304	20133.14	14.724	74.519	1721.59	341.482	86.679	254.803
2006	132851	26231.435	5869.589	20361.85	15.327	77.624	1656.61	328.517	73.192	255.325
2007	127496	25103.049	4990.531	20112.52	15.775	80.120	1572.73	311.161	61.561	249.600
2008	126956	24621.740	4434.218	20187.52	15.901	81.991	1547.72	301.777	54.058	247.720
2009	123604	23741.177	3871.093	19870.08	16.076	83.695	1488.28	287.552	46.611	240.941
2010	121800	23189.160	3443.488	19745.67	16.212	85.150	1447.97	277.458	40.937	236.522
2011	121590	22786.927	3050.658	19736.27	16.232	86.612	1430.41	269.951	35.889	234.063
2012	122422	22485.295	2749.823	19735.47	16.121	87.771	1423.81	263.495	31.981	231.513
2013	124289	22251.884	2514.480	19737.40	15.880	88.700	1428.22	257.786	28.894	228.891
2014	125006	21894.593	2292.152	19602.44	15.681	89.531	1418.85	250.685	26.017	224.668
2015	125698	21471.109	2097.799	19373.31	15.413	90.230	1602.13	276.557	26.738	249.819
2016	128317	21411.568	1930.931	19480.64	15.182	90.982	1619.13	273.213	24.365	248.848
2017	130549	21169.399	1789.672	19379.73	14.845	91.546	1631.09	267.651	22.360	245.291
2018	123707	19830.576	1579.636	18250.94	14.753	92.034	1530.24	248.404	19.540	228.864
2019	124260	19431.014	1474.715	17956.30	14.451	92.411	1521.06	241.031	18.052	222.979
2020	123392	18532.612	1350.340	17182.27	13.925	92.714	1720.39	262.513	18.827	243.686
2021	122078	18234.128	1269.464	16964.66	13.897	93.038	1688.76	256.472	17.561	238.911
2022	122252	17812.559	1197.114	16615.44	13.591	93.279	1676.91	248.626	16.421	232.205
2023	122404	17361.668	1135.916	16225.75	13.256	93.457	1664.08	240.367	15.443	224.924
2024	122409	16929.676	1087.623	15842.05	12.942	93.576	1649.05	232.443	14.652	217.791
2025	118914	15501.666	976.414	14525.25	12.215	93.701	1858.35	247.735	15.259	232.475
2026	118390	15523.814	973.787	14550.03	12.290	93.727	1840.92	247.072	15.142	231.930
2027	117416	15073.070	938.664	14134.41	12.038	93.773	1815.93	238.810	14.517	224.293
2028	116390	14636.710	903.049	13733.66	11.800	93.830	1789.43	230.725	13.884	216.841
2029	115359	14180.166	871.509	13308.66	11.537	93.854	1762.00	222.256	13.312	208.945
2030	108535	12111.772	731.667	11380.11	10.485	93.959	1972.63	226.816	13.298	213.518
2031	109071	12417.367	752.607	11664.76	10.695	93.939	1975.29	231.935	13.630	218.305
2032	107741	12054.064	724.428	11329.64	10.516	93.990	1942.76	224.381	13.063	211.318
2033	106424	11672.389	694.144	10978.25	10.316	94.053	1909.27	216.370	12.453	203.917
2034	105080	11365.762	677.195	10688.57	10.172	94.042	1874.43	209.673	12.080	197.593
2035	94722	8580.360	494.330	8086.030	8.537	94.239	2080.55	195.777	10.858	184.919
2036	96114	8948.841	514.457	8434.384	8.775	94.251	2108.52	204.135	11.286	192.849
2037	94351	8624.570	496.472	8128.097	8.615	94.244	2065.68	196.522	10.870	185.653
2038	92637	8315.017	474.082	7840.935	8.464	94.298	2022.13	189.073	10.349	178.724
2039	90989	8001.132	456.239	7544.892	8.292	94.298	1978.00	181.344	9.918	171.426

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1516395	149918.462	51976.693	97941.77	6.459	65.330	433.581	43.398	14.862	28.537

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4377.143	178.423	0.547	3.917	508.609	71.032	68.250	2.782
1992	32101	4453.572	4035.211	418.361	1.303	9.394	492.023	68.262	61.848	6.414
1993	32901	4462.473	3773.968	688.505	2.093	15.429	495.254	67.179	56.809	10.371
1994	33334	4499.513	3534.812	964.701	2.894	21.440	492.353	66.473	52.210	14.263
1995	33589	4472.774	3251.410	1221.364	3.636	27.307	486.530	64.812	47.096	17.715
1996	33901	4406.878	2950.441	1456.437	4.296	33.049	483.313	62.863	42.064	20.800
1997	33559	4288.158	2635.022	1653.136	4.926	38.551	470.534	60.173	36.946	23.227
1998	32851	4120.148	2315.505	1804.643	5.493	43.800	452.913	56.864	31.923	24.941
1999	33449	3982.443	2043.888	1938.555	5.796	48.678	453.748	54.097	27.726	26.371
2000	33553	4021.411	1883.583	2137.828	6.372	53.161	448.339	53.827	25.169	28.658
2001	32385	3848.092	1637.388	2210.704	6.826	57.449	426.945	50.836	21.586	29.250
2002	31715	3783.081	1464.332	2318.749	7.311	61.293	413.258	49.418	19.081	30.337
2003	31133	3754.415	1315.791	2438.624	7.833	64.953	401.280	48.533	16.960	31.573
2004	30049	3666.274	1166.593	2499.681	8.319	68.180	382.963	46.883	14.868	32.015
2005	28888	3589.688	1036.012	2553.676	8.840	71.139	363.727	45.371	13.044	32.327
2006	28387	3596.985	937.246	2659.738	9.370	73.944	353.974	45.048	11.687	33.361
2007	28247	3560.798	840.708	2720.089	9.630	76.390	348.439	44.137	10.371	33.767
2008	27365	3417.001	731.694	2685.308	9.813	78.587	333.605	41.881	8.920	32.961
2009	27328	3394.390	662.802	2731.588	9.995	80.474	329.055	41.113	7.981	33.132
2010	27195	3340.137	597.283	2742.854	10.086	82.118	323.292	39.965	7.101	32.864
2011	27269	3285.435	539.918	2745.517	10.068	83.566	320.802	38.922	6.352	32.570
2012	27394	3259.209	490.048	2769.161	10.109	84.964	318.602	38.193	5.699	32.494
2013	28281	3274.703	454.666	2820.037	9.971	86.116	324.981	37.937	5.225	32.712
2014	29211	3298.083	422.111	2875.972	9.846	87.201	331.551	37.762	4.791	32.971
2015	30026	3244.406	389.134	2855.272	9.509	88.006	382.712	41.789	4.960	36.829
2016	31026	3314.836	370.153	2944.683	9.491	88.833	391.496	42.297	4.671	37.627
2017	31981	3333.314	348.380	2984.933	9.333	89.549	399.574	42.144	4.353	37.791
2018	29917	2925.242	289.179	2636.063	8.811	90.114	370.068	36.642	3.577	33.065
2019	30208	2864.628	267.620	2597.008	8.597	90.658	369.773	35.534	3.276	32.258
2020	30245	2730.366	243.710	2486.656	8.222	91.074	421.690	38.675	3.398	35.277
2021	30802	2647.911	224.057	2423.854	7.869	91.538	426.100	37.244	3.099	34.145
2022	31052	2586.165	208.249	2377.916	7.658	91.948	425.934	36.097	2.857	33.241
2023	31298	2517.960	194.143	2323.818	7.425	92.290	425.494	34.860	2.639	32.221
2024	31498	2454.161	181.925	2272.235	7.214	92.587	424.328	33.695	2.451	31.245
2025	31132	2275.364	163.447	2111.917	6.784	92.817	486.526	36.363	2.554	33.809
2026	31623	2183.166	152.474	2030.692	6.422	93.016	491.720	34.747	2.371	32.376
2027	31536	2112.345	143.855	1968.490	6.242	93.190	487.728	33.467	2.225	31.242
2028	31423	2046.677	136.043	1910.633	6.080	93.353	483.120	32.263	2.092	30.171
2029	31303	1977.671	128.813	1848.859	5.906	93.487	478.123	30.997	1.967	29.030
2030	30407	1744.457	111.780	1632.677	5.369	93.592	552.653	32.668	2.032	30.637
2031	30083	1653.738	103.766	1549.972	5.152	93.725	544.802	30.889	1.879	29.010
2032	29862	1603.120	98.157	1504.963	5.040	93.877	538.457	29.841	1.770	28.071
2033	29631	1548.245	93.198	1455.046	4.911	93.980	531.584	28.700	1.672	27.028
2034	29374	1511.985	89.733	1422.252	4.842	94.065	523.972	27.893	1.601	26.292
2035	27937	1239.866	72.471	1167.394	4.179	94.155	613.622	28.290	1.592	26.698
2036	26772	1182.522	68.184	1114.338	4.162	94.234	587.310	26.975	1.496	25.479
2037	26336	1134.483	65.563	1068.920	4.059	94.221	576.594	25.851	1.435	24.415
2038	25897	1093.537	62.388	1031.149	3.982	94.295	565.298	24.866	1.362	23.504
2039	25461	1047.905	59.528	988.377	3.882	94.319	553.484	23.751	1.294	22.457

Results for PHIM for Run 1 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2283465	1015606.587	607758.410	407848.2	17.861	40.158	652.909	293.996	173.776	120.220

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19097.354	118.283	0.347	0.616	531.576	299.618	297.774	1.844
1992	33944	19056.189	18768.480	287.709	0.848	1.510	520.258	292.085	287.666	4.418
1993	35919	20095.670	19587.324	508.346	1.415	2.530	540.680	302.526	294.844	7.682
1994	35087	19524.095	18823.998	700.096	1.995	3.586	518.232	288.435	278.033	10.402
1995	34690	19116.002	18220.678	895.324	2.581	4.684	502.487	276.995	263.924	13.071
1996	34615	18975.021	17872.538	1102.483	3.185	5.810	493.493	270.675	254.804	15.871
1997	35314	19169.025	17835.142	1333.883	3.777	6.959	495.146	268.986	250.068	18.918
1998	35739	19228.937	17652.994	1575.943	4.410	8.196	492.729	265.388	243.379	22.009
1999	38605	20589.820	18646.167	1943.654	5.035	9.440	523.697	279.689	252.944	26.745
2000	36389	19196.417	17133.002	2063.415	5.670	10.749	486.242	256.946	228.936	28.011
2001	36411	19012.731	16691.172	2321.559	6.376	12.211	480.013	251.174	220.044	31.129
2002	36137	18699.357	16144.668	2554.689	7.069	13.662	470.874	244.265	210.370	33.895
2003	36387	18663.550	15821.066	2842.483	7.812	15.230	469.005	241.262	203.922	37.341
2004	34813	17679.164	14686.521	2992.643	8.596	16.928	443.675	226.076	187.175	38.901
2005	37071	18692.832	15223.537	3469.295	9.359	18.559	466.753	236.265	191.678	44.587
2006	34607	17308.564	13770.144	3538.419	10.224	20.443	431.545	216.769	171.710	45.059
2007	35622	17683.181	13724.309	3958.872	11.114	22.388	439.417	219.189	169.297	49.892
2008	38604	19006.374	14414.683	4591.691	11.894	24.159	470.626	232.952	175.730	57.222
2009	37281	18205.573	13435.160	4770.412	12.796	26.203	448.892	220.505	161.769	58.736
2010	37654	18237.758	13131.063	5106.695	13.562	28.001	447.636	218.215	156.104	62.111
2011	38560	18487.916	12890.518	5597.398	14.516	30.276	453.631	219.022	151.647	67.375
2012	39016	18491.158	12492.506	5998.653	15.375	32.441	453.775	216.689	145.292	71.397
2013	40871	19143.452	12534.320	6609.132	16.171	34.524	469.653	221.775	144.033	77.741
2014	40965	18992.005	12030.640	6961.365	16.993	36.654	464.964	217.451	136.551	80.900
2015	43011	19728.885	12140.354	7588.530	17.643	38.464	548.213	254.116	154.740	99.377
2016	43876	19876.724	11830.310	8046.415	18.339	40.482	553.631	253.628	149.276	104.351
2017	44952	20119.790	11567.620	8552.170	19.025	42.506	561.628	254.381	144.527	109.854
2018	46395	20535.123	11393.152	9141.971	19.705	44.519	573.903	257.229	140.932	116.298
2019	47980	21009.029	11232.599	9776.430	20.376	46.534	587.316	260.605	137.498	123.107
2020	49534	21428.512	11064.368	10364.14	20.923	48.366	690.623	303.533	154.265	149.268
2021	49642	21266.697	10503.058	10763.64	21.682	50.613	686.724	299.127	145.293	153.834
2022	51195	21663.568	10248.640	11414.93	22.297	52.692	702.236	302.378	140.579	161.799
2023	52777	22084.131	9992.877	12091.25	22.910	54.751	717.500	305.748	135.852	169.895
2024	54308	22418.456	9720.127	12698.33	23.382	56.642	731.617	307.804	130.946	176.858
2025	55456	22614.834	9410.903	13203.93	23.810	58.386	866.655	361.411	147.070	214.341
2026	56047	22571.522	8950.894	13620.63	24.302	60.344	871.506	359.241	139.183	220.058
2027	57078	22774.416	8588.651	14185.76	24.853	62.288	882.753	360.827	132.830	227.996
2028	58069	22915.561	8196.072	14719.49	25.348	64.234	892.775	361.228	126.011	235.218
2029	59045	22992.027	7787.982	15204.05	25.750	66.127	901.855	360.371	118.955	241.416
2030	59377	22895.360	7392.121	15503.24	26.110	67.713	1079.18	428.760	134.352	294.408
2031	59829	22715.871	6975.156	15740.72	26.309	69.294	1083.52	424.293	126.321	297.972
2032	60598	22759.207	6584.096	16175.11	26.693	71.071	1092.68	423.652	118.722	304.929
2033	61342	22786.258	6216.656	16569.60	27.012	72.718	1100.49	422.387	111.528	310.859
2034	62027	22806.106	5842.099	16964.01	27.349	74.384	1106.44	420.721	104.211	316.510
2035	61163	22262.998	5442.708	16820.29	27.501	75.553	1343.44	507.973	119.548	388.425
2036	59061	21140.051	4744.858	16395.19	27.760	77.555	1295.67	482.234	104.091	378.142
2037	59264	21011.845	4373.033	16638.81	28.076	79.188	1297.50	478.783	95.742	383.041
2038	59443	20787.483	3999.554	16787.93	28.242	80.760	1297.54	472.681	87.304	385.376
2039	59611	20709.267	3670.098	17039.17	28.584	82.278	1295.87	469.372	79.784	389.589

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Control File Details for Run: 2

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S2A
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_2
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 2, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 2, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	S2A
Note:	Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

25-29	253+	0.140981	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.064119	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.063053	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.062916	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.062451	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.061730	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.059312	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.058467	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.056736	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.054712	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.054712	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 2, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 2, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		F (Females)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	420	0.46	0	0.00			
5	All Ages	Ecig	22151	24.17					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18181	19.84			14.31	1158	6.37
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	63	1.98	0	0.00			
5	18-19	Ecig	612	19.27					
5	18-19	Dual	0	0.00					
5	18-19	Former	67	2.11			0.97	47	70.15
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	34	0.41	0	0.00			
5	20-24	Ecig	2106	25.22					
5	20-24	Dual	0	0.00					
5	20-24	Former	416	4.98			3.16	102	24.52
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	2	0.02	0	0.00			
5	25-29	Ecig	2453	27.90					
5	25-29	Dual	0	0.00					
5	25-29	Former	1025	11.66			5.88	69	6.73
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

5	30-34	Never Any	5304	52.63					
5	30-34	CC	4	0.04	0	0.00			
5	30-34	Ecig	3183	31.58					
5	30-34	Dual	0	0.00					
5	30-34	Former	1587	15.75			8.21	62	3.91
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	63	0.60	0	0.00			
5	35-39	Ecig	3128	29.79					
5	35-39	Dual	0	0.00					
5	35-39	Former	2030	19.34			8.85	55	2.71
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	54	0.56	0	0.00			
5	40-44	Ecig	2456	25.58					
5	40-44	Dual	0	0.00					
5	40-44	Former	2072	21.58			12.18	73	3.52
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	45	0.53	0	0.00			
5	45-49	Ecig	2099	24.70					
5	45-49	Dual	0	0.00					
5	45-49	Former	1997	23.50			10.95	133	6.66
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	26	0.40	0	0.00			
5	50-54	Ecig	1569	24.01					
5	50-54	Dual	0	0.00					
5	50-54	Former	1825	27.92			15.11	143	7.84
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	27	0.49	0	0.00			
5	55-59	Ecig	1331	24.05					
5	55-59	Dual	0	0.00					
5	55-59	Former	1492	26.96			15.91	96	6.43
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	28	0.53	0	0.00			
5	60-64	Ecig	1061	20.16					
5	60-64	Dual	0	0.00					
5	60-64	Former	1443	27.41			19.33	103	7.14
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	28	0.51	0	0.00			
5	65-69	Ecig	961	17.40					
5	65-69	Dual	0	0.00					
5	65-69	Former	1457	26.38			19.47	115	7.89
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	29	0.55	0	0.00			
5	70-74	Ecig	728	13.73					
5	70-74	Dual	0	0.00					
5	70-74	Former	1504	28.36			22.17	95	6.32
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	17	0.38	0	0.00			
5	75-79	Ecig	464	10.35					
5	75-79	Dual	0	0.00					
5	75-79	Former	1266	28.23			26.65	65	5.13
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	54	0.06	0	0.00			
10	All Ages	Ecig	20282	22.07					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21149	23.01			15.12	1687	7.98
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	24	0.30	0	0.00			
10	20-24	Ecig	2150	27.11					
10	20-24	Dual	0	0.00					
10	20-24	Former	628	7.92			3.44	166	26.43
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	21	0.25	0	0.00			
10	25-29	Ecig	2076	24.86					
10	25-29	Dual	0	0.00					
10	25-29	Former	760	9.10			5.35	133	17.50
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	5	0.06	0	0.00			
10	30-34	Ecig	2331	26.51					
10	30-34	Dual	0	0.00					
10	30-34	Former	1243	14.14			9.28	94	7.56
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	1	0.01	0	0.00			
10	35-39	Ecig	2959	29.36					
10	35-39	Dual	0	0.00					
10	35-39	Former	1834	18.20			11.67	113	6.16
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	0	0.00	0	0.00			
10	40-44	Ecig	2904	27.66					
10	40-44	Dual	0	0.00					
10	40-44	Former	2317	22.07			12.33	143	6.17
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	2	0.02	0	0.00			
10	45-49	Ecig	2126	22.15					
10	45-49	Dual	0	0.00					
10	45-49	Former	2454	25.56			14.78	182	7.42
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	0	0.00	0	0.00			
10	50-54	Ecig	1660	19.54					
10	50-54	Dual	0	0.00					
10	50-54	Former	2481	29.20			13.21	204	8.22
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	0	0.00	0	0.00			
10	55-59	Ecig	1204	18.42					
10	55-59	Dual	0	0.00					

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2216	33.90			16.91	149	6.72
10	60-64	Never Any		2684	48.50					
10	60-64	CC		0	0.00	0	0.00			
10	60-64	Ecig		1004	18.14					
10	60-64	Dual		0	0.00					
10	60-64	Former		1846	33.36			17.27	140	7.58
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		1	0.02	0	0.00			
10	65-69	Ecig		759	14.42					
10	65-69	Dual		0	0.00					
10	65-69	Former		1772	33.66			20.19	111	6.26
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		0	0.00	0	0.00			
10	70-74	Ecig		657	11.89					
10	70-74	Dual		0	0.00					
10	70-74	Former		1789	32.39			20.27	149	8.33
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		0	0.00	0	0.00			
10	75-79	Ecig		452	8.52					
10	75-79	Dual		0	0.00					
10	75-79	Former		1809	34.11			22.95	103	5.69
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		3	0.00	0	0.00			
15	All Ages	Ecig		17559	20.27					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		22041	25.45			17.28	998	4.53
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		2	0.03	0	0.00			
15	25-29	Ecig		2134	26.91					
15	25-29	Dual		0	0.00					
15	25-29	Former		934	11.78			6.45	101	10.81
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		1	0.01	0	0.00			
15	30-34	Ecig		1985	23.77					
15	30-34	Dual		0	0.00					
15	30-34	Former		957	11.46			8.64	76	7.94
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		0	0.00	0	0.00			

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

15	35-39	Ecig	2165	24.62					
15	35-39	Dual	0	0.00					
15	35-39	Former	1439	16.37			12.62	79	5.49
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	0	0.00	0	0.00			
15	40-44	Ecig	2710	26.89					
15	40-44	Dual	0	0.00					
15	40-44	Former	2084	20.68			14.92	101	4.85
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	0	0.00	0	0.00			
15	45-49	Ecig	2571	24.49					
15	45-49	Dual	0	0.00					
15	45-49	Former	2650	25.24			15.39	146	5.51
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	0	0.00	0	0.00			
15	50-54	Ecig	1831	19.07					
15	50-54	Dual	0	0.00					
15	50-54	Former	2751	28.66			17.89	100	3.64
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	0	0.00	0	0.00			
15	55-59	Ecig	1444	16.99					
15	55-59	Dual	0	0.00					
15	55-59	Former	2697	31.74			16.95	71	2.63
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	0	0.00	0	0.00			
15	60-64	Ecig	980	14.99					
15	60-64	Dual	0	0.00					
15	60-64	Former	2440	37.33			20.07	106	4.34
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	0	0.00	0	0.00			
15	65-69	Ecig	757	13.68					
15	65-69	Dual	0	0.00					
15	65-69	Former	2093	37.82			19.94	69	3.30
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	0	0.00	0	0.00			
15	70-74	Ecig	529	10.05					
15	70-74	Dual	0	0.00					
15	70-74	Former	2003	38.05			22.54	82	4.09
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	0	0.00	0	0.00			
15	75-79	Ecig	453	8.20					
15	75-79	Dual	0	0.00					
15	75-79	Former	1993	36.08			22.92	67	3.36
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	1	0.00	0	0.00			
20	All Ages	Ecig	14559	17.96					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22762	28.07			19.35	1128	4.96
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	0	0.00	0	0.00			
20	30-34	Ecig	1967	24.80					
20	30-34	Dual	0	0.00					
20	30-34	Former	1220	15.38			9.18	134	10.98
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	1	0.01	0	0.00			
20	35-39	Ecig	1775	21.26					
20	35-39	Dual	0	0.00					
20	35-39	Former	1215	14.55			11.14	103	8.48
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	0	0.00	0	0.00			
20	40-44	Ecig	1916	21.79					
20	40-44	Dual	0	0.00					
20	40-44	Former	1688	19.20			15.28	109	6.46
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	0	0.00	0	0.00			
20	45-49	Ecig	2392	23.73					
20	45-49	Dual	0	0.00					
20	45-49	Former	2402	23.83			17.52	135	5.62
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	0	0.00	0	0.00			
20	50-54	Ecig	2206	21.01					
20	50-54	Dual	0	0.00					
20	50-54	Former	3015	28.72			18.14	169	5.61
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	0	0.00	0	0.00			
20	55-59	Ecig	1540	16.04					
20	55-59	Dual	0	0.00					
20	55-59	Former	3042	31.69			20.91	96	3.16
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	0	0.00	0	0.00			
20	60-64	Ecig	1138	13.39					
20	60-64	Dual	0	0.00					
20	60-64	Former	3003	35.34			19.87	155	5.16
Year of Follow-up: 2010, Age Group: 65-69									

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	0	0.00	0	0.00			
20	65-69	Ecig	697	10.66					
20	65-69	Dual	0	0.00					
20	65-69	Former	2723	41.66			22.69	93	3.42
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	0	0.00	0	0.00			
20	70-74	Ecig	557	10.07					
20	70-74	Dual	0	0.00					
20	70-74	Former	2293	41.43			22.94	77	3.36
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	0	0.00	0	0.00			
20	75-79	Ecig	371	7.05					
20	75-79	Dual	0	0.00					
20	75-79	Former	2161	41.05			25.69	57	2.64
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	0	0.00	0	0.00			
25	All Ages	Ecig	11747	15.49					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	23060	30.42			21.39	913	3.96
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	0	0.00	0	0.00			
25	35-39	Ecig	1602	20.20					
25	35-39	Dual	0	0.00					
25	35-39	Former	1602	20.20			11.30	128	7.99
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	0	0.00	0	0.00			
25	40-44	Ecig	1527	18.29					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1464	17.53			13.73	103	7.04
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5189	59.01					
25	45-49	CC	0	0.00	0	0.00			
25	45-49	Ecig	1654	18.81					
25	45-49	Dual	0	0.00					
25	45-49	Former	1950	22.18			17.84	94	4.82
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5284	52.43					
25	50-54	CC	0	0.00	0	0.00			
25	50-54	Ecig	2069	20.53					
25	50-54	Dual	0	0.00					
25	50-54	Former	2725	27.04			20.08	147	5.39
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5278	50.27					
25	55-59	CC	0	0.00	0	0.00			
25	55-59	Ecig	1810	17.24					
25	55-59	Dual	0	0.00					
25	55-59	Former	3411	32.49			20.70	139	4.08
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	0	0.00	0	0.00			
25	60-64	Ecig	1209	12.59					
25	60-64	Dual	0	0.00					
25	60-64	Former	3373	35.14			23.55	154	4.57
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	0	0.00	0	0.00			
25	65-69	Ecig	886	10.43					
25	65-69	Dual	0	0.00					
25	65-69	Former	3255	38.31			23.14	68	2.09
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	0	0.00	0	0.00			
25	70-74	Ecig	557	8.52					
25	70-74	Dual	0	0.00					
25	70-74	Former	2863	43.80			26.45	48	1.68
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	0	0.00	0	0.00			
25	75-79	Ecig	433	7.82					
25	75-79	Dual	0	0.00					
25	75-79	Former	2417	43.68			26.64	32	1.32
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38326	54.53					
30	All Ages	CC	0	0.00	0	0.00			
30	All Ages	Ecig	9372	13.33					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	22585	32.13			23.73	764	3.38
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	0	0.00	0	0.00			
30	40-44	Ecig	1370	17.28					
30	40-44	Dual	0	0.00					
30	40-44	Former	1834	23.13			14.50	83	4.53
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	0	0.00	0	0.00			
30	45-49	Ecig	1313	15.72					
30	45-49	Dual	0	0.00					
30	45-49	Former	1678	20.10			16.62	75	4.47
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	0	0.00	0	0.00			
30	50-54	Ecig	1395	15.86					
30	50-54	Dual	0	0.00					
30	50-54	Former	2209	25.12			20.37	126	5.70
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	0	0.00	0	0.00			
30	55-59	Ecig	1693	16.80					
30	55-59	Dual	0	0.00					
30	55-59	Former	3101	30.77			22.29	141	4.55
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	0	0.00	0	0.00			
30	60-64	Ecig	1450	13.81					
30	60-64	Dual	0	0.00					
30	60-64	Former	3771	35.92			23.44	148	3.92
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	0	0.00	0	0.00			
30	65-69	Ecig	954	9.94					
30	65-69	Dual	0	0.00					
30	65-69	Former	3628	37.79			26.71	73	2.01
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

30	70-74	Never Any	4356	51.27					
30	70-74	CC	0	0.00	0	0.00			
30	70-74	Ecig	748	8.80					
30	70-74	Dual	0	0.00					
30	70-74	Former	3393	39.93			27.06	70	2.06
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	0	0.00	0	0.00			
30	75-79	Ecig	449	6.87					
30	75-79	Dual	0	0.00					
30	75-79	Former	2971	45.46			30.38	48	1.62
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	0	0.00	0	0.00			
35	All Ages	Ecig	7323	11.49					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	21214	33.28			25.79	615	2.90
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	0	0.00	0	0.00			
35	45-49	Ecig	1161	14.64					
35	45-49	Dual	0	0.00					
35	45-49	Former	2043	25.76			17.73	73	3.57
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	0	0.00	0	0.00			
35	50-54	Ecig	1099	13.16					
35	50-54	Dual	0	0.00					
35	50-54	Former	1892	22.66			19.38	104	5.50
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1141	12.98					
35	55-59	Dual	0	0.00					
35	55-59	Former	2463	28.01			22.96	100	4.06
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	0	0.00	0	0.00			
35	60-64	Ecig	1356	13.46					
35	60-64	Dual	0	0.00					
35	60-64	Former	3438	34.11			24.81	139	4.04
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	0	0.00	0	0.00			
35	65-69	Ecig	1155	11.00					
35	65-69	Dual	0	0.00					
35	65-69	Former	4066	38.73			26.55	79	1.94
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	0	0.00	0	0.00			
35	70-74	Ecig	820	8.54					
35	70-74	Dual	0	0.00					
35	70-74	Former	3762	39.19			30.64	65	1.73
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	0	0.00	0	0.00			
35	75-79	Ecig	591	6.96					
35	75-79	Dual	0	0.00					
35	75-79	Former	3550	41.78			30.74	55	1.55
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	0	0.00	0	0.00			
40	All Ages	Ecig	5389	9.75					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	19007	34.40			27.83	547	2.88
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	30-34	Never Any		0	.				0	.
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 55-59										
40	50-54	Never Any		4726	59.60					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		960	12.11					
40	50-54	Dual		0	0.00					
40	50-54	Former		2244	28.30			20.85	106	4.72
Year of Follow-up: 2030, Age Group: 60-64										
40	55-59	Never Any		5359	64.18					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		874	10.47					
40	55-59	Dual		0	0.00					
40	55-59	Former		2117	25.35			22.01	80	3.78
Year of Follow-up: 2030, Age Group: 65-69										
40	60-64	Never Any		5189	59.01					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		884	10.05					
40	60-64	Dual		0	0.00					
40	60-64	Former		2720	30.93			25.48	123	4.52
Year of Follow-up: 2030, Age Group: 70-74										
40	65-69	Never Any		5284	52.43					
40	65-69	CC		0	0.00	0	0.00			
40	65-69	Ecig		1071	10.63					
40	65-69	Dual		0	0.00					
40	65-69	Former		3723	36.94			27.71	72	1.93
Year of Follow-up: 2030, Age Group: 75-79										
40	70-74	Never Any		5278	50.27					
40	70-74	CC		0	0.00	0	0.00			
40	70-74	Ecig		965	9.19					
40	70-74	Dual		0	0.00					
40	70-74	Former		4256	40.54			30.21	92	2.16
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		0	0.00	0	0.00			

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

40	75-79	Ecig	635	6.61					
40	75-79	Dual	0	0.00					
40	75-79	Former	3947	41.11			34.06	74	1.87
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	0	0.00	0	0.00			
45	All Ages	Ecig	3864	8.46					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	15950	34.94			29.57	333	2.09
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

45	55-59	Never Any	4726	59.60					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	788	9.94					
45	55-59	Dual	0	0.00					
45	55-59	Former	2416	30.47			24.15	63	2.61
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	697	8.35					
45	60-64	Dual	0	0.00					
45	60-64	Former	2294	27.47			25.08	69	3.01
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	697	7.93					
45	65-69	Dual	0	0.00					
45	65-69	Former	2907	33.06			28.67	57	1.96
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	0	0.00	0	0.00			
45	70-74	Ecig	929	9.22					
45	70-74	Dual	0	0.00					
45	70-74	Former	3865	38.35			31.57	71	1.84
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	0	0.00	0	0.00			
45	75-79	Ecig	753	7.17					
45	75-79	Dual	0	0.00					
45	75-79	Former	4468	42.56			33.64	73	1.63
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	0	0.00	0	0.00			
50	All Ages	Ecig	2474	7.04					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12119	34.48			31.35	239	1.97
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	609	7.68					
50	60-64	Dual	0	0.00					
50	60-64	Former	2595	32.72			27.27	79	3.04
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	561	6.72					
50	65-69	Dual	0	0.00					
50	65-69	Former	2430	29.10			28.54	35	1.44
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	586	6.66					
50	70-74	Dual	0	0.00					
50	70-74	Former	3018	34.32			32.49	53	1.76
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	0	0.00	0	0.00			
50	75-79	Ecig	718	7.12					
50	75-79	Dual	0	0.00					
50	75-79	Former	4076	40.44			34.79	72	1.77

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	1645905.618	1300344	14.318	44.136	2493.45	808.881	451.877	357.004

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58202.005	876.481	0.440	1.484	2877.87	853.678	841.013	12.665
1992	198532	60494.150	58312.054	2182.096	1.099	3.607	2829.84	862.271	831.168	31.103
1993	202512	62694.848	58953.474	3741.373	1.847	5.968	2845.85	881.034	828.457	52.577
1994	200658	63202.598	57895.857	5306.741	2.645	8.396	2777.87	874.966	801.500	73.466
1995	201023	63766.862	56880.299	6886.563	3.426	10.800	2739.80	869.097	775.238	93.859
1996	201180	64591.163	56033.129	8558.034	4.254	13.250	2706.36	868.908	753.782	115.126
1997	198639	64686.912	54808.228	9878.684	4.973	15.272	2635.18	858.147	727.095	131.052
1998	197573	65295.961	54051.782	11244.18	5.691	17.220	2584.18	854.046	706.977	147.070
1999	211329	67327.521	53819.319	13508.20	6.392	20.063	2726.91	868.771	694.465	174.305
2000	208496	67596.897	52836.775	14760.12	7.079	21.836	2656.96	861.419	673.324	188.095
2001	203606	67008.811	51117.564	15891.25	7.805	23.715	2565.88	844.458	644.194	200.265
2002	200828	67067.744	49893.184	17174.56	8.552	25.608	2506.09	836.925	622.607	214.318
2003	196352	66756.217	48545.658	18210.56	9.274	27.279	2427.31	825.244	600.124	225.120
2004	188160	65058.725	46139.216	18919.51	10.055	29.081	2302.83	796.234	564.684	231.550
2005	186416	65214.724	45069.037	20145.69	10.807	30.891	2256.27	789.321	545.489	243.832
2006	180088	63771.146	42868.731	20902.42	11.607	32.777	2160.67	765.117	514.333	250.784
2007	175644	63110.718	41434.884	21675.83	12.341	34.346	2086.36	749.650	492.177	257.473
2008	177570	63718.624	40615.039	23103.59	13.011	36.259	2086.39	748.674	477.214	271.460
2009	172806	62794.698	39011.614	23783.08	13.763	37.874	2007.57	729.515	453.216	276.299
2010	170489	61917.074	37364.277	24552.80	14.401	39.654	1957.97	711.083	429.108	281.975
2011	170305	61680.114	35997.709	25682.41	15.080	41.638	1937.46	701.700	409.526	292.174
2012	171421	62023.127	35066.466	26956.66	15.725	43.462	1930.22	698.386	394.852	303.535
2013	172699	62037.765	33968.722	28069.04	16.253	45.245	1923.75	691.059	378.389	312.670
2014	174169	61921.017	32640.711	29280.31	16.811	47.287	1918.85	682.195	359.609	322.586
2015	177354	61856.204	31525.832	30330.37	17.102	49.034	2184.51	761.899	388.312	373.587
2016	176853	60464.119	29521.069	30943.05	17.496	51.176	2157.59	737.655	360.154	377.502
2017	179309	60243.839	28273.731	31970.11	17.830	53.068	2166.86	728.017	341.674	386.343
2018	177157	60713.327	27732.399	32980.93	18.617	54.322	2120.51	726.721	331.949	394.772
2019	179227	61148.172	26850.887	34297.28	19.136	56.089	2124.53	724.841	318.286	406.555
2020	180467	61149.317	25953.960	35195.36	19.502	57.556	2424.25	821.432	348.645	472.787
2021	178116	58727.786	23544.251	35183.53	19.753	59.910	2375.42	783.216	313.995	469.221
2022	179408	58848.802	22570.827	36277.98	20.221	61.646	2374.52	778.881	298.731	480.149
2023	180640	58816.149	21572.210	37243.94	20.618	63.323	2372.26	772.407	283.298	489.108
2024	181610	58955.232	20666.863	38288.37	21.083	64.945	2366.77	768.316	269.335	498.982
2025	180418	58297.744	19705.153	38592.59	21.391	66.199	2713.69	876.861	296.387	580.474
2026	180313	56469.971	18073.932	38396.04	21.294	67.994	2701.83	846.150	270.821	575.329
2027	179619	56209.427	17073.790	39135.64	21.788	69.625	2680.68	838.883	254.813	584.070
2028	178762	55733.105	16074.544	39658.56	22.185	71.158	2656.74	828.298	238.898	589.400
2029	177808	55145.838	15102.207	40043.63	22.521	72.614	2630.89	815.951	223.456	592.495
2030	173587	53615.097	14107.155	39507.94	22.760	73.688	3040.33	939.056	247.084	691.972
2031	174985	52046.561	13204.178	38842.38	22.197	74.630	3060.73	910.364	230.959	679.405
2032	173400	51582.636	12423.828	39158.81	22.583	75.915	3027.10	900.496	216.887	683.609
2033	171756	50839.758	11637.233	39202.53	22.825	77.110	2991.14	885.375	202.662	682.712
2034	169973	50215.451	10886.889	39328.56	23.138	78.320	2951.96	872.104	189.075	683.029
2035	162644	47773.075	10029.299	37743.78	23.206	79.006	3459.14	1016.05	213.305	802.741
2036	156254	43298.709	8599.432	34699.28	22.207	80.139	3328.25	922.274	183.170	739.104
2037	153593	42241.563	7881.919	34359.64	22.371	81.341	3274.10	900.450	168.016	732.434
2038	150947	41356.353	7251.073	34105.28	22.594	82.467	3217.50	881.531	154.560	726.971
2039	148373	40161.050	6592.401	33568.65	22.624	83.585	3159.42	855.178	140.377	714.801

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	2327764	1580465.217	994358.036	586107.2	25.179	37.084	639.078	433.910	272.997	160.913

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	0.000
1991	43692	31412.010	31228.583	183.428	0.420	0.584	631.345	453.901	2.651
1992	45423	32782.407	32303.756	478.651	1.054	1.460	647.450	467.274	6.823
1993	46291	33491.183	32659.141	832.043	1.797	2.484	650.515	470.643	11.692
1994	47017	34074.347	32852.612	1221.735	2.598	3.585	650.895	471.719	16.913
1995	47840	34694.454	33038.286	1656.168	3.462	4.774	652.025	472.861	22.572
1996	48244	35027.269	32921.789	2105.479	4.364	6.011	648.999	471.202	28.324
1997	49035	35590.763	32998.819	2591.944	5.286	7.283	650.506	472.153	34.385
1998	49686	36100.785	33001.624	3099.161	6.237	8.585	649.874	472.184	40.536
1999	48883	35451.030	31931.530	3519.499	7.200	9.928	630.769	457.448	45.414
2000	50331	36447.986	32308.928	4139.058	8.224	11.356	641.392	464.474	52.746
2001	50389	36411.326	31732.061	4679.266	9.286	12.851	635.012	458.863	58.969
2002	51445	37078.545	31712.830	5365.715	10.430	14.471	641.972	462.696	66.958
2003	51408	36999.876	31054.109	5945.767	11.566	16.070	635.509	457.395	73.502
2004	51399	36861.555	30283.065	6578.490	12.799	17.846	629.057	451.138	80.512
2005	51421	36689.529	29468.057	7221.472	14.044	19.683	622.370	444.069	87.404
2006	51355	36504.774	28609.052	7895.721	15.375	21.629	616.150	437.979	94.732
2007	51839	36663.202	28005.297	8657.905	16.702	23.615	615.761	435.498	102.841
2008	50976	35898.803	26716.026	9182.777	18.014	25.580	598.952	421.800	107.895
2009	51193	35934.525	25977.122	9957.404	19.451	27.710	594.733	417.468	115.680
2010	50853	35502.829	24943.547	10559.28	20.764	29.742	584.018	407.730	121.267
2011	50509	35136.342	23890.802	11245.54	22.264	32.005	574.613	399.726	127.934
2012	51245	35450.201	23328.201	12122.00	23.655	34.194	577.023	399.173	136.495
2013	51069	35123.224	22307.463	12815.76	25.095	36.488	568.874	391.249	142.759
2014	51251	35079.370	21497.213	13582.16	26.501	38.718	564.641	386.476	149.637
2015	50443	34324.171	20320.678	14003.49	27.761	40.798	621.319	422.780	172.485
2016	48854	33054.753	18773.562	14281.19	29.232	43.205	596.013	403.264	174.229
2017	48325	32471.234	17678.385	14792.85	30.611	45.557	583.983	392.399	178.764
2018	50465	33657.595	17490.577	16167.02	32.036	48.034	604.052	402.871	193.514
2019	51036	33863.424	16805.825	17057.60	33.423	50.372	604.975	401.412	202.198
2020	51444	33910.830	16121.911	17788.92	34.579	52.458	691.053	455.532	238.963
2021	48037	31531.880	14203.034	17328.85	36.074	54.957	640.639	420.521	231.104
2022	48335	31560.212	13484.967	18075.25	37.396	57.272	639.727	417.708	239.231
2023	48599	31508.781	12761.740	18747.04	38.575	59.498	638.227	413.791	246.197
2024	48784	31517.293	12097.769	19419.52	39.808	61.615	635.757	410.740	253.079
2025	48477	31175.389	11420.455	19754.93	40.751	63.367	729.141	468.912	297.136
2026	45324	29044.598	10076.854	18967.74	41.849	65.306	679.138	435.206	284.214
2027	45107	28825.765	9422.001	19403.76	43.017	67.314	673.191	430.203	289.586
2028	44842	28513.846	8784.416	19729.43	43.998	69.192	666.430	423.769	293.216
2029	44539	28148.109	8175.274	19972.83	44.843	70.956	659.013	416.486	295.523
2030	43393	27314.475	7558.954	19755.52	45.527	72.326	760.018	478.407	346.013
2031	40748	25423.102	6775.640	18647.46	45.763	73.348	712.731	444.684	326.169
2032	40325	25085.902	6314.881	18771.02	46.549	74.827	703.969	437.933	327.692
2033	39882	24645.067	5868.563	18776.50	47.080	76.188	694.543	429.194	326.993
2034	39404	24239.126	5452.197	18786.93	47.677	77.507	684.347	420.967	326.277
2035	37454	22944.147	4963.926	17980.22	48.006	78.365	796.588	487.980	382.406
2036	32988	19950.581	4095.543	15855.04	48.062	79.472	702.663	424.953	337.717
2037	32403	19415.334	3745.086	15670.25	48.360	80.711	690.731	413.871	334.038
2038	31820	18939.317	3443.804	15495.51	48.698	81.817	678.257	403.701	330.294
2039	31251	18379.752	3137.882	15241.87	48.772	82.928	665.457	391.373	324.556

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	3242167	398833.796	143969.532	254864.3	7.861	63.902	890.124	109.498	39.526	69.972

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12413.199	443.280	0.460	3.448	1393.01	185.775	179.370	6.405
1992	93721	12662.244	11575.255	1086.988	1.160	8.584	1335.88	180.485	164.991	15.494
1993	93679	12730.613	10900.924	1829.689	1.953	14.372	1316.45	178.900	153.188	25.712
1994	90832	12495.323	9942.857	2552.466	2.810	20.427	1257.46	172.983	137.647	35.336
1995	89698	12365.590	9123.100	3242.491	3.615	26.222	1222.52	168.534	124.341	44.193
1996	88286	12290.551	8307.781	3982.770	4.511	32.405	1187.66	165.338	111.760	53.578
1997	84777	11719.531	7320.262	4399.270	5.189	37.538	1124.67	155.473	97.112	58.361
1998	82517	11416.794	6577.010	4839.784	5.865	42.392	1079.29	149.327	86.025	63.303
1999	93939	13028.038	6852.565	6175.473	6.574	47.401	1212.16	168.109	88.423	79.686
2000	90039	12426.299	5997.653	6428.646	7.140	51.734	1147.41	158.354	76.431	81.923
2001	86119	11939.281	5198.857	6740.425	7.827	56.456	1085.29	150.461	65.517	84.944
2002	83014	11528.794	4526.070	7002.724	8.436	60.741	1035.91	143.865	56.480	87.386
2003	79302	11048.407	3930.921	7117.486	8.975	64.421	980.336	136.581	48.594	87.987
2004	73861	10375.132	3301.405	7073.727	9.577	68.180	903.963	126.978	40.405	86.573
2005	71649	10051.029	2872.875	7178.155	10.018	71.417	867.197	121.652	34.772	86.880
2006	67551	9542.523	2406.746	7135.778	10.564	74.779	810.467	114.490	28.876	85.614
2007	63503	8936.533	2014.479	6922.054	10.900	77.458	754.310	106.151	23.929	82.222
2008	63171	8944.180	1798.779	7145.401	11.311	79.889	742.239	105.091	21.135	83.956
2009	59747	8390.033	1532.856	6857.178	11.477	81.730	694.108	97.471	17.808	79.663
2010	58008	8157.570	1347.604	6809.966	11.740	83.480	666.189	93.685	15.476	78.209
2011	57368	8035.356	1192.283	6843.073	11.928	85.162	652.644	91.414	13.564	77.850
2012	57411	7970.766	1066.356	6904.409	12.026	86.622	646.453	89.752	12.007	77.744
2013	57067	7743.216	949.171	6794.045	11.905	87.742	635.688	86.254	10.573	75.681
2014	57538	7774.935	867.267	6907.668	12.005	88.845	633.906	85.658	9.555	76.103
2015	58395	7722.535	797.260	6925.275	11.859	89.676	719.266	95.120	9.820	85.300
2016	58658	7600.353	711.531	6888.823	11.744	90.638	715.621	92.723	8.681	84.043
2017	59004	7470.266	646.641	6823.625	11.565	91.344	713.034	90.274	7.814	82.460
2018	56077	6907.050	557.770	6349.280	11.322	91.925	671.224	82.675	6.676	75.999
2019	55886	6732.046	513.004	6219.042	11.128	92.380	662.462	79.801	6.081	73.720
2020	55313	6429.836	467.090	5962.746	10.780	92.736	743.037	86.373	6.275	80.099
2021	56292	6562.016	445.987	6116.029	10.865	93.204	750.730	87.513	5.948	81.566
2022	55827	6352.366	415.557	5936.809	10.634	93.458	738.885	84.075	5.500	78.575
2023	55338	6134.123	390.340	5743.783	10.379	93.637	726.728	80.557	5.126	75.431
2024	54770	5922.193	369.882	5552.310	10.138	93.754	713.771	77.179	4.820	72.359
2025	53295	5504.188	336.847	5167.340	9.696	93.880	801.612	82.789	5.067	77.722
2026	55278	5641.075	340.788	5300.287	9.588	93.959	828.283	84.526	5.106	79.420
2027	54199	5426.216	324.514	5101.702	9.413	94.020	808.875	80.982	4.843	76.139
2028	53090	5197.830	309.068	4888.762	9.208	94.054	789.020	77.249	4.593	72.656
2029	51974	4973.547	295.047	4678.500	9.002	94.068	769.023	73.590	4.366	69.224
2030	49479	4450.618	258.116	4192.502	8.473	94.200	866.605	77.952	4.521	73.431
2031	51987	4555.052	264.247	4290.805	8.254	94.199	909.317	79.674	4.622	75.052
2032	50677	4349.999	252.428	4097.571	8.086	94.197	884.689	75.939	4.407	71.533
2033	49380	4147.948	240.814	3907.134	7.912	94.194	859.955	72.237	4.194	68.043
2034	48076	3966.133	230.177	3735.957	7.771	94.196	834.943	68.881	3.998	64.883
2035	44518	3289.064	184.247	3104.817	6.974	94.398	946.825	69.952	3.919	66.034
2036	46347	3313.192	185.157	3128.036	6.749	94.412	987.211	70.572	3.944	66.628
2037	44841	3117.951	174.219	2943.732	6.565	94.412	955.859	66.464	3.714	62.751
2038	43378	2949.775	164.539	2785.236	6.421	94.422	924.621	62.876	3.507	59.369
2039	41973	2766.312	155.098	2611.214	6.221	94.393	893.753	58.905	3.303	55.602

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	36551.992	68347.76	5.055	65.155	371.243	28.800	10.035	18.765

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3067.279	139.784	0.430	4.359	469.694	46.342	44.322	2.020
1992	32560	3218.125	2880.026	338.099	1.038	10.506	464.104	45.871	41.051	4.819
1993	32768	3226.680	2670.176	556.504	1.698	17.247	460.480	45.344	37.523	7.820
1994	33005	3277.266	2493.031	784.235	2.376	23.930	456.915	45.370	34.513	10.857
1995	33730	3309.378	2303.690	1005.688	2.982	30.389	459.716	45.104	31.398	13.707
1996	33750	3312.987	2105.030	1207.956	3.579	36.461	454.019	44.568	28.318	16.250
1997	33699	3267.066	1890.730	1376.336	4.084	42.128	447.056	43.341	25.083	18.259
1998	33274	3178.725	1677.884	1500.841	4.511	47.215	435.211	41.577	21.946	19.630
1999	33891	3120.351	1501.959	1618.393	4.775	51.866	437.317	40.264	19.381	20.883
2000	33827	3142.808	1380.485	1762.324	5.210	56.075	431.074	40.050	17.592	22.458
2001	32506	2961.588	1186.872	1774.716	5.460	59.924	409.647	37.323	14.957	22.365
2002	32078	2940.627	1070.554	1870.073	5.830	63.594	400.295	36.695	13.359	23.336
2003	30568	2819.545	933.391	1886.154	6.170	66.896	377.883	34.855	11.539	23.317
2004	29388	2730.466	820.058	1910.408	6.501	69.966	359.671	33.417	10.036	23.381
2005	27954	2670.510	729.011	1941.500	6.945	72.701	338.339	32.322	8.824	23.499
2006	27201	2623.285	650.620	1972.665	7.252	75.198	326.354	31.474	7.806	23.668
2007	26302	2536.599	572.212	1964.387	7.469	77.442	312.424	30.131	6.797	23.334
2008	25998	2469.443	508.250	1961.193	7.544	79.418	305.468	29.015	5.972	23.043
2009	25040	2386.945	449.168	1937.777	7.739	81.182	290.901	27.730	5.218	22.512
2010	24840	2329.274	402.399	1926.875	7.757	82.724	285.273	26.750	4.621	22.129
2011	24792	2286.581	362.332	1924.249	7.762	84.154	282.045	26.013	4.122	21.891
2012	24500	2243.311	326.671	1916.640	7.823	85.438	275.872	25.260	3.678	21.582
2013	24451	2176.503	292.475	1884.028	7.705	86.562	272.368	24.245	3.258	20.987
2014	25296	2211.619	275.052	1936.566	7.656	87.563	278.691	24.366	3.030	21.335
2015	26316	2237.016	260.284	1976.732	7.512	88.365	324.141	27.554	3.206	24.348
2016	26735	2229.057	242.038	1987.019	7.432	89.142	326.164	27.194	2.953	24.241
2017	27616	2221.649	226.934	1994.716	7.223	89.785	333.726	26.848	2.742	24.105
2018	25256	1939.420	187.492	1751.928	6.937	90.333	302.304	23.214	2.244	20.970
2019	25429	1904.400	173.852	1730.547	6.805	90.871	301.434	22.574	2.061	20.514
2020	25379	1806.054	157.712	1648.343	6.495	91.268	340.922	24.261	2.119	22.143
2021	25448	1748.172	144.693	1603.480	6.301	91.723	339.386	23.314	1.930	21.385
2022	25539	1701.148	134.395	1566.753	6.135	92.100	338.015	22.515	1.779	20.736
2023	25620	1652.087	125.323	1526.764	5.959	92.414	336.461	21.696	1.646	20.050
2024	25659	1597.127	116.873	1480.254	5.769	92.682	334.391	20.814	1.523	19.291
2025	25260	1467.622	104.071	1363.552	5.398	92.909	379.931	22.075	1.565	20.509
2026	25480	1390.505	95.834	1294.672	5.081	93.108	381.790	20.835	1.436	19.399
2027	25264	1342.095	89.966	1252.129	4.956	93.297	377.042	20.030	1.343	18.687
2028	25022	1289.536	84.553	1204.983	4.816	93.443	371.870	19.165	1.257	17.908
2029	24767	1242.216	79.886	1162.330	4.693	93.569	366.459	18.380	1.182	17.198
2030	23959	1096.803	68.535	1028.268	4.292	93.751	419.641	19.210	1.200	18.010
2031	23963	1019.991	62.798	957.192	3.994	93.843	419.142	17.841	1.098	16.743
2032	23615	977.406	59.422	917.984	3.887	93.920	412.259	17.063	1.037	16.026
2033	23259	937.450	56.305	881.144	3.788	93.994	405.051	16.326	0.981	15.345
2034	22879	900.763	53.492	847.271	3.703	94.061	397.339	15.644	0.929	14.715
2035	21733	745.023	43.029	701.995	3.230	94.224	462.224	15.845	0.915	14.930
2036	20904	680.360	38.789	641.571	3.069	94.299	445.263	14.492	0.826	13.666
2037	20397	644.109	36.465	607.645	2.979	94.339	434.791	13.730	0.777	12.953
2038	19890	612.448	34.389	578.059	2.906	94.385	423.966	13.055	0.733	12.322
2039	19392	577.529	32.491	545.038	2.811	94.374	412.930	12.298	0.692	11.606

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	471026.058	391025.2	18.104	45.360	593.003	236.673	129.318	107.354

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	0.000	
1991	26562	11602.933	11492.944	109.989	0.414	0.948	383.818	167.661	166.072	1.589
1992	26828	11831.375	11553.016	278.358	1.038	2.353	382.401	168.642	164.674	3.968
1993	29774	13246.371	12723.233	523.138	1.757	3.949	418.406	186.148	178.796	7.352
1994	29804	13355.662	12607.357	748.304	2.511	5.603	412.601	184.893	174.534	10.359
1995	29755	13397.439	12415.223	982.216	3.301	7.331	405.540	182.598	169.211	13.387
1996	30900	13960.356	12698.528	1261.828	4.084	9.039	415.680	187.801	170.826	16.975
1997	31128	14109.552	12598.418	1511.134	4.855	10.710	412.949	187.180	167.133	20.047
1998	32096	14599.657	12795.263	1804.394	5.622	12.359	419.803	190.958	167.357	23.601
1999	34616	15728.102	13533.265	2194.837	6.341	13.955	446.673	202.950	174.628	28.321
2000	34299	15579.803	13149.710	2430.094	7.085	15.598	437.088	198.541	167.573	30.968
2001	34592	15696.614	12999.774	2696.840	7.796	17.181	435.935	197.812	163.826	33.986
2002	34291	15519.777	12583.729	2936.048	8.562	18.918	427.910	193.668	157.030	36.638
2003	35074	15888.389	12627.237	3261.152	9.298	20.525	433.587	196.413	156.099	40.315
2004	33512	15091.573	11734.688	3356.885	10.017	22.243	410.143	184.701	143.617	41.084
2005	35392	15803.656	11999.095	3804.561	10.750	24.074	428.364	191.278	145.230	46.048
2006	33981	15100.563	11202.312	3898.251	11.472	25.815	407.699	181.174	134.404	46.771
2007	34000	14974.384	10842.896	4131.488	12.151	27.590	403.863	177.871	128.796	49.075
2008	37425	16406.197	11591.984	4814.214	12.864	29.344	439.732	192.768	136.202	56.565
2009	36826	16083.194	11052.468	5030.725	13.661	31.279	427.825	186.846	128.402	58.444
2010	36788	15927.400	10670.727	5256.673	14.289	33.004	422.489	182.917	122.547	60.370
2011	37636	16221.836	10552.293	5669.543	15.064	34.950	428.164	184.547	120.048	64.499
2012	38265	16358.849	10345.238	6013.612	15.716	36.761	430.867	184.202	116.488	67.714
2013	40112	16994.822	10419.614	6575.208	16.392	38.689	446.821	189.311	116.067	73.243
2014	40084	16855.093	10001.179	6853.914	17.099	40.664	441.613	185.696	110.185	75.511
2015	42200	17572.483	10147.611	7424.872	17.594	42.253	519.788	216.445	124.991	91.454
2016	42606	17579.955	9793.938	7786.018	18.274	44.289	519.788	214.473	119.485	94.989
2017	44364	18080.688	9721.771	8358.917	18.842	46.231	536.117	218.496	117.483	101.013
2018	45359	18209.262	9496.561	8712.701	19.208	47.848	542.932	217.960	113.671	104.288
2019	46876	18648.302	9358.206	9290.095	19.819	49.817	555.657	221.054	110.931	110.123
2020	48331	19002.597	9207.248	9795.349	20.267	51.547	649.239	255.266	123.683	131.583
2021	48338	18885.717	8750.538	10135.18	20.967	53.666	644.660	251.867	116.700	135.167
2022	49708	19235.076	8535.908	10699.17	21.524	55.623	657.895	254.582	112.975	141.607
2023	51083	19521.158	8294.808	11226.35	21.977	57.509	670.849	256.363	108.932	147.431
2024	52397	19918.620	8082.339	11836.28	22.589	59.423	682.854	259.583	105.331	154.253
2025	53387	20150.545	7843.781	12306.76	23.052	61.074	803.004	303.086	117.979	185.107
2026	54232	20393.792	7560.456	12833.34	23.664	62.928	812.615	305.582	113.286	192.296
2027	55049	20615.351	7237.309	13378.04	24.302	64.894	821.568	307.668	108.011	199.657
2028	55809	20731.894	6896.507	13835.39	24.791	66.735	829.419	308.115	102.495	205.620
2029	56527	20781.967	6552.000	14229.97	25.174	68.473	836.392	307.495	96.945	210.550
2030	56756	20753.201	6221.551	14531.65	25.604	70.021	994.067	363.487	108.969	254.518
2031	58288	21048.417	6101.493	14946.92	25.643	71.012	1019.54	368.165	106.723	261.442
2032	58782	21169.329	5797.097	15372.23	26.151	72.616	1026.18	369.560	101.202	268.358
2033	59236	21109.293	5471.550	15637.74	26.399	74.080	1031.59	367.618	95.287	272.331
2034	59614	21109.429	5151.023	15958.41	26.770	75.598	1035.33	366.613	89.459	277.153
2035	58938	20794.840	4838.096	15956.74	27.074	76.734	1253.51	442.268	102.897	339.371
2036	56014	19354.577	4279.943	15074.63	26.912	77.887	1193.11	412.258	91.164	321.094
2037	55953	19064.169	3926.149	15138.02	27.055	79.406	1192.72	406.385	83.693	322.693
2038	55859	18854.812	3608.341	15246.47	27.295	80.862	1190.66	401.900	76.914	324.986
2039	55757	18437.457	3266.930	15170.53	27.208	82.281	1187.28	392.602	69.565	323.037

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9190920	2946250.006	1658149.980	1288100	14.015	43.720	2504.64	808.881	451.866	357.015

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58202.005	876.481	0.440	1.484	2877.87	853.678	841.013	12.665
1992	198537	60494.150	58313.383	2180.766	1.098	3.605	2829.86	862.271	831.177	31.095
1993	202529	62694.848	58958.243	3736.605	1.845	5.960	2845.96	881.034	828.488	52.546
1994	200695	63202.598	57906.407	5296.190	2.639	8.380	2778.12	874.966	801.568	73.397
1995	201090	63766.862	56898.830	6868.032	3.415	10.771	2740.24	869.097	775.358	93.739
1996	201285	64591.163	56061.972	8529.191	4.237	13.205	2707.05	868.908	753.969	114.939
1997	198790	64686.912	54849.327	9837.585	4.949	15.208	2636.17	858.147	727.362	130.785
1998	197778	65295.961	54107.456	11188.50	5.657	17.135	2585.53	854.046	707.340	146.707
1999	211616	67327.521	53891.795	13435.73	6.349	19.956	2728.80	868.771	694.937	173.833
2000	208857	67596.897	52927.709	14669.19	7.024	21.701	2659.32	861.419	673.913	187.507
2001	204042	67008.811	51226.403	15782.41	7.735	23.553	2568.70	844.458	644.895	199.563
2002	201345	67067.744	50021.240	17046.50	8.466	25.417	2509.42	836.925	623.428	213.497
2003	196950	66756.217	48693.578	18062.64	9.171	27.058	2431.14	825.244	601.069	224.175
2004	188827	65058.725	46303.227	18755.50	9.933	28.829	2307.06	796.234	565.725	230.509
2005	187171	65214.724	45252.569	19962.16	10.665	30.610	2260.98	789.321	546.641	242.680
2006	180912	63771.146	43066.803	20704.34	11.444	32.467	2165.75	765.117	515.565	249.552
2007	176544	63110.718	41650.240	21460.48	12.156	34.004	2091.84	749.650	493.505	256.145
2008	178583	63718.624	40851.240	22867.38	12.805	35.888	2092.48	748.674	478.659	270.014
2009	173894	62794.698	39262.860	23531.84	13.532	37.474	2014.00	729.515	454.733	274.782
2010	171666	61917.074	37629.037	24288.04	14.148	39.227	1964.81	711.083	430.686	280.397
2011	171585	61680.114	36276.565	25403.55	14.805	41.186	1944.80	701.700	411.170	290.530
2012	172819	62023.127	35362.460	26660.67	15.427	42.985	1938.11	698.386	396.579	301.808
2013	174227	62037.765	34280.410	27757.35	15.932	44.743	1932.27	691.059	380.188	310.871
2014	175829	61921.017	32964.470	28956.55	16.469	46.764	1927.96	682.195	361.453	320.742
2015	179179	61856.204	31863.405	29992.80	16.739	48.488	2194.32	761.899	390.216	371.683
2016	178801	60464.119	29860.296	30603.82	17.116	50.615	2167.89	737.655	362.043	375.612
2017	181428	60243.839	28622.504	31621.33	17.429	52.489	2177.97	728.017	343.601	384.416
2018	179401	60713.327	28099.444	32613.88	18.179	53.718	2132.21	726.721	333.966	392.755
2019	181650	61148.172	27230.882	33917.29	18.672	55.467	2137.05	724.841	320.362	404.479
2020	183079	61149.317	26346.337	34802.98	19.010	56.915	2437.15	821.432	350.722	470.711
2021	180840	58727.786	23920.391	34807.39	19.248	59.269	2388.68	783.216	315.960	467.255
2022	182313	58848.802	22952.597	35896.21	19.689	60.997	2388.60	778.881	300.717	478.163
2023	183730	58816.149	21957.944	36858.21	20.061	62.667	2387.19	772.407	285.297	487.109
2024	184887	58955.232	21057.336	37897.90	20.498	64.282	2382.56	768.316	271.356	496.960
2025	183879	58297.744	20099.073	38198.67	20.774	65.523	2729.02	876.861	298.298	578.564
2026	183967	56469.971	18456.732	38013.24	20.663	67.316	2718.26	846.150	272.714	573.436
2027	183437	56209.427	17453.978	38755.45	21.127	68.948	2697.96	838.883	256.710	582.173
2028	182744	55733.105	16450.153	39282.95	21.496	70.484	2674.90	828.298	240.788	587.510
2029	181952	55145.838	15472.370	39673.47	21.804	71.943	2649.94	815.951	225.338	590.612
2030	177878	53615.097	14472.026	39143.07	22.006	73.008	3057.84	939.056	248.784	690.272
2031	179560	52046.561	13567.424	38479.14	21.430	73.932	3080.46	910.364	232.757	677.606
2032	178129	51582.636	12781.495	38801.14	21.783	75.221	3047.89	900.496	218.699	681.797
2033	176637	50839.758	11987.084	38852.67	21.996	76.422	3013.01	885.375	204.471	680.904
2034	174998	50215.451	11228.306	38987.15	22.279	77.640	2974.89	872.104	190.877	681.227
2035	167756	47773.075	10361.796	37411.28	22.301	78.310	3479.59	1016.05	214.924	801.121
2036	161364	43298.709	8897.019	34401.69	21.319	79.452	3349.54	922.274	184.681	737.593
2037	158788	42241.563	8164.328	34077.24	21.461	80.672	3296.40	900.450	169.489	730.961
2038	156220	41356.353	7519.764	33836.59	21.660	81.817	3240.79	881.531	155.998	725.533
2039	153721	40161.050	6844.246	33316.80	21.674	82.958	3183.66	855.178	141.749	713.428

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2354430	1580465.217	1001440.765	579024.5	24.593	36.636	641.611	433.910	272.905	161.006

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31228.583	183.428	0.420	0.584	631.345	453.901	451.250	2.651
1992	45424	32782.407	32304.497	477.910	1.052	1.458	647.457	467.274	460.456	6.818
1993	46295	33491.183	32661.783	829.400	1.792	2.476	650.539	470.643	458.967	11.676
1994	47026	34074.347	32858.593	1215.754	2.585	3.568	650.951	471.719	454.844	16.875
1995	47856	34694.454	33049.012	1645.442	3.438	4.743	652.126	472.861	450.358	22.503
1996	48269	35027.269	32938.629	2088.640	4.327	5.963	649.159	471.202	442.987	28.215
1997	49072	35590.763	33023.347	2567.416	5.232	7.214	650.741	472.153	437.925	34.227
1998	49737	36100.785	33035.213	3065.571	6.164	8.492	650.199	472.184	431.865	40.319
1999	48948	35451.030	31973.895	3477.135	7.104	9.808	631.184	457.448	412.305	45.143
2000	50416	36447.986	32363.674	4084.312	8.101	11.206	641.932	464.474	412.077	52.397
2001	50494	36411.326	31798.483	4612.844	9.135	12.669	635.674	458.863	400.315	58.548
2002	51574	37078.545	31792.912	5285.633	10.249	14.255	642.781	462.696	396.244	66.452
2003	51561	36999.876	31147.150	5852.725	11.351	15.818	636.458	457.395	384.478	72.917
2004	51576	36861.555	30388.939	6472.616	12.550	17.559	630.152	451.138	371.287	79.851
2005	51624	36689.529	29586.086	7103.442	13.760	19.361	623.604	444.069	357.393	86.675
2006	51584	36504.774	28739.201	7765.573	15.054	21.273	617.528	437.979	344.045	93.934
2007	52098	36663.202	28148.681	8514.521	16.343	23.224	617.303	435.498	333.528	101.970
2008	51260	35898.803	26868.934	9029.869	17.616	25.154	600.621	421.800	314.827	106.973
2009	51508	35934.525	26142.175	9792.351	19.011	27.251	596.555	417.468	302.773	114.695
2010	51196	35502.829	25117.891	10384.94	20.285	29.251	585.969	407.730	287.489	120.241
2011	50880	35136.342	24073.457	11062.88	21.743	31.486	576.694	399.726	272.856	126.870
2012	51655	35450.201	23522.798	11927.40	23.091	33.646	579.290	399.173	263.801	135.372
2013	51511	35123.224	22509.748	12613.48	24.487	35.912	571.288	391.249	249.645	141.604
2014	51731	35079.370	21708.333	13371.04	25.847	38.117	567.222	386.476	238.030	148.445
2015	50952	34324.171	20536.063	13788.11	27.061	40.170	623.985	422.780	251.495	171.284
2016	49383	33054.753	18987.543	14067.21	28.486	42.557	598.746	403.264	230.216	173.049
2017	48886	32471.234	17894.741	14576.49	29.817	44.890	586.860	392.399	214.819	177.580
2018	51091	33657.595	17719.608	15937.99	31.196	47.353	607.218	402.871	210.600	192.271
2019	51711	33863.424	17041.153	16822.27	32.532	49.677	608.359	401.412	200.483	200.929
2020	52170	33910.830	16363.015	17547.81	33.636	51.747	694.481	455.532	217.824	237.708
2021	48756	31531.880	14427.644	17104.24	35.082	54.244	644.005	420.521	190.572	229.949
2022	49100	31560.212	13710.709	17849.50	36.353	56.557	643.293	417.708	179.633	238.075
2023	49412	31508.781	12987.510	18521.27	37.484	58.781	642.000	413.791	168.745	245.046
2024	49644	31517.293	12323.821	19193.47	38.662	60.898	639.740	410.740	158.811	251.928
2025	49384	31175.389	11646.150	19529.24	39.546	62.643	732.919	468.912	172.845	296.067
2026	46225	29044.598	10287.924	18756.67	40.577	64.579	683.007	435.206	152.013	283.193
2027	46047	28825.765	9629.353	19196.41	41.689	66.595	677.256	430.203	141.627	288.576
2028	45821	28513.846	8987.108	19526.74	42.616	68.482	670.695	423.769	131.548	292.221
2029	45556	28148.109	8372.965	19775.14	43.408	70.254	663.480	416.486	121.943	294.543
2030	44444	27314.475	7751.866	19562.61	44.017	71.620	764.018	478.407	133.260	345.147
2031	41799	25423.102	6959.698	18463.40	44.172	72.625	717.081	444.684	119.398	325.286
2032	41409	25085.902	6494.166	18591.74	44.898	74.112	708.536	437.933	111.119	326.814
2033	40998	24645.067	6042.305	18602.76	45.375	75.483	699.331	429.194	103.067	326.127
2034	40551	24239.126	5620.320	18618.81	45.915	76.813	689.349	420.967	95.543	325.424
2035	38616	22944.147	5126.032	17818.11	46.142	77.659	800.972	487.980	106.324	381.656
2036	34051	19950.581	4234.781	15715.80	46.154	78.774	706.822	424.953	87.904	337.049
2037	33482	19415.334	3876.619	15538.71	46.410	80.033	695.071	413.871	80.477	333.393
2038	32913	18939.317	3568.625	15370.69	46.702	81.158	682.773	403.701	74.031	329.669
2039	32357	18379.752	3254.829	15124.92	46.743	82.291	670.143	391.373	67.410	323.963

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3274574	398833.796	144298.445	254535.4	7.773	63.820	892.361	109.498	39.323	70.175

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12413.199	443.280	0.460	3.448	1393.01	185.775	179.370	6.405
1992	93723	12662.244	11575.515	1086.728	1.160	8.582	1335.89	180.485	164.993	15.492
1993	93687	12730.613	10901.796	1828.817	1.952	14.366	1316.50	178.900	153.193	25.707
1994	90849	12495.323	9944.662	2550.661	2.808	20.413	1257.58	172.983	137.659	35.324
1995	89728	12365.590	9126.100	3239.490	3.610	26.198	1222.72	168.534	124.361	44.173
1996	88333	12290.551	8312.131	3978.421	4.504	32.370	1187.97	165.338	111.789	53.549
1997	84842	11719.531	7325.906	4393.626	5.179	37.490	1125.10	155.473	97.149	58.324
1998	82604	11416.794	6584.038	4832.756	5.851	42.330	1079.87	149.327	86.072	63.255
1999	94068	13028.038	6862.161	6165.877	6.555	47.328	1213.01	168.109	88.488	79.621
2000	90196	12426.299	6008.433	6417.866	7.115	51.647	1148.44	158.354	76.504	81.851
2001	86305	11939.281	5210.481	6728.801	7.797	56.359	1086.50	150.461	65.595	84.866
2002	83229	11528.794	4538.285	6990.509	8.399	60.635	1037.31	143.865	56.562	87.304
2003	79545	11048.407	3943.520	7104.886	8.932	64.307	981.901	136.581	48.678	87.903
2004	74124	10375.132	3313.730	7061.401	9.526	68.061	905.636	126.978	40.487	86.492
2005	71940	10051.029	2885.118	7165.912	9.961	71.295	869.023	121.652	34.852	86.800
2006	67861	9542.523	2418.344	7124.179	10.498	74.657	812.382	114.490	28.951	85.539
2007	63829	8936.533	2025.310	6911.224	10.828	77.337	756.292	106.151	23.997	82.154
2008	63529	8944.180	1809.453	7134.727	11.231	79.769	744.381	105.091	21.202	83.890
2009	60122	8390.033	1542.862	6847.171	11.389	81.611	696.314	97.471	17.869	79.602
2010	58405	8157.570	1357.147	6800.422	11.643	83.363	668.483	93.685	15.533	78.152
2011	57796	8035.356	1201.396	6833.960	11.824	85.049	655.074	91.414	13.617	77.797
2012	57873	7970.766	1075.023	6895.743	11.915	86.513	649.031	89.752	12.056	77.696
2013	57566	7743.216	957.396	6785.820	11.788	87.636	638.439	86.254	10.618	75.636
2014	58078	7774.935	875.161	6899.774	11.880	88.744	636.824	85.658	9.596	76.062
2015	58986	7722.535	804.929	6917.605	11.728	89.577	722.371	95.120	9.858	85.263
2016	59294	7600.353	718.650	6881.703	11.606	90.545	718.910	92.723	8.713	84.010
2017	59689	7470.266	653.379	6816.888	11.421	91.254	716.537	90.274	7.844	82.431
2018	56772	6907.050	563.788	6343.262	11.173	91.837	674.744	82.675	6.701	75.975
2019	56625	6732.046	518.776	6213.270	10.973	92.294	666.177	79.801	6.103	73.697
2020	56098	6429.836	472.679	5957.157	10.619	92.649	746.782	86.373	6.292	80.081
2021	57130	6562.016	451.439	6110.576	10.696	93.120	754.624	87.513	5.963	81.550
2022	56707	6352.366	420.840	5931.526	10.460	93.375	742.955	84.075	5.514	78.562
2023	56260	6134.123	395.508	5738.615	10.200	93.552	730.979	80.557	5.139	75.418
2024	55732	5922.193	375.000	5547.193	9.953	93.668	718.199	77.179	4.832	72.347
2025	54295	5504.188	341.940	5162.247	9.508	93.788	805.808	82.789	5.075	77.714
2026	56363	5641.075	346.174	5294.902	9.394	93.863	832.803	84.526	5.115	79.411
2027	55314	5426.216	329.885	5096.331	9.213	93.921	813.553	80.982	4.852	76.130
2028	54235	5197.830	314.413	4883.417	9.004	93.951	793.856	77.249	4.602	72.647
2029	53146	4973.547	300.379	4673.168	8.793	93.960	774.015	73.590	4.375	69.215
2030	50670	4450.618	263.332	4187.286	8.264	94.083	871.048	77.952	4.527	73.425
2031	53295	4555.052	269.789	4285.263	8.041	94.077	914.305	79.674	4.628	75.046
2032	52006	4349.999	257.927	4092.072	7.868	94.071	889.853	75.939	4.413	71.526
2033	50728	4147.948	246.261	3901.687	7.691	94.063	865.293	72.237	4.201	68.036
2034	49439	3966.133	235.563	3730.570	7.546	94.061	840.442	68.881	4.004	64.876
2035	45874	3289.064	189.255	3099.810	6.757	94.246	951.519	69.952	3.926	66.027
2036	47808	3313.192	190.295	3122.897	6.532	94.256	992.382	70.572	3.950	66.622
2037	46300	3117.951	179.167	2938.784	6.347	94.254	961.175	66.464	3.719	62.745
2038	44833	2949.775	169.324	2780.451	6.202	94.260	930.069	62.876	3.513	59.363
2039	43423	2766.312	159.692	2606.620	6.003	94.227	899.321	58.905	3.307	55.598

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Rate	Rates	Rates
All Comb	1367611	104899.750	36623.709	68276.04	4.992	65.087

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000
1991	32505	3207.063	3067.279	139.784	0.430	4.359
1992	32561	3218.125	2880.080	338.045	1.038	10.504
1993	32771	3226.680	2670.352	556.328	1.698	17.242
1994	33011	3277.266	2493.392	783.873	2.375	23.919
1995	33741	3309.378	2304.286	1005.092	2.979	30.371
1996	33767	3312.987	2105.877	1207.109	3.575	36.436
1997	33724	3267.066	1891.832	1375.234	4.078	42.094
1998	33308	3178.725	1679.218	1499.507	4.502	47.173
1999	33936	3120.351	1503.510	1616.842	4.764	51.816
2000	33884	3142.808	1382.278	1760.530	5.196	56.018
2001	32574	2961.588	1188.768	1772.820	5.442	59.860
2002	32159	2940.627	1072.585	1868.042	5.809	63.525
2003	30659	2819.545	935.461	1884.084	6.145	66.822
2004	29490	2730.466	822.158	1908.308	6.471	69.889
2005	28065	2670.510	731.102	1939.408	6.911	72.623
2006	27323	2623.285	652.740	1970.545	7.212	75.117
2007	26434	2536.599	574.291	1962.308	7.423	77.360
2008	26143	2469.443	510.307	1959.136	7.494	79.335
2009	25195	2386.945	451.177	1935.767	7.683	81.098
2010	25009	2329.274	404.384	1924.891	7.697	82.639
2011	24977	2286.581	364.286	1922.295	7.696	84.069
2012	24698	2243.311	328.570	1914.741	7.753	85.353
2013	24666	2176.503	294.318	1882.185	7.631	86.477
2014	25536	2211.619	276.925	1934.694	7.576	87.479
2015	26587	2237.016	262.200	1974.815	7.428	88.279
2016	27029	2229.057	243.951	1985.106	7.344	89.056
2017	27943	2221.649	228.874	1992.776	7.132	89.698
2018	25577	1939.420	189.217	1750.203	6.843	90.244
2019	25775	1904.400	175.558	1728.842	6.707	90.781
2020	25750	1806.054	159.394	1646.660	6.395	91.174
2021	25844	1748.172	146.345	1601.827	6.198	91.629
2022	25959	1701.148	136.013	1565.135	6.029	92.005
2023	26066	1652.087	126.909	1525.178	5.851	92.318
2024	26130	1597.127	118.423	1478.703	5.659	92.585
2025	25754	1467.622	105.586	1362.037	5.289	92.806
2026	26008	1390.505	97.317	1293.188	4.972	93.001
2027	25813	1342.095	91.423	1250.672	4.845	93.188
2028	25591	1289.536	85.980	1203.556	4.703	93.332
2029	25357	1242.216	81.290	1160.926	4.578	93.456
2030	24566	1096.803	69.885	1026.919	4.180	93.628
2031	24602	1019.991	64.087	955.903	3.885	93.717
2032	24272	977.406	60.685	916.721	3.777	93.791
2033	23933	937.450	57.543	879.907	3.676	93.862
2034	23569	900.763	54.702	846.061	3.590	93.927
2035	22431	745.023	44.148	700.876	3.125	94.074
2036	21603	680.360	39.815	640.544	2.965	94.148
2037	21103	644.109	37.447	606.663	2.875	94.186
2038	20601	612.448	35.332	577.116	2.801	94.231
2039	20108	577.529	33.392	544.137	2.706	94.218

Results for PHIM for Run 2 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2194306	862051.244	475787.060	386264.2	17.603	44.808	597.975	236.673	129.658	107.015

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11492.944	109.989	0.414	0.948	383.818	167.661	166.072	1.589
1992	26829	11831.375	11553.291	278.084	1.037	2.350	382.405	168.642	164.676	3.966
1993	29777	13246.371	12724.311	522.060	1.753	3.941	418.423	186.148	178.803	7.344
1994	29810	13355.662	12609.759	745.902	2.502	5.585	412.640	184.893	174.550	10.343
1995	29765	13397.439	12419.432	978.007	3.286	7.300	405.608	182.598	169.239	13.359
1996	30917	13960.356	12705.335	1255.021	4.059	8.990	415.792	187.801	170.872	16.929
1997	31152	14109.552	12608.243	1501.309	4.819	10.640	413.113	187.180	167.199	19.981
1998	32130	14599.657	12808.987	1790.671	5.573	12.265	420.036	190.958	167.450	23.508
1999	34664	15728.102	13552.230	2175.872	6.277	13.834	447.000	202.950	174.757	28.193
2000	34361	15579.803	13173.324	2406.479	7.004	15.446	437.503	198.541	167.732	30.809
2001	34669	15696.614	13028.672	2667.943	7.696	16.997	436.449	197.812	164.019	33.792
2002	34383	15519.777	12617.458	2902.319	8.441	18.701	428.521	193.668	157.255	36.413
2003	35185	15888.389	12667.446	3220.943	9.154	20.272	434.325	196.413	156.366	40.047
2004	33636	15091.573	11778.399	3313.174	9.850	21.954	410.962	184.701	143.906	40.795
2005	35542	15803.656	12050.263	3753.393	10.560	23.750	429.339	191.278	145.564	45.714
2006	34144	15100.563	11256.517	3844.046	11.258	25.456	408.749	181.174	134.755	46.419
2007	34183	14974.384	10901.958	4072.425	11.913	27.196	405.031	177.871	129.175	48.696
2008	37650	16406.197	11662.545	4743.653	12.599	28.914	441.149	192.768	136.652	56.116
2009	37069	16083.194	11126.645	4956.549	13.371	30.818	429.325	186.846	128.866	57.980
2010	37055	15927.400	10749.616	5177.785	13.973	32.509	424.114	182.917	123.035	59.882
2011	37933	16221.836	10637.425	5584.410	14.722	34.425	429.944	184.547	120.568	63.979
2012	38593	16358.849	10436.070	5922.779	15.347	36.205	432.805	184.202	117.037	67.165
2013	40484	16994.822	10518.948	6475.874	15.996	38.105	448.989	189.311	116.661	72.650
2014	40484	16855.093	10104.051	6751.043	16.676	40.053	443.905	185.696	110.790	74.905
2015	42655	17572.483	10260.212	7312.271	17.143	41.612	522.373	216.445	125.652	90.793
2016	43096	17579.955	9910.151	7669.804	17.797	43.628	522.514	214.473	120.156	94.317
2017	44910	18080.688	9845.511	8235.178	18.337	45.547	539.124	218.496	118.191	100.305
2018	45962	18209.262	9626.830	8582.433	18.673	47.132	546.259	217.960	114.416	103.543
2019	47540	18648.302	9495.395	9152.907	19.253	49.082	559.287	221.054	111.710	109.344
2020	49061	19002.597	9351.250	9651.347	19.672	50.790	653.102	255.266	124.484	130.783
2021	49110	18885.717	8894.962	9990.755	20.344	52.901	648.681	251.867	117.492	134.375
2022	50546	19235.076	8685.035	10550.04	20.872	54.848	662.240	254.582	113.788	140.793
2023	51993	19521.158	8448.016	11073.14	21.297	56.724	675.538	256.363	109.764	146.599
2024	53381	19918.620	8240.092	11678.53	21.878	58.631	687.902	259.583	106.186	153.397
2025	54447	20150.545	8005.397	12145.15	22.306	60.272	808.065	303.086	118.811	184.275
2026	55372	20393.792	7725.317	12668.48	22.879	62.119	818.165	305.582	114.148	191.434
2027	56263	20615.351	7403.317	13212.03	23.483	64.088	827.503	307.668	108.887	198.782
2028	57097	20731.894	7062.652	13669.24	23.940	65.933	835.758	308.115	103.379	204.736
2029	57893	20781.967	6717.736	14064.23	24.293	67.675	843.152	307.495	97.837	209.658
2030	58198	20753.201	6386.944	14366.26	24.685	69.224	1000.47	363.487	109.796	253.692
2031	59865	21048.417	6273.850	14774.57	24.680	70.193	1027.02	368.165	107.632	260.533
2032	60441	21169.329	5968.717	15200.61	25.149	71.805	1034.19	369.560	102.128	267.432
2033	60978	21109.293	5640.974	15468.32	25.367	73.277	1040.14	367.618	96.221	271.397
2034	61439	21109.429	5317.720	15791.71	25.703	74.809	1044.43	366.613	90.399	276.213
2035	60835	20794.840	5002.362	15792.48	25.960	75.944	1261.84	442.268	103.759	338.509
2036	57902	19354.577	4432.128	14922.45	25.772	77.100	1201.91	412.258	92.001	320.257
2037	57904	19064.169	4071.095	14993.07	25.893	78.645	1202.07	406.385	84.515	321.870
2038	57872	18854.812	3746.483	15108.33	26.106	80.130	1200.57	401.900	77.721	324.179
2039	57832	18437.457	3396.333	15041.12	26.008	81.579	1197.75	392.602	70.341	322.261

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Control File Details for Run: 3

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S2B
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_2
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 3, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 3, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	S2B
Note:	Period is in Months

Age	Period	Initiation		Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.001921	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.002360	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000188	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000093	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000047	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.002944	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.004193	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000412	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000578	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000218	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.003449	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.004264	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.001965	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000671	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000332	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.003294	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.004442	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000059	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.001351	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000661	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.002198	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.003788	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000304	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000239	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000119	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

25-29	253+	0.020946	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.021137	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.020386	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.019918	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.018698	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.017459	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.016728	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.015230	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.012617	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.011163	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.011163	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 3, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 3, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	8166	8.85	0	0.00			
5	All Ages	Ecig	18940	20.52					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26816	29.06			15.23	1692	6.31
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	275	7.76	0	0.00			
5	18-19	Ecig	712	20.09					
5	18-19	Dual	0	0.00					
5	18-19	Former	109	3.08			1.07	76	69.72
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	703	7.78	0	0.00			
5	20-24	Ecig	2057	22.75					
5	20-24	Dual	0	0.00					
5	20-24	Former	493	5.45			2.89	128	25.96
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	896	9.13	0	0.00			
5	25-29	Ecig	2291	23.34					
5	25-29	Dual	0	0.00					
5	25-29	Former	1158	11.80			5.44	107	9.24
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

5	30-34	Never Any	5065	47.50					
5	30-34	CC	1034	9.70	0	0.00			
5	30-34	Ecig	2756	25.84					
5	30-34	Dual	0	0.00					
5	30-34	Former	1809	16.96			6.91	117	6.47
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	1034	9.47	0	0.00			
5	35-39	Ecig	2756	25.25					
5	35-39	Dual	0	0.00					
5	35-39	Former	2402	22.00			8.24	118	4.91
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	908	9.18	0	0.00			
5	40-44	Ecig	2289	23.15					
5	40-44	Dual	0	0.00					
5	40-44	Former	2751	27.82			12.13	136	4.94
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	875	10.11	0	0.00			
5	45-49	Ecig	1896	21.91					
5	45-49	Dual	0	0.00					
5	45-49	Former	2972	34.34			14.09	161	5.42
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	673	10.33	0	0.00			
5	50-54	Ecig	1322	20.29					
5	50-54	Dual	0	0.00					
5	50-54	Former	2601	39.92			16.19	166	6.38
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	517	9.44	0	0.00			
5	55-59	Ecig	990	18.08					
5	55-59	Dual	0	0.00					
5	55-59	Former	2359	43.07			17.24	119	5.04
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	420	8.43	0	0.00			
5	60-64	Ecig	782	15.69					
5	60-64	Dual	0	0.00					
5	60-64	Former	2444	49.05			17.48	132	5.40
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	330	6.73	0	0.00			
5	65-69	Ecig	528	10.76					
5	65-69	Dual	0	0.00					
5	65-69	Former	2878	58.67			20.56	207	7.19
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	287	6.54	0	0.00			
5	70-74	Ecig	321	7.32					
5	70-74	Dual	0	0.00					
5	70-74	Former	2756	62.82			21.81	140	5.08
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	214	6.12	0	0.00			
5	75-79	Ecig	240	6.86					
5	75-79	Dual	0	0.00					
5	75-79	Former	2084	59.56			23.18	85	4.08
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	2490	2.65	0	0.00			
10	All Ages	Ecig	23115	24.57					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29310	31.15			16.85	1714	5.85
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	301	3.40	0	0.00			
10	20-24	Ecig	2693	30.45					
10	20-24	Dual	0	0.00					
10	20-24	Former	924	10.45			3.38	254	27.49
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	248	2.74	0	0.00			
10	25-29	Ecig	2526	27.94					
10	25-29	Dual	0	0.00					
10	25-29	Former	925	10.23			5.08	180	19.46
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	247	2.52	0	0.00			
10	30-34	Ecig	2841	28.94					
10	30-34	Dual	0	0.00					
10	30-34	Former	1452	14.79			8.73	106	7.30
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	299	2.80	0	0.00			
10	35-39	Ecig	3283	30.79					
10	35-39	Dual	0	0.00					
10	35-39	Former	2085	19.55			10.59	113	5.42
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	284	2.60	0	0.00			
10	40-44	Ecig	3174	29.08					
10	40-44	Dual	0	0.00					
10	40-44	Former	2734	25.05			11.88	136	4.97
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	232	2.35	0	0.00			
10	45-49	Ecig	2583	26.12					
10	45-49	Dual	0	0.00					
10	45-49	Former	3133	31.68			15.28	161	5.14
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	226	2.61	0	0.00			
10	50-54	Ecig	2049	23.67					
10	50-54	Dual	0	0.00					
10	50-54	Former	3468	40.07			16.64	201	5.80
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	180	2.76	0	0.00			
10	55-59	Ecig	1429	21.93					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2987	45.85			18.71	146	4.89
10	60-64	Never Any		1611	29.41					
10	60-64	CC		143	2.61	0	0.00			
10	60-64	Ecig		1017	18.57					
10	60-64	Dual		0	0.00					
10	60-64	Former		2706	49.41			19.65	138	5.10
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		113	2.27	0	0.00			
10	65-69	Ecig		753	15.11					
10	65-69	Dual		0	0.00					
10	65-69	Former		2780	55.79			20.01	129	4.64
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		122	2.49	0	0.00			
10	70-74	Ecig		452	9.22					
10	70-74	Dual		0	0.00					
10	70-74	Former		3162	64.46			23.47	85	2.69
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		95	2.17	0	0.00			
10	75-79	Ecig		315	7.18					
10	75-79	Dual		0	0.00					
10	75-79	Former		2954	67.34			25.17	65	2.20
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		688	0.77	0	0.00			
15	All Ages	Ecig		21311	23.76					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		30257	33.73			18.48	1558	5.15
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		81	0.92	0	0.00			
15	25-29	Ecig		2755	31.15					
15	25-29	Dual		0	0.00					
15	25-29	Former		1375	15.55			6.33	174	12.65
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		63	0.70	0	0.00			
15	30-34	Ecig		2575	28.48					
15	30-34	Dual		0	0.00					
15	30-34	Former		1360	15.04			7.48	165	12.13
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		65	0.66	0	0.00			

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15	35-39	Ecig	2783	28.35					
15	35-39	Dual	0	0.00					
15	35-39	Former	1805	18.39			11.42	143	7.92
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	87	0.82	0	0.00			
15	40-44	Ecig	3070	28.79					
15	40-44	Dual	0	0.00					
15	40-44	Former	2510	23.54			13.25	205	8.17
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	83	0.76	0	0.00			
15	45-49	Ecig	2966	27.17					
15	45-49	Dual	0	0.00					
15	45-49	Former	3143	28.79			14.93	161	5.12
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	63	0.64	0	0.00			
15	50-54	Ecig	2349	23.75					
15	50-54	Dual	0	0.00					
15	50-54	Former	3536	35.76			18.22	144	4.07
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	77	0.89	0	0.00			
15	55-59	Ecig	1889	21.83					
15	55-59	Dual	0	0.00					
15	55-59	Former	3777	43.64			20.05	106	2.81
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	43	0.66	0	0.00			
15	60-64	Ecig	1243	19.08					
15	60-64	Dual	0	0.00					
15	60-64	Former	3310	50.81			21.58	162	4.89
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	32	0.58	0	0.00			
15	65-69	Ecig	805	14.70					
15	65-69	Dual	0	0.00					
15	65-69	Former	3029	55.30			22.26	109	3.60
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	44	0.88	0	0.00			
15	70-74	Ecig	547	10.98					
15	70-74	Dual	0	0.00					
15	70-74	Former	3055	61.31			22.94	113	3.70
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	50	1.02	0	0.00			
15	75-79	Ecig	329	6.71					
15	75-79	Dual	0	0.00					
15	75-79	Former	3357	68.44			26.94	76	2.26
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	185	0.22	0	0.00			
20	All Ages	Ecig	17672	20.84					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	30840	36.37			19.82	1523	4.94
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	19	0.21	0	0.00			
20	30-34	Ecig	2418	27.34					
20	30-34	Dual	0	0.00					
20	30-34	Former	1900	21.48			8.72	231	12.16
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	14	0.15	0	0.00			
20	35-39	Ecig	2209	24.44					
20	35-39	Dual	0	0.00					
20	35-39	Former	1826	20.20			9.85	147	8.05
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	13	0.13	0	0.00			
20	40-44	Ecig	2480	25.26					
20	40-44	Dual	0	0.00					
20	40-44	Former	2160	22.00			14.05	141	6.53
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	22	0.21	0	0.00			
20	45-49	Ecig	2658	24.92					
20	45-49	Dual	0	0.00					
20	45-49	Former	2987	28.01			15.68	168	5.62
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	33	0.30	0	0.00			
20	50-54	Ecig	2589	23.72					
20	50-54	Dual	0	0.00					
20	50-54	Former	3570	32.70			17.79	169	4.73
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	23	0.23	0	0.00			
20	55-59	Ecig	1923	19.45					
20	55-59	Dual	0	0.00					
20	55-59	Former	4002	40.47			20.74	193	4.82
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	21	0.24	0	0.00			
20	60-64	Ecig	1461	16.88					
20	60-64	Dual	0	0.00					
20	60-64	Former	4261	49.23			22.39	239	5.61
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	13	0.20	0	0.00			
20	65-69	Ecig	896	13.75					
20	65-69	Dual	0	0.00					
20	65-69	Former	3687	56.59			24.09	125	3.39
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	14	0.26	0	0.00			
20	70-74	Ecig	625	11.41					
20	70-74	Dual	0	0.00					
20	70-74	Former	3227	58.92			25.73	62	1.92
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	13	0.26	0	0.00			
20	75-79	Ecig	413	8.29					
20	75-79	Dual	0	0.00					
20	75-79	Former	3220	64.62			26.63	48	1.49
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	47	0.06	0	0.00			
25	All Ages	Ecig	14397	18.04					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	30626	38.37			21.88	1094	3.57
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	4	0.05	0	0.00			
25	35-39	Ecig	2011	22.74					
25	35-39	Dual	0	0.00					
25	35-39	Former	2341	26.47			11.57	141	6.02
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	3	0.03	0	0.00			
25	40-44	Ecig	1928	21.33					
25	40-44	Dual	0	0.00					

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25	40-44	Former	2118	23.43			13.09	112	5.29
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5163	52.60					
25	45-49	CC	4	0.04	0	0.00			
25	45-49	Ecig	2238	22.80					
25	45-49	Dual	0	0.00					
25	45-49	Former	2411	24.56			17.30	79	3.28
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4997	46.86					
25	50-54	CC	3	0.03	0	0.00			
25	50-54	Ecig	2402	22.52					
25	50-54	Dual	0	0.00					
25	50-54	Former	3262	30.59			19.09	127	3.89
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4724	43.28					
25	55-59	CC	8	0.07	0	0.00			
25	55-59	Ecig	2156	19.75					
25	55-59	Dual	0	0.00					
25	55-59	Former	4028	36.90			20.45	167	4.15
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	8	0.08	0	0.00			
25	60-64	Ecig	1479	14.96					
25	60-64	Dual	0	0.00					
25	60-64	Former	4461	45.11			23.29	202	4.53
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	12	0.14	0	0.00			
25	65-69	Ecig	1009	11.66					
25	65-69	Dual	0	0.00					
25	65-69	Former	4722	54.56			24.94	143	3.03
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	4	0.06	0	0.00			
25	70-74	Ecig	678	10.41					
25	70-74	Dual	0	0.00					
25	70-74	Former	3914	60.08			27.53	78	1.99
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	1	0.02	0	0.00			
25	75-79	Ecig	496	9.06					
25	75-79	Dual	0	0.00					
25	75-79	Former	3369	61.51			29.52	45	1.34
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	33136	44.57					
30	All Ages	CC	10	0.01	0	0.00			
30	All Ages	Ecig	11435	15.38					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	29759	40.03			23.93	960	3.23
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	1	0.01	0	0.00			
30	40-44	Ecig	1742	19.69					
30	40-44	Dual	0	0.00					
30	40-44	Former	2613	29.54			15.05	111	4.25
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	0	0.00	0	0.00			
30	45-49	Ecig	1703	18.84					
30	45-49	Dual	0	0.00					
30	45-49	Former	2346	25.95			16.57	62	2.64
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	1	0.01	0	0.00			
30	50-54	Ecig	2041	20.79					
30	50-54	Dual	0	0.00					
30	50-54	Former	2611	26.60			20.72	104	3.98
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	0	0.00	0	0.00			
30	55-59	Ecig	1982	18.59					
30	55-59	Dual	0	0.00					
30	55-59	Former	3685	34.56			21.56	166	4.50
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	1	0.01	0	0.00			
30	60-64	Ecig	1642	15.04					
30	60-64	Dual	0	0.00					
30	60-64	Former	4549	41.67			22.75	219	4.81
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	2	0.02	0	0.00			
30	65-69	Ecig	1065	10.77					
30	65-69	Dual	0	0.00					
30	65-69	Former	4881	49.36			26.05	142	2.91
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	3	0.03	0	0.00			
30	70-74	Ecig	746	8.62					
30	70-74	Dual	0	0.00					
30	70-74	Former	4994	57.70			28.43	96	1.92
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	2	0.03	0	0.00			
30	75-79	Ecig	514	7.89					
30	75-79	Dual	0	0.00					
30	75-79	Former	4080	62.62			31.29	60	1.47
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	2	0.00	0	0.00			
35	All Ages	Ecig	8863	13.07					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	27743	40.90			25.84	793	2.86
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	0	0.00	0	0.00			
35	45-49	Ecig	1534	17.34					
35	45-49	Dual	0	0.00					
35	45-49	Former	2822	31.91			18.75	63	2.23
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	0	0.00	0	0.00			
35	50-54	Ecig	1568	17.35					
35	50-54	Dual	0	0.00					
35	50-54	Former	2481	27.44			20.48	73	2.94
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1688	17.20					
35	55-59	Dual	0	0.00					
35	55-59	Former	2965	30.21			22.89	150	5.06
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	0	0.00	0	0.00			
35	60-64	Ecig	1495	14.02					
35	60-64	Dual	0	0.00					
35	60-64	Former	4172	39.12			23.69	196	4.70
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	1	0.01	0	0.00			
35	65-69	Ecig	1186	10.86					
35	65-69	Dual	0	0.00					
35	65-69	Former	5005	45.85			25.42	157	3.14
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	0	0.00	0	0.00			
35	70-74	Ecig	824	8.33					
35	70-74	Dual	0	0.00					
35	70-74	Former	5124	51.82			29.68	82	1.60
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	1	0.01	0	0.00			
35	75-79	Ecig	568	6.56					
35	75-79	Dual	0	0.00					
35	75-79	Former	5174	59.78			32.34	72	1.39
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	1	0.00	0	0.00			
40	All Ages	Ecig	6545	11.06					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	24319	41.10			27.39	688	2.83
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4489	50.75					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		1383	15.64					
40	50-54	Dual		0	0.00					
40	50-54	Former		2973	33.61			22.61	85	2.86
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		4991	55.21					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		1306	14.45					
40	55-59	Dual		0	0.00					
40	55-59	Former		2743	30.34			23.24	110	4.01
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5163	52.60					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		1261	12.85					
40	60-64	Dual		0	0.00					
40	60-64	Former		3392	34.56			24.62	177	5.22
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		4997	46.86					
40	65-69	CC		0	0.00	0	0.00			
40	65-69	Ecig		1088	10.20					
40	65-69	Dual		0	0.00					
40	65-69	Former		4579	42.94			26.34	138	3.01
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		4724	43.28					
40	70-74	CC		1	0.01	0	0.00			
40	70-74	Ecig		881	8.07					
40	70-74	Dual		0	0.00					
40	70-74	Former		5310	48.64			28.80	98	1.85
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		3941	39.85					
40	75-79	CC		0	0.00	0	0.00			

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40	75-79	Ecig	626	6.33					
40	75-79	Dual	0	0.00					
40	75-79	Former	5322	53.82			33.46	80	1.50
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	0	0.00	0	0.00			
45	All Ages	Ecig	4567	9.27					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	20350	41.29			28.78	546	2.68
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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45	55-59	Never Any	4489	50.75					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	1160	13.11					
45	55-59	Dual	0	0.00					
45	55-59	Former	3196	36.13			25.82	101	3.16
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	1028	11.37					
45	60-64	Dual	0	0.00					
45	60-64	Former	3021	33.42			25.81	130	4.30
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	920	9.37					
45	65-69	Dual	0	0.00					
45	65-69	Former	3733	38.03			27.12	111	2.97
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	0	0.00	0	0.00			
45	70-74	Ecig	826	7.75					
45	70-74	Dual	0	0.00					
45	70-74	Former	4841	45.40			29.75	104	2.15
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	0	0.00	0	0.00			
45	75-79	Ecig	633	5.80					
45	75-79	Dual	0	0.00					
45	75-79	Former	5559	50.93			32.38	100	1.80
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	0	0.00	0	0.00			
50	All Ages	Ecig	2872	7.49					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	15853	41.32			30.40	407	2.57
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	858	9.70					
50	60-64	Dual	0	0.00					
50	60-64	Former	3498	39.55			28.33	130	3.72
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	712	7.88					
50	65-69	Dual	0	0.00					
50	65-69	Former	3337	36.91			28.09	119	3.57
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	677	6.90					
50	70-74	Dual	0	0.00					
50	70-74	Former	3976	40.51			30.29	83	2.09
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	0	0.00	0	0.00			
50	75-79	Ecig	625	5.86					
50	75-79	Dual	0	0.00					
50	75-79	Former	5042	47.28			33.45	75	1.49

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13148871	4509390.583	2839085.087	1670305	12.703	37.041	3806.31	1305.37	821.854	483.517

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	0.000	
1991	313217	123999.442	123381.660	617.782	0.197	0.498	4883.81	1933.45	1923.82	9.633
1992	308577	122014.015	120354.489	1659.526	0.538	1.360	4729.73	1870.18	1844.74	25.436
1993	311713	122810.618	119744.820	3065.797	0.984	2.496	4692.62	1848.83	1802.67	46.153
1994	305700	119925.592	115271.267	4654.325	1.523	3.881	4516.19	1771.69	1702.93	68.760
1995	303225	117896.496	111432.112	6464.384	2.132	5.483	4393.80	1708.35	1614.68	93.670
1996	299559	115698.645	107304.383	8394.262	2.802	7.255	4273.16	1650.42	1530.68	119.743
1997	294226	113359.847	103096.456	10263.39	3.488	9.054	4128.67	1590.70	1446.68	144.019
1998	289258	111444.212	99339.274	12104.94	4.185	10.862	3992.19	1538.10	1371.03	167.066
1999	311002	114877.722	98951.949	15925.77	5.121	13.863	4224.60	1560.48	1344.15	216.333
2000	303786	112379.704	94480.775	17898.93	5.892	15.927	4066.21	1504.22	1264.64	239.579
2001	296294	110024.943	90082.492	19942.45	6.731	18.125	3914.28	1453.52	1190.06	263.456
2002	291898	108289.173	86107.012	22182.16	7.599	20.484	3813.00	1414.56	1124.80	289.760
2003	285865	106539.023	82421.594	24117.43	8.437	22.637	3695.36	1377.22	1065.46	311.764
2004	274177	103037.251	77654.950	25382.30	9.258	24.634	3506.10	1317.61	993.031	324.582
2005	272379	103044.562	75683.924	27360.64	10.045	26.552	3442.69	1302.41	956.594	345.820
2006	264118	99672.555	70729.823	28942.73	10.958	29.038	3307.76	1248.28	885.806	362.473
2007	258419	97839.152	67583.299	30255.85	11.708	30.924	3203.20	1212.75	837.719	375.032
2008	259461	98075.852	66056.658	32019.19	12.341	32.647	3180.09	1202.07	809.626	392.445
2009	253907	95617.338	62501.213	33116.13	13.043	34.634	3075.31	1158.11	757.012	401.101
2010	251878	94607.988	60160.758	34447.23	13.676	36.410	3013.72	1131.98	719.823	412.161
2011	251779	93633.119	57580.783	36052.34	14.319	38.504	2982.76	1109.25	682.146	427.103
2012	252643	92775.175	55141.631	37633.54	14.896	40.564	2960.61	1087.19	646.179	441.010
2013	256175	92345.780	53057.748	39288.03	15.336	42.544	2967.76	1069.82	614.668	455.148
2014	257393	91379.215	50768.275	40610.94	15.778	44.442	2947.05	1046.26	581.277	464.979
2015	259782	90750.242	48920.056	41830.19	16.102	46.094	3346.10	1168.90	630.111	538.790
2016	261453	88811.996	45822.779	42989.22	16.442	48.405	3336.15	1133.24	584.701	548.544
2017	263685	87325.126	43312.970	44012.16	16.691	50.400	3333.85	1104.08	547.619	556.460
2018	258714	87612.144	42621.443	44990.70	17.390	51.352	3240.73	1097.46	533.889	563.567
2019	261438	87797.760	41329.081	46468.68	17.774	52.927	3242.99	1089.08	512.664	576.418
2020	262288	87221.042	39953.791	47267.25	18.021	54.192	3715.29	1235.48	565.942	669.537
2021	255079	82001.292	35475.730	46525.56	18.240	56.738	3587.82	1153.39	498.984	654.405
2022	257097	81915.977	34060.989	47854.99	18.614	58.420	3588.53	1143.37	475.420	667.955
2023	259080	81810.810	32668.542	49142.27	18.968	60.068	3586.88	1132.64	452.286	680.359
2024	260719	81528.303	31301.686	50226.62	19.265	61.606	3579.65	1119.38	429.770	689.608
2025	257308	79599.213	29756.601	49842.61	19.371	62.617	4112.08	1272.09	475.545	769.543
2026	251528	75082.462	26401.692	48680.77	19.354	64.836	4003.24	1194.99	420.201	774.788
2027	250988	74444.425	25013.616	49430.81	19.694	66.400	3976.53	1179.46	396.303	783.157
2028	250285	73699.585	23577.685	50121.90	20.026	68.008	3945.35	1161.76	371.666	790.094
2029	249525	72819.703	22205.122	50614.58	20.284	69.507	3910.99	1141.36	348.037	793.319
2030	240528	69309.277	20680.856	48628.42	20.217	70.161	4504.36	1297.95	387.289	910.661
2031	235442	65433.368	18300.430	47132.94	20.019	72.032	4397.65	1222.18	341.820	880.361
2032	234017	64643.552	17173.124	47470.43	20.285	73.434	4356.12	1203.31	319.669	883.639
2033	232559	63793.514	16115.921	47677.59	20.501	74.737	4310.93	1182.54	298.740	883.797
2034	230963	63032.151	15120.720	47911.43	20.744	76.011	4260.75	1162.80	278.943	883.857
2035	215822	57653.301	13734.135	43919.17	20.350	76.178	4924.38	1315.47	313.371	1002.10
2036	208183	52988.733	11475.005	41513.73	19.941	78.344	4748.94	1208.75	261.761	946.985
2037	205491	52026.921	10612.507	41414.41	20.154	79.602	4682.40	1185.50	241.820	943.683
2038	202834	50943.211	9746.719	41196.49	20.310	80.867	4612.18	1158.38	221.628	936.755
2039	200251	50085.991	9043.479	41042.51	20.496	81.944	4538.65	1135.19	204.969	930.222

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1662383.466	582604.6	19.002	25.951	887.537	649.875	481.224	168.651

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62844.018	74.385	0.095	0.118	1223.41	981.049	979.890	1.160
1992	77987	62366.766	62165.316	201.450	0.258	0.323	1195.35	955.930	952.842	3.088
1993	78542	62652.888	62266.129	386.758	0.492	0.617	1182.39	943.195	937.372	5.822
1994	77437	61565.227	60963.661	601.565	0.777	0.977	1144.00	909.520	900.633	8.887
1995	76904	60851.961	59989.500	862.461	1.121	1.417	1114.36	881.759	869.261	12.497
1996	76232	60122.922	58944.426	1178.496	1.546	1.960	1087.44	857.643	840.832	16.811
1997	75473	59237.155	57725.970	1511.185	2.002	2.551	1059.06	831.234	810.029	21.205
1998	75381	58906.696	56991.311	1915.385	2.541	3.252	1040.37	813.001	786.565	26.435
1999	73159	56930.073	54623.262	2306.811	3.153	4.052	993.781	773.329	741.994	31.335
2000	73784	57137.121	54322.158	2814.963	3.815	4.927	987.608	764.787	727.109	37.679
2001	73294	56481.726	53116.321	3365.406	4.592	5.958	968.273	746.169	701.710	44.460
2002	72442	55588.365	51662.868	3925.497	5.419	7.062	946.293	726.138	674.860	51.278
2003	71942	54945.856	50388.206	4557.650	6.335	8.295	929.989	710.281	651.365	58.916
2004	71301	54203.126	48975.159	5227.966	7.332	9.645	911.778	693.135	626.281	66.854
2005	70964	53744.603	47832.095	5912.508	8.332	11.001	896.937	679.296	604.565	74.730
2006	69658	52535.572	45910.828	6624.744	9.510	12.610	872.383	657.945	574.978	82.967
2007	68565	51492.124	44167.776	7324.348	10.682	14.224	849.888	638.264	547.476	90.788
2008	68226	51030.736	42860.961	8169.775	11.975	16.010	836.215	625.460	525.327	100.133
2009	67509	50276.199	41288.554	8987.645	13.313	17.877	817.667	608.943	500.085	108.858
2010	67196	49840.933	40020.129	9820.803	14.615	19.704	804.000	596.347	478.841	117.506
2011	66506	49072.841	38365.820	10707.02	16.099	21.819	787.880	581.354	454.511	126.843
2012	66155	48539.512	36884.981	11654.53	17.617	24.010	775.240	568.812	432.238	136.574
2013	65333	47675.741	35179.307	12496.43	19.127	26.211	756.876	552.318	407.548	144.770
2014	65033	47194.534	33830.587	13363.95	20.549	28.317	744.602	540.359	387.347	153.012
2015	64145	46305.842	32196.217	14109.62	21.996	30.471	726.215	525.439	414.701	181.738
2016	61618	44208.867	29724.293	14484.57	23.507	32.764	786.248	564.107	379.283	184.824
2017	59897	42702.624	27766.583	14936.04	24.936	34.977	757.297	539.903	351.062	188.841
2018	62468	44321.202	27673.420	16647.78	26.650	37.562	782.490	555.181	346.646	208.535
2019	63045	44493.088	26736.765	17756.32	28.165	39.908	782.035	551.912	331.655	220.257
2020	63466	44529.551	25761.830	18767.72	29.571	42.147	898.991	630.757	364.914	265.843
2021	57113	39852.556	22065.655	17786.90	31.143	44.632	803.323	560.546	310.364	250.182
2022	57440	39853.685	21068.240	18785.44	32.704	47.136	801.745	556.274	294.068	262.205
2023	57738	39847.050	20076.513	19770.54	34.242	49.616	799.366	551.670	277.953	273.717
2024	57942	39726.010	19092.757	20633.25	35.610	51.939	795.539	545.435	262.142	283.293
2025	57521	39207.348	18039.829	21167.52	36.799	53.989	919.257	626.579	288.297	338.281
2026	51428	34803.960	15224.457	19579.50	38.072	56.257	818.510	553.929	242.308	311.621
2027	51172	34484.595	14291.439	20193.16	39.462	58.557	810.740	546.357	226.427	319.930
2028	50870	34100.638	13343.967	20756.67	40.803	60.869	801.884	537.544	210.347	327.197
2029	50540	33669.838	12452.184	21217.65	41.982	63.017	792.146	527.732	195.172	332.560
2030	49109	32557.688	11516.210	21041.48	42.846	64.628	919.662	609.705	215.663	394.042
2031	43585	28646.393	9591.970	19054.42	43.718	66.516	814.096	535.065	179.161	355.903
2032	43163	28227.160	8913.206	19313.95	44.747	68.423	803.454	525.435	165.915	359.520
2033	42725	27786.623	8283.509	19503.11	45.648	70.189	791.996	515.079	153.551	361.528
2034	42256	27348.299	7699.819	19648.48	46.499	71.845	779.523	504.514	142.044	362.470
2035	39748	25570.077	6947.171	18622.91	46.852	72.831	906.933	583.430	158.513	424.917
2036	34030	21717.319	5437.171	16280.15	47.841	74.964	776.269	495.402	124.029	371.373
2037	33454	21256.024	4995.195	16260.83	48.607	76.500	762.289	484.347	113.822	370.525
2038	32883	20747.175	4561.998	16185.18	49.220	78.011	747.720	471.764	103.734	368.030
2039	32325	20327.688	4217.986	16109.70	49.836	79.250	732.644	460.724	95.600	365.124

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6360041	1098877.421	465660.416	633217.0	9.956	57.624	1841.09	318.101	134.799	183.303

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36862.128	447.710	0.266	1.200	2620.21	581.750	574.769	6.981
1992	164548	36137.488	34932.561	1204.926	0.732	3.334	2522.12	553.899	535.431	18.469
1993	164362	35599.588	33400.782	2198.806	1.338	6.176	2474.35	535.926	502.825	33.101
1994	159866	34336.757	31019.139	3317.618	2.075	9.662	2361.75	507.267	458.254	49.012
1995	158083	33455.759	28881.075	4574.684	2.894	13.674	2290.66	484.782	418.493	66.288
1996	154875	32193.824	26324.770	5869.054	3.790	18.230	2209.26	459.239	375.518	83.721
1997	149970	30665.509	23597.952	7067.557	4.713	23.047	2104.43	430.308	331.134	99.174
1998	145407	29188.430	21023.119	8165.311	5.615	27.974	2006.83	402.844	290.150	112.694
1999	165952	33375.386	22199.246	11176.14	6.735	33.486	2254.27	453.366	301.551	151.815
2000	160260	32024.754	19716.047	12308.71	7.680	38.435	2145.10	428.655	263.902	164.754
2001	154444	30682.393	17232.997	13449.40	8.708	43.834	2040.33	405.339	227.662	177.677
2002	151887	30218.370	15446.920	14771.45	9.725	48.882	1984.06	394.736	201.780	192.956
2003	146733	29175.202	13515.462	15659.74	10.672	53.675	1896.81	377.146	174.713	202.432
2004	138381	27488.687	11511.922	15976.77	11.545	58.121	1769.58	351.518	147.211	204.307
2005	135881	27017.439	10251.468	16765.97	12.339	62.056	1717.44	341.482	129.572	211.911
2006	131922	26231.435	8856.750	17374.69	13.170	66.236	1652.16	328.517	110.920	217.597
2007	126502	25103.049	7598.716	17504.33	13.837	69.730	1568.04	311.161	94.189	216.973
2008	125859	24621.740	6767.999	17853.74	14.186	72.512	1542.60	301.777	82.952	218.825
2009	122428	23741.177	5904.245	17836.93	14.569	75.131	1482.84	287.552	71.512	216.040
2010	120537	23189.160	5232.027	17957.13	14.898	77.438	1442.22	277.458	62.601	214.857
2011	120221	22786.927	4615.412	18171.52	15.115	79.745	1424.23	269.951	54.678	215.274
2012	120927	22485.295	4125.952	18359.34	15.182	81.650	1417.09	263.495	48.350	215.145
2013	122648	22251.884	3724.549	18527.34	15.106	83.262	1420.86	257.786	43.148	214.637
2014	123229	21894.593	3359.122	18535.47	15.041	84.658	1410.92	250.685	38.461	212.224
2015	123774	21471.109	3044.546	18426.56	14.887	85.820	1594.26	276.557	39.215	237.342
2016	126218	21411.568	2764.337	18647.23	14.774	87.090	1610.55	273.213	35.273	237.939
2017	128265	21169.399	2516.097	18653.30	14.543	88.114	1621.69	267.651	31.812	235.840
2018	121429	19830.576	2163.850	17666.73	14.549	89.088	1521.05	248.404	27.105	221.299
2019	121832	19431.014	1982.066	17448.95	14.322	89.799	1511.26	241.031	24.586	216.444
2020	120811	18532.612	1782.211	16750.40	13.865	90.383	1711.27	262.513	25.245	237.268
2021	119407	18234.128	1619.962	16614.17	13.914	91.116	1679.51	256.472	22.786	233.687
2022	119438	17812.559	1483.958	16328.60	13.671	91.669	1667.10	248.626	20.713	227.913
2023	119445	17361.668	1361.338	16000.33	13.396	92.159	1653.68	240.367	18.847	221.520
2024	119305	16929.676	1268.848	15660.83	13.127	92.505	1638.05	232.443	17.421	215.022
2025	115685	15501.666	1119.292	14382.37	12.432	92.780	1848.78	247.735	17.888	229.847
2026	115073	15523.814	1079.181	14444.63	12.553	93.048	1831.46	247.072	17.176	229.896
2027	113989	15073.070	1016.001	14057.07	12.332	93.259	1805.98	238.810	16.097	222.713
2028	112855	14636.710	957.403	13679.31	12.121	93.459	1778.98	230.725	15.092	215.633
2029	111718	14180.166	909.831	13270.34	11.878	93.584	1751.04	222.256	14.260	207.996
2030	104851	12111.772	757.853	11353.92	10.829	93.743	1963.54	226.816	14.192	212.624
2031	105289	12417.367	765.394	11651.97	11.067	93.836	1966.62	231.935	14.296	217.639
2032	103879	12054.064	728.928	11325.14	10.902	93.953	1933.67	224.381	13.569	210.812
2033	102485	11672.389	690.979	10981.41	10.715	94.080	1899.76	216.370	12.809	203.562
2034	101070	11365.762	670.730	10695.03	10.582	94.099	1864.51	209.673	12.373	197.299
2035	90820	8580.360	486.097	8094.263	8.912	94.335	2072.23	195.777	11.091	184.686
2036	92117	8948.841	501.364	8447.477	9.170	94.397	2101.31	204.135	11.437	192.699
2037	90327	8624.570	481.150	8143.420	9.016	94.421	2058.21	196.522	10.964	185.559
2038	88590	8315.017	457.130	7857.887	8.870	94.502	2014.42	189.073	10.395	178.678
2039	86921	8001.132	439.786	7561.345	8.699	94.503	1970.05	181.344	9.968	171.377

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1489699	149918.462	63032.223	86886.24	5.832	57.956	431.236	43.398	18.246	25.152

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4496.065	59.501	0.182	1.306	508.609	71.032	70.104	0.928
1992	32100	4453.572	4297.071	156.501	0.488	3.514	492.014	68.262	65.864	2.399
1993	32896	4462.473	4174.541	287.932	0.875	6.452	495.226	67.179	62.845	4.335
1994	33323	4499.513	4054.336	445.177	1.336	9.894	492.290	66.473	59.896	6.577
1995	33569	4472.774	3852.363	620.412	1.848	13.871	486.422	64.812	55.822	8.990
1996	33870	4406.878	3602.682	804.196	2.374	18.249	483.150	62.863	51.392	11.472
1997	33516	4288.158	3307.645	980.513	2.926	22.866	470.307	60.173	46.414	13.759
1998	32795	4120.148	2981.050	1139.098	3.473	27.647	452.620	56.864	41.143	15.721
1999	33375	3982.443	2688.583	1293.860	3.877	32.489	453.361	54.097	36.521	17.576
2000	33459	4021.411	2528.690	1492.721	4.461	37.119	447.853	53.827	33.847	19.980
2001	32275	3848.092	2234.397	1613.696	5.000	41.935	426.379	50.836	29.518	21.318
2002	31586	3783.081	2025.167	1757.914	5.565	46.468	412.601	49.418	26.454	22.963
2003	30985	3754.415	1841.639	1912.776	6.173	50.947	400.541	48.533	23.807	24.726
2004	29884	3666.274	1647.875	2018.400	6.754	55.053	382.149	46.883	21.073	25.811
2005	28708	3589.688	1471.417	2118.271	7.379	59.010	362.850	45.371	18.598	26.774
2006	28188	3596.985	1336.440	2260.544	8.020	62.846	353.021	45.048	16.737	28.311
2007	28026	3560.798	1201.901	2358.897	8.417	66.246	347.392	44.137	14.898	29.239
2008	27128	3417.001	1047.534	2369.467	8.734	69.343	332.495	41.881	12.839	29.041
2009	27068	3394.390	946.557	2447.833	9.043	72.114	327.847	41.113	11.465	29.648
2010	26911	3340.137	851.851	2488.286	9.246	74.497	321.990	39.965	10.192	29.772
2011	26959	3285.435	765.793	2519.642	9.346	76.691	319.377	38.922	9.072	29.850
2012	27057	3259.209	689.773	2569.436	9.496	78.836	317.068	38.193	8.083	30.110
2013	27904	3274.703	633.235	2641.468	9.466	80.663	323.265	37.937	7.336	30.601
2014	28792	3298.083	582.747	2715.335	9.431	82.331	329.657	37.762	6.672	31.090
2015	29560	3244.406	530.866	2713.540	9.180	83.637	380.745	41.789	6.838	34.952
2016	30513	3314.836	497.323	2817.514	9.234	84.997	389.347	42.297	6.346	35.952
2017	31416	3333.314	460.873	2872.441	9.143	86.174	397.202	42.144	5.827	36.317
2018	29348	2925.242	377.153	2548.088	8.682	87.107	367.626	36.642	4.724	31.918
2019	29598	2864.628	343.753	2520.875	8.517	88.000	367.149	35.534	4.264	31.270
2020	29592	2730.366	307.733	2422.633	8.187	88.729	419.174	38.675	4.359	34.316
2021	30097	2647.911	278.313	2369.598	7.873	89.489	423.328	37.244	3.915	33.330
2022	30304	2586.165	253.711	2332.454	7.697	90.190	422.974	36.097	3.541	32.556
2023	30505	2517.960	231.590	2286.370	7.495	90.802	422.337	34.860	3.206	31.654
2024	30661	2454.161	213.726	2240.434	7.307	91.291	420.968	33.695	2.934	30.761
2025	30254	2275.364	189.117	2086.247	6.896	91.689	483.488	36.363	3.022	33.341
2026	30685	2183.166	173.303	2009.863	6.550	92.062	488.380	34.747	2.758	31.988
2027	30561	2112.345	160.746	1951.599	6.386	92.390	484.196	33.467	2.547	30.920
2028	30412	2046.677	149.838	1896.838	6.237	92.679	479.392	32.263	2.362	29.901
2029	30254	1977.671	140.171	1837.501	6.074	92.912	474.195	30.997	2.197	28.800
2030	29330	1744.457	120.090	1624.367	5.538	93.116	549.260	32.668	2.249	30.419
2031	28976	1653.738	110.165	1543.573	5.327	93.338	541.223	30.889	2.058	28.831
2032	28724	1603.120	103.214	1499.907	5.222	93.562	534.690	29.841	1.921	27.920
2033	28464	1548.245	96.639	1451.606	5.100	93.758	527.627	28.700	1.791	26.908
2034	28178	1511.985	92.318	1419.667	5.038	93.894	519.826	27.893	1.703	26.190
2035	26737	1239.866	73.749	1166.117	4.361	94.052	610.065	28.290	1.683	26.607
2036	25591	1182.522	68.770	1113.752	4.352	94.184	583.762	26.975	1.569	25.406
2037	25143	1134.483	65.551	1068.932	4.251	94.222	572.916	25.851	1.494	24.357
2038	24693	1093.537	62.010	1031.526	4.177	94.329	561.491	24.866	1.410	23.456
2039	24247	1047.905	58.981	988.923	4.079	94.371	549.553	23.751	1.337	22.414

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	648008.982	367597.6	16.461	36.195	646.447	293.996	187.585	106.412

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19179.449	36.187	0.106	0.188	531.576	299.618	299.054	0.564
1992	33942	19056.189	18959.541	96.648	0.285	0.507	520.248	292.085	290.603	1.481
1993	35913	20095.670	19903.368	192.301	0.535	0.957	540.645	302.526	299.631	2.895
1994	35074	19524.095	19234.129	289.965	0.827	1.485	518.158	288.435	284.151	4.284
1995	34669	19116.002	18709.174	406.828	1.173	2.128	502.362	276.995	271.100	5.895
1996	34582	18975.021	18432.505	542.517	1.569	2.859	493.306	270.675	262.936	7.739
1997	35267	19169.025	18464.888	704.136	1.997	3.673	494.878	268.986	259.105	9.881
1998	35675	19228.937	18343.793	885.144	2.481	4.603	492.368	265.388	253.172	12.216
1999	38516	20589.820	19440.858	1148.962	2.983	5.580	523.195	279.689	264.082	15.607
2000	36283	19196.417	17913.880	1282.538	3.535	6.681	485.652	256.946	239.779	17.167
2001	36281	19012.731	17498.778	1513.954	4.173	7.963	479.301	251.174	231.173	20.001
2002	35983	18699.357	16972.057	1727.300	4.800	9.237	470.038	244.265	221.702	22.563
2003	36205	18663.550	16676.285	1987.264	5.489	10.648	468.019	241.262	215.573	25.689
2004	34611	17679.164	15519.994	2159.169	6.238	12.213	442.596	226.076	198.465	27.611
2005	36826	18692.832	16128.944	2563.888	6.962	13.716	465.456	236.265	203.859	32.406
2006	34350	17308.564	14625.805	2682.758	7.810	15.500	430.192	216.769	183.171	33.598
2007	35326	17683.181	14614.906	3068.275	8.686	17.351	437.879	219.189	181.157	38.032
2008	38248	19006.374	15380.164	3626.210	9.481	19.079	468.788	232.952	188.508	44.445
2009	36902	18205.573	14361.857	3843.716	10.416	21.113	446.956	220.505	173.950	46.555
2010	37234	18237.758	14056.751	4181.008	11.229	22.925	445.505	218.215	168.189	50.026
2011	38093	18487.916	13833.758	4654.158	12.218	25.174	451.279	219.022	163.885	55.137
2012	38504	18491.158	13440.925	5050.234	13.116	27.312	451.211	216.689	157.508	59.181
2013	40290	19143.452	13520.657	5622.796	13.956	29.372	466.755	221.775	156.635	65.139
2014	40339	18992.005	12995.819	5996.186	14.864	31.572	461.866	217.451	148.797	68.654
2015	42303	19728.885	13148.427	6580.458	15.556	33.354	544.880	254.116	169.357	84.759
2016	43104	19876.724	12836.825	7039.899	16.332	35.418	550.009	253.628	163.798	89.829
2017	44107	20119.790	12569.417	7550.373	17.118	37.527	557.659	254.381	158.919	95.462
2018	45469	20535.123	12407.020	8128.103	17.876	39.581	569.564	257.229	155.414	101.815
2019	46963	21009.029	12266.496	8742.533	18.616	41.613	582.552	260.605	152.159	108.446
2020	48419	21428.512	12102.016	9326.496	19.262	43.524	685.853	303.533	171.424	132.109
2021	48463	21266.697	11511.800	9754.897	20.129	45.869	681.652	299.127	161.919	137.208
2022	49915	21663.568	11255.079	10408.49	20.852	48.046	696.712	302.378	157.097	145.281
2023	51391	22084.131	10999.101	11085.03	21.570	50.195	711.491	305.748	152.279	153.469
2024	52811	22418.456	10726.355	11692.10	22.139	52.154	725.093	307.804	147.272	160.532
2025	53848	22614.834	10408.363	12206.47	22.668	53.976	860.553	361.411	166.338	195.074
2026	54342	22571.522	9924.752	12646.77	23.273	56.030	864.886	359.241	157.959	201.282
2027	55267	22774.416	9545.430	13228.99	23.937	58.087	875.619	360.827	151.233	209.594
2028	56149	22915.561	9126.477	13789.08	24.558	60.173	885.102	361.228	143.865	217.364
2029	57014	22992.027	8702.937	14289.09	25.063	62.148	893.616	360.371	136.408	223.963
2030	57238	22895.360	8286.703	14608.66	25.522	63.806	1071.90	428.760	155.184	273.575
2031	57592	22715.871	7832.902	14882.97	25.842	65.518	1075.71	424.293	146.305	277.988
2032	58251	22759.207	7427.775	15331.43	26.320	67.364	1084.31	423.652	138.264	285.387
2033	58885	22786.258	7044.794	15741.46	26.733	69.083	1091.54	422.387	130.589	291.799
2034	59460	22806.106	6657.853	16148.25	27.158	70.807	1096.89	420.721	122.822	297.899
2035	58516	22262.998	6227.118	16035.88	27.404	72.029	1335.15	507.973	142.084	365.889
2036	56446	21140.051	5467.701	15672.35	27.765	74.136	1287.60	482.234	124.726	357.508
2037	56568	21011.845	5070.611	15941.23	28.181	75.868	1288.98	478.783	115.541	363.242
2038	56668	20787.483	4665.581	16121.90	28.450	77.556	1288.55	472.681	106.089	366.591
2039	56758	20709.267	4326.725	16382.54	28.864	79.107	1286.40	469.372	98.065	371.308

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig			%Drop	NULL	Ecig			
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13318846	4509390.583	2859275.372	1650115	12.389	36.593	3818.29	1305.37	819.705	485.665

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig			%Drop	NULL	Ecig			
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123381.660	617.782	0.197	0.498	4883.81	1933.45	1923.82	9.633
1992	308581	122014.015	120356.255	1657.760	0.537	1.359	4729.75	1870.18	1844.75	25.427
1993	311729	122810.618	119751.185	3059.433	0.981	2.491	4692.70	1848.83	1802.70	46.122
1994	305738	119925.592	115285.686	4639.906	1.518	3.869	4516.37	1771.69	1703.01	68.687
1995	303294	117896.496	111457.938	6438.558	2.123	5.461	4394.13	1708.35	1614.80	93.543
1996	299670	115698.645	107345.038	8353.608	2.788	7.220	4273.68	1650.42	1530.88	119.544
1997	294390	113359.847	103155.231	10204.62	3.466	9.002	4129.43	1590.70	1446.97	143.733
1998	289485	111444.212	99419.142	12025.07	4.154	10.790	3993.24	1538.10	1371.42	166.680
1999	311331	114877.722	99059.179	15818.54	5.081	13.770	4226.13	1560.48	1344.67	215.813
2000	304213	112379.704	94617.004	17762.70	5.839	15.806	4068.17	1504.22	1265.29	238.924
2001	296824	110024.943	90248.301	19776.64	6.663	17.975	3916.68	1453.52	1190.85	262.666
2002	292547	108289.173	86304.189	21984.98	7.515	20.302	3815.92	1414.56	1125.73	288.824
2003	286637	106539.023	82651.045	23887.98	8.334	22.422	3698.80	1377.22	1066.54	310.682
2004	275060	103037.251	77913.033	25124.22	9.134	24.384	3510.02	1317.61	994.240	323.373
2005	273407	103044.562	75978.729	27065.83	9.899	26.266	3447.21	1302.41	957.965	344.449
2006	265270	99672.555	71048.435	28624.12	10.791	28.718	3312.79	1248.28	887.279	361.000
2007	259710	97839.152	67931.764	29907.39	11.516	30.568	3208.81	1212.75	839.321	373.431
2008	260931	98075.852	66442.661	31633.19	12.123	32.254	3186.46	1202.07	811.390	390.680
2009	255526	95617.338	62912.483	32704.86	12.799	34.204	3082.30	1158.11	758.886	399.228
2010	253668	94607.988	60602.929	34005.06	13.405	35.943	3021.41	1131.98	721.833	410.151
2011	253761	93633.119	58050.047	35583.07	14.022	38.003	2991.29	1109.25	684.284	424.965
2012	254834	92775.175	55636.849	37138.33	14.574	40.030	2970.03	1087.19	648.436	438.754
2013	258613	92345.780	53581.271	38764.51	14.989	41.978	2978.27	1069.82	617.059	452.757
2014	260070	91379.215	51316.883	40062.33	15.404	43.842	2958.60	1046.26	583.790	462.466
2015	262731	90750.242	49495.663	41254.58	15.702	45.459	3357.71	1168.90	632.555	536.346
2016	264665	88811.996	46407.521	42404.47	16.022	47.746	3348.84	1133.24	587.201	546.044
2017	267186	87325.126	43910.341	43414.78	16.249	49.716	3347.82	1104.08	550.192	553.887
2018	262396	87612.144	43253.789	44358.35	16.905	50.630	3255.40	1097.46	536.625	560.831
2019	265428	87797.760	41987.282	45810.48	17.259	52.177	3258.99	1089.08	515.531	573.551
2020	266601	87221.042	40636.461	46584.58	17.474	53.410	3730.33	1235.48	568.593	666.886
2021	259535	82001.292	36123.083	45878.21	17.677	55.948	3603.40	1153.39	501.536	651.854
2022	261863	81915.977	34721.201	47194.78	18.023	57.614	3605.40	1143.37	478.052	665.323
2023	264168	81810.810	33339.773	48471.04	18.349	59.248	3605.11	1132.64	454.990	677.655
2024	266136	81528.303	31982.568	49545.73	18.617	60.771	3599.33	1119.38	432.544	686.834
2025	263036	79599.213	30443.982	49155.23	18.688	61.753	4129.35	1272.09	477.934	794.154
2026	257402	75082.462	27047.327	48035.13	18.662	63.977	4021.04	1194.99	422.524	772.464
2027	257145	74444.425	25657.100	48787.32	18.973	65.535	3995.66	1179.46	398.674	780.787
2028	256725	73699.585	24215.465	49484.12	19.275	67.143	3965.85	1161.76	374.077	787.683
2029	256251	72819.703	22834.983	49984.72	19.506	68.642	3932.91	1141.36	350.468	790.888
2030	247467	69309.277	21301.390	48007.89	19.400	69.266	4522.73	1297.95	389.306	908.644
2031	242484	65433.368	18873.594	46559.77	19.201	71.156	4416.11	1222.18	343.726	878.456
2032	241307	64643.552	17734.033	46909.52	19.440	72.566	4375.86	1203.31	321.590	881.719
2033	240094	63793.514	16664.316	47129.20	19.629	73.878	4331.99	1182.54	300.672	881.864
2034	238738	63032.151	15656.022	47376.13	19.844	75.162	4283.15	1162.80	280.882	881.918
2035	223596	57653.301	14248.445	43404.86	19.412	75.286	4943.35	1315.47	315.010	1000.46
2036	215842	52988.733	11916.087	41072.65	19.029	77.512	4766.19	1208.75	263.130	945.616
2037	213292	52026.921	11033.853	40993.07	19.219	78.792	4700.56	1185.50	243.166	942.337
2038	210771	50943.211	10146.098	40797.11	19.356	80.084	4631.29	1158.38	222.941	935.442
2039	208320	50085.991	9424.992	40661.00	19.519	81.182	4558.69	1135.19	206.248	928.943

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	All	NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	3101656	2244988.113	1674430.095	570558.0	18.395	25.415	889.192	649.875	480.031	169.845

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	All	NULL	Ecig	%Drop			NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	0.000
1991	78462	62918.402	62844.018	74.385	0.095	0.118	1223.41	981.049	979.890
1992	77988	62366.766	62166.243	200.523	0.257	0.322	1195.36	955.930	952.847
1993	78546	62652.888	62269.479	383.409	0.488	0.612	1182.42	943.195	937.389
1994	77447	61565.227	60971.378	593.849	0.767	0.965	1144.05	909.520	900.673
1995	76922	60851.961	60003.554	848.407	1.103	1.394	1114.45	881.759	869.332
1996	76261	60122.922	58966.958	1155.964	1.516	1.923	1087.58	857.643	840.944
1997	75516	59237.155	57759.130	1478.025	1.957	2.495	1059.27	831.234	810.193
1998	75442	58906.696	57037.452	1869.244	2.478	3.173	1040.67	813.001	786.792
1999	73239	56930.073	54682.856	2247.217	3.068	3.947	994.170	773.329	742.287
2000	73891	57137.121	54400.883	2736.238	3.703	4.789	988.123	764.787	727.491
2001	73429	56481.726	53214.548	3267.178	4.449	5.784	968.919	746.169	702.182
2002	72608	55588.365	51781.727	3806.638	5.243	6.848	947.083	726.138	675.429
2003	72142	54945.856	50528.922	4416.934	6.123	8.039	930.930	710.281	652.032
2004	71537	54203.126	49138.457	5064.669	7.080	9.344	912.882	693.135	627.050
2005	71240	53744.603	48019.046	5725.557	8.037	10.653	898.214	679.296	605.440
2006	69971	52535.572	46118.424	6417.147	9.171	12.215	873.823	657.945	575.944
2007	68918	51492.124	44396.444	7095.680	10.296	13.780	851.503	638.264	548.534
2008	68623	51030.736	43112.305	7918.430	11.539	15.517	838.021	625.460	526.483
2009	67951	50276.199	41561.122	8715.077	12.826	17.334	819.665	608.943	501.334
2010	67687	49840.933	40315.186	9525.747	14.073	19.112	806.212	596.347	480.189
2011	67045	49072.841	38679.562	10393.28	15.502	21.179	790.310	581.354	455.948
2012	66744	48539.512	37217.202	11322.31	16.964	23.326	777.888	568.812	433.758
2013	65971	47675.741	35527.164	12148.58	18.415	25.482	759.740	552.318	409.142
2014	65728	47194.534	34197.250	12997.28	19.774	27.540	747.731	540.359	389.034
2015	64890	46305.842	32575.752	13730.09	21.159	29.651	829.297	596.439	416.318
2016	62393	44208.867	30104.467	14104.40	22.606	31.904	789.472	564.107	380.916
2017	60711	42702.624	28150.448	14552.18	23.969	34.078	760.706	539.903	352.722
2018	63378	44321.202	28084.964	16236.24	25.618	36.633	786.301	555.181	348.434
2019	64030	44493.088	27163.524	17329.56	27.065	38.949	786.173	551.912	333.521
2020	64529	44529.551	26202.566	18326.99	28.401	41.157	902.895	630.757	366.631
2021	58134	39852.556	22469.370	17383.19	29.902	43.619	807.133	560.546	311.966
2022	58529	39853.685	21477.672	18376.01	31.396	46.109	805.845	556.274	295.711
2023	58897	39847.050	20490.043	19357.01	32.866	48.578	803.770	551.670	279.629
2024	59172	39726.010	19509.076	20216.93	34.167	50.891	800.259	545.435	263.848
2025	58819	39207.348	18456.931	20750.42	35.278	52.925	923.389	626.579	289.752
2026	52652	34803.960	15597.604	19206.36	36.478	55.184	822.517	553.929	243.660
2027	52451	34484.595	14659.868	19824.73	37.797	57.489	815.015	546.357	227.793
2028	52204	34100.638	13705.586	20395.05	39.068	59.808	806.436	537.544	211.722
2029	51928	33669.838	12805.975	20863.86	40.179	61.966	796.979	527.732	196.544
2030	50541	32557.688	11861.611	20696.08	40.949	63.567	923.686	609.705	216.784
2031	44907	28646.393	9892.547	18753.85	41.761	65.467	817.846	535.065	180.163
2032	44526	28227.160	9204.357	19022.80	42.723	67.392	807.433	525.435	166.912
2033	44129	27786.623	8565.246	19221.38	43.558	69.175	796.209	515.079	154.542
2034	43697	27348.299	7972.179	19376.12	44.342	70.849	783.968	504.514	143.027
2035	41192	25570.077	7206.591	18363.49	44.581	71.816	910.679	583.430	159.326
2036	35286	21717.319	5644.830	16072.49	45.550	74.008	779.175	495.402	124.649
2037	34727	21256.024	5192.094	16063.93	46.257	75.574	765.330	484.347	114.424
2038	34174	20747.175	4747.431	15999.74	46.819	77.118	750.898	471.764	104.316
2039	33631	20327.688	4394.318	15933.37	47.377	78.383	735.954	460.724	96.161

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6435050	1098877.421	466848.780	632028.6	9.822	57.516	1844.82	318.101	133.838	184.264

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36862.128	447.710	0.266	1.200	2620.21	581.750	574.769	6.981
1992	164550	36137.488	34933.066	1204.422	0.732	3.333	2522.13	553.899	535.433	18.466
1993	164371	35599.588	33402.543	2197.044	1.337	6.172	2474.39	535.926	502.834	33.093
1994	159886	34336.757	31022.982	3313.775	2.073	9.651	2361.84	507.267	458.273	48.993
1995	158119	33455.759	28887.730	4568.029	2.889	13.654	2290.83	484.782	418.526	66.256
1996	154932	32193.824	26334.736	5859.088	3.782	18.199	2209.53	459.239	375.567	83.672
1997	150053	30665.509	23611.434	7054.075	4.701	23.003	2104.81	430.308	331.200	99.108
1998	145520	29188.430	21040.089	8148.341	5.599	27.916	2007.35	402.844	290.233	112.611
1999	166126	33375.386	22223.376	11152.01	6.713	33.414	2255.06	453.366	301.669	151.697
2000	160483	32024.754	19744.675	12280.08	7.652	38.346	2146.11	428.655	264.041	164.614
2001	154718	30682.393	17264.990	13417.40	8.672	43.730	2041.55	405.339	227.817	177.523
2002	152221	30218.370	15482.590	14735.78	9.680	48.764	1985.54	394.736	201.951	192.784
2003	147125	29175.202	13553.430	15621.77	10.618	53.545	1898.52	377.146	174.895	202.250
2004	138821	27488.687	11550.470	15938.22	11.481	57.981	1771.48	351.518	147.394	204.124
2005	136387	27017.439	10291.581	16725.86	12.264	61.908	1719.61	341.482	129.760	211.723
2006	132489	26231.435	8896.643	17334.79	13.084	66.084	1654.57	328.517	111.105	217.413
2007	127124	25103.049	7637.707	17465.34	13.739	69.575	1570.66	311.161	94.367	216.795
2008	126560	24621.740	6807.245	17814.50	14.076	72.353	1545.54	301.777	83.129	218.648
2009	123195	23741.177	5942.607	17798.57	14.447	74.969	1486.05	287.552	71.683	215.869
2010	121377	23189.160	5269.703	17919.46	14.763	77.275	1445.70	277.458	62.767	214.691
2011	121147	22786.927	4651.993	18134.93	14.969	79.585	1428.06	269.951	54.837	215.114
2012	121954	22485.295	4161.804	18323.49	15.025	81.491	1421.35	263.495	48.505	214.990
2013	123791	22251.884	3759.858	18492.03	14.938	83.103	1425.62	257.786	43.300	214.486
2014	124484	21894.593	3393.690	18500.90	14.862	84.500	1416.15	250.685	38.607	212.077
2015	125150	21471.109	3078.518	18392.59	14.696	85.662	1599.42	276.557	39.343	237.213
2016	127737	21411.568	2797.452	18614.12	14.572	86.935	1616.27	273.213	35.397	237.816
2017	129934	21169.399	2548.382	18621.02	14.331	87.962	1628.06	267.651	31.931	235.720
2018	123110	19830.576	2193.013	17637.56	14.327	88.941	1527.35	248.404	27.207	221.196
2019	123639	19431.014	2010.356	17420.66	14.090	89.654	1518.08	241.031	24.684	216.347
2020	122748	18532.612	1809.608	16723.00	13.624	90.236	1717.51	262.513	25.320	237.193
2021	121429	18234.128	1645.731	16588.40	13.661	90.974	1685.93	256.472	22.849	233.623
2022	121583	17812.559	1508.633	16303.93	13.410	91.531	1673.99	248.626	20.771	227.855
2023	121717	17361.668	1384.972	15976.70	13.126	92.023	1661.08	240.367	18.901	221.466
2024	121704	16929.676	1291.809	15637.87	12.849	92.370	1645.97	232.443	17.471	214.972
2025	118196	15501.666	1141.459	14360.21	12.149	92.637	1855.53	247.735	17.920	229.815
2026	117670	15523.814	1100.907	14422.91	12.257	92.908	1838.21	247.072	17.198	229.874
2027	116688	15073.070	1037.228	14035.84	12.028	93.119	1813.17	238.810	16.117	222.693
2028	115655	14636.710	978.217	13658.49	11.810	93.317	1786.63	230.725	15.111	215.614
2029	114619	14180.166	930.266	13249.90	11.560	93.440	1759.16	222.256	14.278	207.979
2030	107799	12111.772	777.044	11334.73	10.515	93.584	1970.15	226.816	14.201	212.615
2031	108335	12417.367	784.825	11632.54	10.738	93.680	1972.99	231.935	14.293	217.642
2032	107005	12054.064	747.991	11306.07	10.566	93.795	1940.43	224.381	13.564	210.817
2033	105688	11672.389	709.639	10962.75	10.373	93.920	1906.92	216.370	12.804	203.566
2034	104346	11365.762	689.338	10676.42	10.232	93.935	1872.06	209.673	12.367	197.305
2035	94015	8580.360	501.840	8078.520	8.593	94.151	2078.52	195.777	11.095	184.682
2036	95408	8948.841	517.615	8431.226	8.837	94.216	2106.80	204.135	11.430	192.705
2037	93653	8624.570	497.177	8127.392	8.678	94.235	2063.95	196.522	10.957	185.565
2038	91949	8315.017	472.779	7842.237	8.529	94.314	2020.40	189.073	10.388	178.684
2039	90311	8001.132	455.184	7545.947	8.356	94.311	1976.28	181.344	9.961	171.384

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1510104	149918.462	63208.721	86709.74	5.742	57.838	432.921	43.398	18.121	25.277

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4496.065	59.501	0.182	1.306	508.609	71.032	70.104	0.928
1992	32100	4453.572	4297.131	156.441	0.487	3.513	492.016	68.262	65.864	2.399
1993	32898	4462.473	4174.754	287.719	0.875	6.448	495.233	67.179	62.846	4.334
1994	33327	4499.513	4054.819	444.694	1.334	9.883	492.308	66.473	59.898	6.575
1995	33576	4472.774	3853.214	619.560	1.845	13.852	486.455	64.812	55.825	8.986
1996	33882	4406.878	3603.986	802.892	2.370	18.219	483.202	62.863	51.397	11.466
1997	33534	4288.158	3309.447	978.711	2.919	22.824	470.385	60.173	46.422	13.751
1998	32820	4120.148	2983.335	1136.813	3.464	27.592	452.727	56.864	41.153	15.711
1999	33409	3982.443	2691.352	1291.091	3.864	32.420	453.509	54.097	36.533	17.563
2000	33505	4021.411	2532.161	1489.250	4.445	37.033	448.049	53.827	33.862	19.965
2001	32331	3848.092	2238.296	1609.796	4.979	41.834	426.618	50.836	29.535	21.301
2002	31654	3783.081	2029.562	1753.519	5.540	46.352	412.893	49.418	26.473	22.944
2003	31066	3754.415	1846.440	1907.975	6.142	50.820	400.882	48.533	23.827	24.706
2004	29978	3666.274	1652.985	2013.289	6.716	54.914	382.541	46.883	21.094	25.790
2005	28813	3589.688	1476.734	2112.954	7.333	58.862	363.290	45.371	18.619	26.752
2006	28308	3596.985	1341.984	2255.001	7.966	62.691	353.518	45.048	16.759	28.289
2007	28162	3560.798	1207.567	2353.231	8.356	66.087	347.955	44.137	14.920	29.217
2008	27278	3417.001	1053.102	2363.899	8.666	69.181	333.110	41.881	12.860	29.020
2009	27236	3394.390	952.179	2442.211	8.967	71.948	328.536	41.113	11.486	29.627
2010	27097	3340.137	857.468	2482.669	9.162	74.328	322.754	39.965	10.213	29.752
2011	27167	3285.435	771.389	2514.046	9.254	76.521	320.234	38.922	9.093	29.829
2012	27286	3259.209	695.262	2563.947	9.396	78.668	318.015	38.193	8.103	30.090
2013	28164	3274.703	638.749	2635.954	9.359	80.494	324.348	37.937	7.356	30.581
2014	29085	3298.083	588.232	2709.851	9.317	82.164	330.876	37.762	6.692	31.070
2015	29890	3244.406	536.341	2708.065	9.060	83.469	381.999	41.789	6.854	34.935
2016	30881	3314.836	502.822	2812.014	9.106	84.831	390.745	42.297	6.362	35.935
2017	31826	3333.314	466.342	2866.971	9.008	86.010	398.774	42.144	5.843	36.301
2018	29765	2925.242	382.030	2543.212	8.544	86.940	369.272	36.642	4.740	31.903
2019	30049	2864.628	348.478	2516.150	8.374	87.835	368.945	35.534	4.279	31.255
2020	30079	2730.366	312.310	2418.057	8.039	88.562	420.867	38.675	4.370	34.306
2021	30627	2647.911	282.701	2365.210	7.723	89.324	425.223	37.244	3.925	33.319
2022	30870	2586.165	257.917	2328.248	7.542	90.027	425.025	36.097	3.551	32.546
2023	31110	2517.960	235.620	2282.340	7.336	90.642	424.554	34.860	3.216	31.645
2024	31303	2454.161	217.621	2236.539	7.145	91.133	423.359	33.695	2.943	30.752
2025	30933	2275.364	192.859	2082.505	6.732	91.524	485.607	36.363	3.028	33.335
2026	31414	2183.166	176.893	2006.273	6.387	91.897	490.736	34.747	2.763	31.983
2027	31324	2112.345	164.212	1948.132	6.219	92.226	486.722	33.467	2.552	30.915
2028	31208	2046.677	153.208	1893.469	6.067	92.514	482.094	32.263	2.367	29.896
2029	31084	1977.671	143.433	1834.239	5.901	92.747	477.080	30.997	2.201	28.796
2030	30187	1744.457	123.157	1621.300	5.371	92.940	551.707	32.668	2.251	30.417
2031	29861	1653.738	113.056	1540.681	5.159	93.164	543.835	30.889	2.059	28.830
2032	29639	1603.120	106.004	1497.117	5.051	93.388	537.477	29.841	1.922	27.919
2033	29407	1548.245	99.331	1448.914	4.927	93.584	530.591	28.700	1.792	26.907
2034	29150	1511.985	94.962	1417.023	4.861	93.719	522.968	27.893	1.704	26.189
2035	27715	1239.866	76.103	1163.763	4.199	93.862	612.740	28.290	1.683	26.607
2036	26559	1182.522	71.010	1111.511	4.185	93.995	586.464	26.975	1.568	25.407
2037	26125	1134.483	67.744	1066.739	4.083	94.029	575.744	25.851	1.493	24.358
2038	25688	1093.537	64.139	1029.398	4.007	94.135	564.446	24.866	1.409	23.456
2039	25254	1047.905	61.049	986.856	3.908	94.174	552.632	23.751	1.336	22.415

Results for PHIM for Run 3 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2272036	1015606.587	654787.776	360818.8	15.881	35.527	651.354	293.996	187.716	106.280

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19179.449	36.187	0.106	0.188	531.576	299.618	299.054	0.564
1992	33942	19056.189	18959.815	96.375	0.284	0.506	520.250	292.085	290.605	1.480
1993	35915	20095.670	19904.409	191.261	0.533	0.952	540.654	302.526	299.636	2.890
1994	35078	19524.095	19236.506	287.588	0.820	1.473	518.179	288.435	284.163	4.272
1995	34677	19116.002	18713.440	402.562	1.161	2.106	502.399	276.995	271.121	5.875
1996	34595	18975.021	18439.357	535.664	1.548	2.823	493.366	270.675	262.969	7.707
1997	35287	19169.025	18475.220	693.805	1.966	3.619	494.969	268.986	259.154	9.832
1998	35703	19228.937	18358.266	870.671	2.439	4.528	492.498	265.388	253.239	12.149
1999	38557	20589.820	19461.595	1128.225	2.926	5.480	523.387	279.689	264.179	15.510
2000	36334	19196.417	17939.285	1257.132	3.460	6.549	485.889	256.946	239.898	17.048
2001	36346	19012.731	17530.467	1482.264	4.078	7.796	479.600	251.174	231.320	19.854
2002	36064	18699.357	17010.310	1689.047	4.684	9.033	470.405	244.265	221.879	22.387
2003	36304	18663.550	16722.252	1941.297	5.347	10.402	468.472	241.262	215.786	25.476
2004	34724	17679.164	15571.122	2108.042	6.071	11.924	443.110	226.076	198.701	27.375
2005	36967	18692.832	16191.368	2501.464	6.767	13.382	466.097	236.265	204.146	32.119
2006	34503	17308.564	14691.383	2617.180	7.585	15.121	430.884	216.769	183.471	33.298
2007	35506	17683.181	14690.046	2993.135	8.430	16.926	438.693	219.189	181.501	37.689
2008	38470	19006.374	15470.008	3536.366	9.193	18.606	469.790	232.952	188.918	44.034
2009	37144	18205.573	14456.576	3748.997	10.093	20.593	448.047	220.505	174.383	46.122
2010	37507	18237.758	14160.572	4077.186	10.871	22.356	446.738	218.215	168.665	49.550
2011	38402	18487.916	13947.103	4540.813	11.824	24.561	452.679	219.022	164.406	54.616
2012	38849	18491.158	13562.581	4928.578	12.687	26.654	452.775	216.689	158.069	58.620
2013	40687	19143.452	13655.500	5487.952	13.488	28.668	468.564	221.775	157.261	64.514
2014	40773	18992.005	13137.712	5854.293	14.358	30.825	463.846	217.451	149.457	67.994
2015	42801	19728.885	13305.052	6423.832	15.009	32.561	546.998	254.116	170.039	84.078
2016	43654	19876.724	13002.780	6873.944	15.747	34.583	552.356	253.628	164.526	89.102
2017	44716	20119.790	12745.169	7374.621	16.492	36.654	560.281	254.381	159.696	94.685
2018	46143	20535.123	12593.782	7941.341	17.210	38.672	572.473	257.229	156.244	100.985
2019	47710	21009.029	12464.924	8544.105	17.908	40.669	585.798	260.605	153.048	107.557
2020	49246	21428.512	12311.978	9116.534	18.512	42.544	689.056	303.533	172.272	131.262
2021	49346	21266.697	11725.282	9541.416	19.336	44.866	685.120	299.127	162.795	136.332
2022	50881	21663.568	11476.979	10186.59	20.020	47.022	700.543	302.378	158.019	144.359
2023	52445	22084.131	11229.138	10854.99	20.698	49.153	715.715	305.748	153.245	152.503
2024	53957	22418.456	10964.062	11454.39	21.229	51.094	729.739	307.804	148.282	159.522
2025	55088	22614.834	10652.733	11962.10	21.714	52.895	864.821	361.411	167.235	194.176
2026	55665	22571.522	10171.923	12399.60	22.275	54.935	869.583	359.241	158.902	200.339
2027	56682	22774.416	9795.792	12978.62	22.897	56.988	880.749	360.827	152.212	208.614
2028	57658	22915.561	9378.454	13537.11	23.478	59.074	890.693	361.228	144.877	216.351
2029	58620	22992.027	8955.309	14036.72	23.945	61.050	899.695	360.371	137.445	222.926
2030	58940	22895.360	8539.579	14355.78	24.357	62.702	1077.19	428.760	156.070	272.690
2031	59381	22715.871	8083.166	14632.70	24.642	64.416	1081.44	424.293	147.210	277.082
2032	60137	22759.207	7675.682	15083.53	25.082	66.274	1090.52	423.652	139.191	284.461
2033	60870	22786.258	7290.100	15496.16	25.458	68.007	1098.27	422.387	131.534	290.853
2034	61544	22806.106	6899.542	15906.56	25.846	69.747	1104.15	420.721	123.783	296.938
2035	60674	22262.998	6463.911	15799.09	26.039	70.966	1341.41	507.973	142.907	365.066
2036	58589	21140.051	5682.631	15457.42	26.383	73.119	1293.76	482.234	125.483	356.750
2037	58786	21011.845	5276.837	15735.01	26.766	74.886	1295.54	478.783	116.292	362.491
2038	58960	20787.483	4861.748	15925.74	27.011	76.612	1295.54	472.681	106.828	365.853
2039	59124	20709.267	4514.442	16194.83	27.391	78.201	1293.83	469.372	98.790	370.582

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Control File Details for Run: 4

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S2B
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_2
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 4, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 4, Scenario: Ecig

Variable Parameter

Value

- 1. Country
 - 2. Sex
 - 3. Assumption Set
- Note:

US (United States)
 F (Females)
 S2B
 Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

25-29	253+	0.019859	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.019574	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.018614	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.018471	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.017984	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.017229	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.014696	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.013811	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.011998	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.009877	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.009877	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 4, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 4, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			F (Females)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	7573	8.26	0	0.00			
5	All Ages	Ecig	14822	16.17					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18357	20.03			14.21	1123	6.12
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	199	6.27	0	0.00			
5	18-19	Ecig	463	14.58					
5	18-19	Dual	0	0.00					
5	18-19	Former	80	2.52			1.01	56	70.00
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	628	7.52	0	0.00			
5	20-24	Ecig	1489	17.83					
5	20-24	Dual	0	0.00					
5	20-24	Former	439	5.26			3.23	102	23.23
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	754	8.58	0	0.00			
5	25-29	Ecig	1715	19.50					
5	25-29	Dual	0	0.00					
5	25-29	Former	1011	11.50			5.96	51	5.04
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

5	30-34	Never Any	5304	52.63					
5	30-34	CC	973	9.65	0	0.00			
5	30-34	Ecig	2206	21.89					
5	30-34	Dual	0	0.00					
5	30-34	Former	1595	15.83			8.22	49	3.07
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	1013	9.65	0	0.00			
5	35-39	Ecig	2168	20.65					
5	35-39	Dual	0	0.00					
5	35-39	Former	2040	19.43			8.81	62	3.04
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	775	8.07	0	0.00			
5	40-44	Ecig	1710	17.81					
5	40-44	Dual	0	0.00					
5	40-44	Former	2097	21.84			12.06	82	3.91
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	698	8.21	0	0.00			
5	45-49	Ecig	1443	16.98					
5	45-49	Dual	0	0.00					
5	45-49	Former	2000	23.54			10.94	135	6.75
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	524	8.02	0	0.00			
5	50-54	Ecig	1058	16.19					
5	50-54	Dual	0	0.00					
5	50-54	Former	1838	28.12			15.04	134	7.29
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	497	8.98	0	0.00			
5	55-59	Ecig	835	15.09					
5	55-59	Dual	0	0.00					
5	55-59	Former	1518	27.43			15.73	78	5.14
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	443	8.42	0	0.00			
5	60-64	Ecig	638	12.12					
5	60-64	Dual	0	0.00					
5	60-64	Former	1451	27.56			19.27	83	5.72
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	428	7.75	0	0.00			
5	65-69	Ecig	552	9.99					
5	65-69	Dual	0	0.00					
5	65-69	Former	1466	26.54			19.36	116	7.91
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	409	7.71	0	0.00			
5	70-74	Ecig	319	6.02					
5	70-74	Dual	0	0.00					
5	70-74	Former	1533	28.91			21.79	112	7.31
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	232	5.17	0	0.00			
5	75-79	Ecig	226	5.04					
5	75-79	Dual	0	0.00					
5	75-79	Former	1289	28.74			26.23	63	4.89
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	2422	2.64	0	0.00			
10	All Ages	Ecig	17873	19.45					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21190	23.06			15.14	1647	7.77
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	239	3.01	0	0.00			
10	20-24	Ecig	1897	23.92					
10	20-24	Dual	0	0.00					
10	20-24	Former	666	8.40			3.48	169	25.38
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	229	2.74	0	0.00			
10	25-29	Ecig	1847	22.12					
10	25-29	Dual	0	0.00					
10	25-29	Former	781	9.35			5.49	129	16.52
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	225	2.56	0	0.00			
10	30-34	Ecig	2132	24.25					
10	30-34	Dual	0	0.00					
10	30-34	Former	1222	13.90			9.39	87	7.12
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	291	2.89	0	0.00			
10	35-39	Ecig	2662	26.41					
10	35-39	Dual	0	0.00					
10	35-39	Former	1841	18.27			11.69	111	6.03
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	308	2.93	0	0.00			
10	40-44	Ecig	2607	24.83					
10	40-44	Dual	0	0.00					
10	40-44	Former	2306	21.96			12.40	133	5.77
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	221	2.30	0	0.00			
10	45-49	Ecig	1902	19.81					
10	45-49	Dual	0	0.00					
10	45-49	Former	2459	25.61			14.80	173	7.04
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	184	2.17	0	0.00			
10	50-54	Ecig	1480	17.42					
10	50-54	Dual	0	0.00					
10	50-54	Former	2477	29.15			13.24	192	7.75
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	145	2.22	0	0.00			
10	55-59	Ecig	1072	16.40					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2203	33.71			17.04	146	6.63
10	60-64	Never Any		2684	48.50					
10	60-64	CC		169	3.05	0	0.00			
10	60-64	Ecig		821	14.84					
10	60-64	Dual		0	0.00					
10	60-64	Former		1860	33.61			17.26	139	7.47
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		143	2.72	0	0.00			
10	65-69	Ecig		595	11.30					
10	65-69	Dual		0	0.00					
10	65-69	Former		1794	34.08			20.01	127	7.08
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		136	2.46	0	0.00			
10	70-74	Ecig		509	9.21					
10	70-74	Dual		0	0.00					
10	70-74	Former		1801	32.60			20.17	149	8.27
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		132	2.49	0	0.00			
10	75-79	Ecig		349	6.58					
10	75-79	Dual		0	0.00					
10	75-79	Former		1780	33.57			23.35	92	5.17
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		715	0.83	0	0.00			
15	All Ages	Ecig		16805	19.40					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		22083	25.50			17.30	1005	4.55
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		76	0.96	0	0.00			
15	25-29	Ecig		2021	25.49					
15	25-29	Dual		0	0.00					
15	25-29	Former		973	12.27			6.54	102	10.48
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		60	0.72	0	0.00			
15	30-34	Ecig		1912	22.90					
15	30-34	Dual		0	0.00					
15	30-34	Former		971	11.63			8.82	78	8.03
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		66	0.75	0	0.00			

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15	35-39	Ecig	2132	24.25					
15	35-39	Dual	0	0.00					
15	35-39	Former	1406	15.99			12.79	68	4.84
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	88	0.87	0	0.00			
15	40-44	Ecig	2616	25.96					
15	40-44	Dual	0	0.00					
15	40-44	Former	2090	20.74			14.95	103	4.93
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	98	0.93	0	0.00			
15	45-49	Ecig	2494	23.75					
15	45-49	Dual	0	0.00					
15	45-49	Former	2629	25.04			15.49	145	5.52
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	69	0.72	0	0.00			
15	50-54	Ecig	1754	18.27					
15	50-54	Dual	0	0.00					
15	50-54	Former	2759	28.74			17.89	112	4.06
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	58	0.68	0	0.00			
15	55-59	Ecig	1381	16.25					
15	55-59	Dual	0	0.00					
15	55-59	Former	2702	31.80			16.92	75	2.78
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	44	0.67	0	0.00			
15	60-64	Ecig	945	14.46					
15	60-64	Dual	0	0.00					
15	60-64	Former	2431	37.19			20.15	107	4.40
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	60	1.08	0	0.00			
15	65-69	Ecig	684	12.36					
15	65-69	Dual	0	0.00					
15	65-69	Former	2106	38.06			19.93	76	3.61
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	42	0.80	0	0.00			
15	70-74	Ecig	466	8.85					
15	70-74	Dual	0	0.00					
15	70-74	Former	2024	38.45			22.43	78	3.85
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	54	0.98	0	0.00			
15	75-79	Ecig	400	7.24					
15	75-79	Dual	0	0.00					
15	75-79	Former	1992	36.06			22.98	61	3.06
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	210	0.26	0	0.00			
20	All Ages	Ecig	14349	17.70					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22763	28.07			19.41	1122	4.93
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	26	0.33	0	0.00			
20	30-34	Ecig	1904	24.01					
20	30-34	Dual	0	0.00					
20	30-34	Former	1257	15.85			9.32	136	10.82
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	15	0.18	0	0.00			
20	35-39	Ecig	1762	21.10					
20	35-39	Dual	0	0.00					
20	35-39	Former	1214	14.54			11.43	96	7.91
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	15	0.17	0	0.00			
20	40-44	Ecig	1931	21.96					
20	40-44	Dual	0	0.00					
20	40-44	Former	1658	18.86			15.35	115	6.94
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	30	0.30	0	0.00			
20	45-49	Ecig	2364	23.46					
20	45-49	Dual	0	0.00					
20	45-49	Former	2400	23.81			17.60	134	5.58
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	28	0.27	0	0.00			
20	50-54	Ecig	2204	20.99					
20	50-54	Dual	0	0.00					
20	50-54	Former	2989	28.47			18.24	167	5.59
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	21	0.22	0	0.00			
20	55-59	Ecig	1505	15.68					
20	55-59	Dual	0	0.00					
20	55-59	Former	3056	31.83			20.86	110	3.60
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	24	0.28	0	0.00			
20	60-64	Ecig	1117	13.15					
20	60-64	Dual	0	0.00					
20	60-64	Former	3000	35.31			19.90	147	4.90
Year of Follow-up: 2010, Age Group: 65-69									

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	15	0.23	0	0.00			
20	65-69	Ecig	692	10.59					
20	65-69	Dual	0	0.00					
20	65-69	Former	2713	41.51			22.76	87	3.21
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	23	0.42	0	0.00			
20	70-74	Ecig	534	9.65					
20	70-74	Dual	0	0.00					
20	70-74	Former	2293	41.43			23.07	71	3.10
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	13	0.25	0	0.00			
20	75-79	Ecig	336	6.38					
20	75-79	Dual	0	0.00					
20	75-79	Former	2183	41.47			25.59	59	2.70
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	67	0.09	0	0.00			
25	All Ages	Ecig	11703	15.44					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	23037	30.39			21.45	905	3.93
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	7	0.09	0	0.00			
25	35-39	Ecig	1569	19.79					
25	35-39	Dual	0	0.00					
25	35-39	Former	1628	20.53			11.54	127	7.80
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	5	0.06	0	0.00			
25	40-44	Ecig	1521	18.22					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1465	17.54			13.95	105	7.17
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5189	59.01					
25	45-49	CC	6	0.07	0	0.00			
25	45-49	Ecig	1688	19.20					
25	45-49	Dual	0	0.00					
25	45-49	Former	1910	21.72			17.94	93	4.87
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5284	52.43					
25	50-54	CC	9	0.09	0	0.00			
25	50-54	Ecig	2054	20.38					
25	50-54	Dual	0	0.00					
25	50-54	Former	2731	27.10			20.09	147	5.38
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5278	50.27					
25	55-59	CC	7	0.07	0	0.00			
25	55-59	Ecig	1823	17.36					
25	55-59	Dual	0	0.00					
25	55-59	Former	3391	32.30			20.74	142	4.19
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	7	0.07	0	0.00			
25	60-64	Ecig	1188	12.38					
25	60-64	Dual	0	0.00					
25	60-64	Former	3387	35.28			23.52	147	4.34
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	11	0.13	0	0.00			
25	65-69	Ecig	874	10.29					
25	65-69	Dual	0	0.00					
25	65-69	Former	3256	38.32			23.15	65	2.00
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	7	0.11	0	0.00			
25	70-74	Ecig	555	8.49					
25	70-74	Dual	0	0.00					
25	70-74	Former	2858	43.73			26.48	43	1.50
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	8	0.14	0	0.00			
25	75-79	Ecig	431	7.79					
25	75-79	Dual	0	0.00					
25	75-79	Former	2411	43.57			26.82	36	1.49
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38326	54.53					
30	All Ages	CC	28	0.04	0	0.00			
30	All Ages	Ecig	9344	13.29					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	22585	32.13			23.76	767	3.40
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	1	0.01	0	0.00			
30	40-44	Ecig	1344	16.95					
30	40-44	Dual	0	0.00					
30	40-44	Former	1859	23.44			14.74	81	4.36
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	2	0.02	0	0.00			
30	45-49	Ecig	1309	15.68					
30	45-49	Dual	0	0.00					
30	45-49	Former	1680	20.12			16.81	75	4.46
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	4	0.05	0	0.00			
30	50-54	Ecig	1427	16.23					
30	50-54	Dual	0	0.00					
30	50-54	Former	2173	24.71			20.38	130	5.98
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	3	0.03	0	0.00			
30	55-59	Ecig	1681	16.68					
30	55-59	Dual	0	0.00					
30	55-59	Former	3110	30.86			22.29	143	4.60
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	4	0.04	0	0.00			
30	60-64	Ecig	1469	13.99					
30	60-64	Dual	0	0.00					
30	60-64	Former	3748	35.70			23.47	147	3.92
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	3	0.03	0	0.00			
30	65-69	Ecig	932	9.71					
30	65-69	Dual	0	0.00					
30	65-69	Former	3647	37.99			26.66	74	2.03
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	4356	51.27					
30	70-74	CC	6	0.07	0	0.00			
30	70-74	Ecig	740	8.71					
30	70-74	Dual	0	0.00					
30	70-74	Former	3395	39.96			27.06	70	2.06
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	5	0.08	0	0.00			
30	75-79	Ecig	442	6.76					
30	75-79	Dual	0	0.00					
30	75-79	Former	2973	45.49			30.34	47	1.58
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	5	0.01	0	0.00			
35	All Ages	Ecig	7346	11.52					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	21186	33.23			25.85	606	2.86
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	0	0.00	0	0.00			
35	45-49	Ecig	1146	14.45					
35	45-49	Dual	0	0.00					
35	45-49	Former	2058	25.95			18.05	72	3.50
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	0	0.00	0	0.00			
35	50-54	Ecig	1108	13.27					
35	50-54	Dual	0	0.00					
35	50-54	Former	1883	22.55			19.64	99	5.26
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1177	13.39					
35	55-59	Dual	0	0.00					
35	55-59	Former	2427	27.60			22.93	97	4.00
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	2	0.02	0	0.00			
35	60-64	Ecig	1346	13.36					
35	60-64	Dual	0	0.00					
35	60-64	Former	3446	34.19			24.82	140	4.06
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	1	0.01	0	0.00			
35	65-69	Ecig	1174	11.18					
35	65-69	Dual	0	0.00					
35	65-69	Former	4046	38.54			26.56	76	1.88
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	0	0.00	0	0.00			
35	70-74	Ecig	806	8.40					
35	70-74	Dual	0	0.00					
35	70-74	Former	3776	39.33			30.63	64	1.69
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	2	0.02	0	0.00			
35	75-79	Ecig	589	6.93					
35	75-79	Dual	0	0.00					
35	75-79	Former	3550	41.78			30.75	58	1.63
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	0	0.00	0	0.00			
40	All Ages	Ecig	5413	9.80					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	18983	34.36			27.88	549	2.89
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	30-34	Never Any		0	.				0	.
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 55-59										
40	50-54	Never Any		4726	59.60					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		943	11.89					
40	50-54	Dual		0	0.00					
40	50-54	Former		2261	28.51			21.13	107	4.73
Year of Follow-up: 2030, Age Group: 60-64										
40	55-59	Never Any		5359	64.18					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		889	10.65					
40	55-59	Dual		0	0.00					
40	55-59	Former		2102	25.17			22.30	77	3.66
Year of Follow-up: 2030, Age Group: 65-69										
40	60-64	Never Any		5189	59.01					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		910	10.35					
40	60-64	Dual		0	0.00					
40	60-64	Former		2694	30.64			25.33	126	4.68
Year of Follow-up: 2030, Age Group: 70-74										
40	65-69	Never Any		5284	52.43					
40	65-69	CC		0	0.00	0	0.00			
40	65-69	Ecig		1065	10.57					
40	65-69	Dual		0	0.00					
40	65-69	Former		3729	37.00			27.74	71	1.90
Year of Follow-up: 2030, Age Group: 75-79										
40	70-74	Never Any		5278	50.27					
40	70-74	CC		0	0.00	0	0.00			
40	70-74	Ecig		978	9.32					
40	70-74	Dual		0	0.00					
40	70-74	Former		4243	40.41			30.17	95	2.24
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		0	0.00	0	0.00			

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

40	75-79	Ecig	628	6.54					
40	75-79	Dual	0	0.00					
40	75-79	Former	3954	41.19			34.11	73	1.85
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	0	0.00	0	0.00			
45	All Ages	Ecig	3884	8.51					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	15930	34.90			29.59	350	2.20
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

45	55-59	Never Any	4726	59.60					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	767	9.67					
45	55-59	Dual	0	0.00					
45	55-59	Former	2437	30.73			24.38	69	2.83
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	715	8.56					
45	60-64	Dual	0	0.00					
45	60-64	Former	2276	27.26			25.36	69	3.03
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	718	8.17					
45	65-69	Dual	0	0.00					
45	65-69	Former	2886	32.82			28.47	57	1.98
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	0	0.00	0	0.00			
45	70-74	Ecig	924	9.17					
45	70-74	Dual	0	0.00					
45	70-74	Former	3870	38.40			31.61	74	1.91
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	0	0.00	0	0.00			
45	75-79	Ecig	760	7.24					
45	75-79	Dual	0	0.00					
45	75-79	Former	4461	42.49			33.55	81	1.82
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	0	0.00	0	0.00			
50	All Ages	Ecig	2501	7.12					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12092	34.40			31.45	237	1.96
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	599	7.55					
50	60-64	Dual	0	0.00					
50	60-64	Former	2605	32.85			27.60	76	2.92
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	582	6.97					
50	65-69	Dual	0	0.00					
50	65-69	Former	2409	28.85			28.83	36	1.49
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	603	6.86					
50	70-74	Dual	0	0.00					
50	70-74	Former	3001	34.13			32.25	56	1.87
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	0	0.00	0	0.00			
50	75-79	Ecig	717	7.11					
50	75-79	Dual	0	0.00					
50	75-79	Former	4077	40.45			34.86	69	1.69

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	1835652.061	1110598	12.228	37.695	2493.45	808.881	503.971	304.910

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58811.894	266.592	0.134	0.451	2877.87	853.678	849.826	3.852
1992	198532	60494.150	59751.269	742.881	0.374	1.228	2829.84	862.271	851.683	10.589
1993	202512	62694.848	61280.639	1414.209	0.698	2.256	2845.85	881.034	861.160	19.873
1994	200658	63202.598	60992.408	2210.190	1.101	3.497	2777.87	874.966	844.368	30.597
1995	201023	63766.862	60622.827	3144.035	1.564	4.931	2739.80	869.097	826.246	42.851
1996	201180	64591.163	60377.025	4214.137	2.095	6.524	2706.36	868.908	812.218	56.690
1997	198639	64686.912	59509.908	5177.004	2.606	8.003	2635.18	858.147	789.468	68.679
1998	197573	65295.961	59027.687	6268.275	3.173	9.600	2584.18	854.046	772.059	81.987
1999	211329	67327.521	59374.879	7952.643	3.763	11.812	2726.91	868.771	766.152	102.618
2000	208496	67596.897	58491.927	9104.970	4.367	13.470	2656.96	861.419	745.390	116.029
2001	203606	67008.811	56749.386	10259.42	5.039	15.311	2565.88	844.458	715.167	129.291
2002	200828	67067.744	55513.843	11553.90	5.753	17.227	2506.09	836.925	692.746	144.179
2003	196352	66756.217	54102.789	12653.43	6.444	18.955	2427.31	825.244	668.822	156.422
2004	188160	65058.725	51536.886	13521.84	7.186	20.784	2302.83	796.234	630.745	165.490
2005	186416	65214.724	50447.658	14767.07	7.922	22.644	2256.27	789.321	610.589	178.732
2006	180088	63771.146	48106.551	15664.59	8.698	24.564	2160.67	765.117	577.176	187.942
2007	175644	63110.718	46536.923	16573.80	9.436	26.261	2086.36	749.650	552.781	196.869
2008	177570	63718.624	45754.516	17964.11	10.117	28.193	2086.39	748.674	537.601	211.073
2009	172806	62794.698	44019.735	18774.96	10.865	29.899	2007.57	729.515	511.398	218.117
2010	170489	61917.074	42254.949	19662.12	11.533	31.756	1957.97	711.083	485.274	225.808
2011	170305	61680.114	40843.672	20836.44	12.235	33.781	1937.46	701.700	464.656	237.045
2012	171421	62023.127	39904.773	22118.35	12.903	35.661	1930.22	698.386	449.331	249.055
2013	172699	62037.765	38718.476	23319.29	13.503	37.589	1923.75	691.059	431.298	259.761
2014	174169	61921.017	37322.814	24598.20	14.123	39.725	1918.85	682.195	411.192	271.003
2015	177354	61856.204	36163.057	25693.15	14.487	41.537	2184.51	761.899	445.430	316.469
2016	176853	60464.119	33982.861	26481.26	14.974	43.797	2157.59	737.655	414.587	323.068
2017	179309	60243.839	32635.196	27608.64	15.397	45.828	2166.86	728.017	394.380	333.637
2018	177157	60713.327	32065.410	28647.92	16.171	47.186	2120.51	726.721	383.814	342.907
2019	179227	61148.172	31172.182	29975.99	16.725	49.022	2124.53	724.841	369.510	355.331
2020	180467	61149.317	30236.218	30913.10	17.130	50.553	2424.25	821.432	406.170	415.263
2021	178116	58727.786	27522.202	31205.58	17.520	53.136	2375.42	783.216	367.046	416.169
2022	179408	58848.802	26488.374	32360.43	18.037	54.989	2374.52	778.881	350.581	428.299
2023	180640	58816.149	25442.068	33374.08	18.475	56.743	2372.26	772.407	334.120	438.287
2024	181610	58955.232	24461.316	34493.92	18.993	58.509	2366.77	768.316	318.785	449.531
2025	180418	58297.744	23407.161	34890.58	19.339	59.849	2713.69	876.861	352.069	524.792
2026	180313	56469.971	21518.980	34950.99	19.383	61.893	2701.83	846.150	322.442	523.708
2027	179619	56209.427	20410.440	35798.99	19.931	63.689	2680.68	838.883	304.610	534.273
2028	178762	55733.105	19281.610	36451.50	20.391	65.404	2656.74	828.298	286.561	541.737
2029	177808	55145.838	18184.874	36960.96	20.787	67.024	2630.89	815.951	269.068	546.883
2030	173587	53615.097	17042.073	36573.02	21.069	68.214	3040.33	939.056	298.488	640.568
2031	174985	52046.561	15939.818	36106.74	20.634	69.374	3060.73	910.364	278.809	631.555
2032	173400	51582.636	15035.611	36547.03	21.077	70.851	3027.10	900.496	262.482	638.014
2033	171756	50839.758	14139.304	36700.45	21.368	72.188	2991.14	885.375	246.236	639.138
2034	169973	50215.451	13280.815	36934.64	21.730	73.552	2951.96	872.104	230.651	641.453
2035	162644	47773.075	12290.226	35482.85	21.816	74.274	3459.14	1016.05	261.391	754.655
2036	156254	43298.709	10538.383	32760.33	20.966	75.661	3328.25	922.274	224.470	697.804
2037	153593	42241.563	9690.008	32551.56	21.193	77.060	3274.10	900.450	206.559	693.892
2038	150947	41356.353	8962.708	32393.64	21.460	78.328	3217.50	881.531	191.045	690.486
2039	148373	40161.050	8182.913	31978.14	21.552	79.625	3159.42	855.178	174.245	680.933

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1088581.365	491883.9	21.131	31.123	639.078	433.910	298.866	135.045

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31358.568	53.443	0.122	0.170	631.345	453.901	453.128	0.772
1992	45423	32782.407	32627.128	155.278	0.342	0.474	647.450	467.274	465.061	2.213
1993	46291	33491.183	33192.977	298.207	0.644	0.890	650.515	470.643	466.452	4.191
1994	47017	34074.347	33593.912	480.436	1.022	1.410	650.895	471.719	465.068	6.651
1995	47840	34694.454	33982.912	711.542	1.487	2.051	652.025	472.861	463.163	9.698
1996	48244	35027.269	34060.943	966.325	2.003	2.759	648.999	471.202	458.202	12.999
1997	49035	35590.763	34332.396	1258.367	2.566	3.536	650.506	472.153	455.459	16.694
1998	49686	36100.785	34505.469	1595.315	3.211	4.419	649.874	472.184	451.318	20.866
1999	48883	35451.030	33555.604	1895.426	3.877	5.347	630.769	457.448	432.990	24.458
2000	50331	36447.986	34113.838	2334.148	4.638	6.404	641.392	464.474	434.729	29.745
2001	50389	36411.326	33656.097	2755.229	5.468	7.567	635.012	458.863	424.141	34.722
2002	51445	37078.545	33791.698	3286.847	6.389	8.865	641.972	462.696	421.680	41.016
2003	51408	36999.876	33234.793	3765.082	7.324	10.176	635.509	457.395	410.850	46.544
2004	51399	36861.555	32572.588	4288.967	8.344	11.635	629.057	451.138	398.646	52.491
2005	51421	36689.529	31853.092	4836.437	9.406	13.182	622.370	444.069	385.531	58.537
2006	51355	36504.774	31091.831	5412.943	10.540	14.828	616.150	437.979	373.035	64.944
2007	51839	36663.202	30577.111	6086.091	11.740	16.600	615.761	435.498	363.205	72.293
2008	50976	35898.803	29323.466	6575.337	12.899	18.316	598.952	421.800	344.541	77.258
2009	51193	35934.525	28659.834	7274.692	14.210	20.244	594.733	417.468	332.955	84.513
2010	50853	35502.829	27652.312	7850.517	15.438	22.112	584.018	407.730	317.571	90.159
2011	50509	35136.342	26641.420	8494.922	16.819	24.177	574.613	399.726	303.084	96.642
2012	51245	35450.201	26161.021	9289.180	18.127	26.203	577.023	399.173	294.576	104.597
2013	51069	35123.224	25134.832	9988.392	19.559	28.438	568.874	391.249	279.985	111.264
2014	51251	35079.370	24349.445	10729.92	20.936	30.588	564.641	386.476	268.262	118.213
2015	50443	34324.171	23138.809	11185.36	22.174	32.587	621.319	422.780	285.007	137.773
2016	48854	33054.753	21502.331	11552.42	23.647	34.949	596.013	403.264	262.326	140.938
2017	48325	32471.234	20357.247	12113.99	25.068	37.307	583.983	392.399	246.007	146.391
2018	50465	33657.595	20250.229	13407.37	26.568	39.835	604.052	402.871	242.389	160.482
2019	51036	33863.424	19582.646	14280.78	27.982	42.172	604.975	401.412	232.130	169.282
2020	51444	33910.830	18891.376	15019.45	29.196	44.291	691.053	455.532	253.772	201.760
2021	48037	31531.880	16748.087	14783.79	30.776	46.885	640.639	420.521	223.359	197.162
2022	48335	31560.212	16001.685	15558.53	32.189	49.298	639.727	417.708	211.787	205.922
2023	48599	31508.781	15251.847	16256.93	33.451	51.595	638.227	413.791	200.296	213.495
2024	48784	31517.293	14535.910	16981.38	34.810	53.880	635.757	410.740	189.435	221.305
2025	48477	31175.389	13788.204	17387.19	35.867	55.772	729.141	468.912	207.390	261.522
2026	45324	29044.598	12218.345	16826.25	37.124	57.932	679.138	435.206	183.080	252.126
2027	45107	28825.765	11479.249	17346.52	38.456	60.177	673.191	430.203	171.319	258.884
2028	44842	28513.846	10743.665	17770.18	39.629	62.321	666.430	423.769	159.671	264.098
2029	44539	28148.109	10036.670	18111.44	40.664	64.343	659.013	416.486	148.505	267.981
2030	43393	27314.475	9306.225	18008.25	41.500	65.929	760.018	478.407	162.996	315.410
2031	40748	25423.102	8339.797	17083.30	41.925	67.196	712.731	444.684	145.874	298.810
2032	40325	25085.902	7782.410	17303.49	42.910	68.977	703.969	437.933	135.860	302.073
2033	39882	24645.067	7249.165	17395.90	43.619	70.586	694.543	429.194	126.244	302.950
2034	39404	24239.126	6744.993	17494.13	44.396	72.173	684.347	420.967	117.142	303.825
2035	37454	22944.147	6156.773	16787.37	44.821	73.166	796.588	487.980	130.943	357.037
2036	32988	19950.581	5069.712	14880.87	45.109	74.589	702.663	424.953	107.986	316.967
2037	32403	19415.334	4631.387	14783.95	45.625	76.146	690.731	413.871	98.726	315.145
2038	31820	18939.317	4261.859	14677.46	46.127	77.497	678.257	403.701	90.844	312.857
2039	31251	18379.752	3875.254	14504.50	46.412	78.916	665.457	391.373	82.519	308.854

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	179216.761	219617.0	6.774	55.065	890.124	109.498	49.203	60.295

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12717.693	138.786	0.144	1.080	1393.01	185.775	183.769	2.005
1992	93721	12662.244	12280.396	381.848	0.407	3.016	1335.88	180.485	175.042	5.443
1993	93679	12730.613	12015.751	714.862	0.763	5.615	1316.45	178.900	168.854	10.046
1994	90832	12495.323	11396.739	1098.584	1.209	8.792	1257.46	172.983	157.774	15.209
1995	89698	12365.590	10835.313	1530.277	1.706	12.375	1222.52	168.534	147.678	20.857
1996	88286	12290.551	10251.119	2039.432	2.310	16.593	1187.66	165.338	137.902	27.435
1997	84777	11719.531	9306.056	2413.476	2.847	20.594	1124.67	155.473	123.456	32.018
1998	82517	11416.794	8580.958	2835.836	3.437	24.839	1079.29	149.327	112.236	37.092
1999	93939	13028.038	9194.904	3833.134	4.080	29.422	1212.16	168.109	118.648	49.461
2000	90039	12426.299	8228.241	4198.058	4.662	33.784	1147.41	158.354	104.856	53.498
2001	86119	11939.281	7306.981	4632.301	5.379	38.799	1085.29	150.461	92.084	58.377
2002	83014	11528.794	6487.630	5041.164	6.073	43.727	1035.91	143.865	80.958	62.908
2003	79302	11048.407	5732.082	5316.325	6.704	48.118	980.336	136.581	70.860	65.721
2004	73861	10375.132	4914.023	5461.108	7.394	52.637	903.963	126.978	60.141	66.837
2005	71649	10051.029	4343.664	5707.365	7.966	56.784	867.197	121.652	52.573	69.079
2006	67551	9542.523	3712.270	5830.254	8.631	61.098	810.467	114.490	44.539	69.951
2007	63503	8936.533	3147.337	5789.196	9.116	64.781	754.310	106.151	37.385	68.766
2008	63171	8944.180	2843.744	6100.437	9.657	68.206	742.239	105.091	33.413	71.678
2009	59747	8390.033	2433.557	5956.477	9.969	70.995	694.108	97.471	28.272	69.199
2010	58008	8157.570	2146.759	6010.810	10.362	73.684	666.189	93.685	24.654	69.031
2011	57368	8035.356	1905.142	6130.214	10.686	76.291	652.644	91.414	21.674	69.740
2012	57411	7970.766	1699.954	6270.812	10.923	78.673	646.453	89.752	19.142	70.610
2013	57067	7743.216	1500.103	6243.113	10.940	80.627	635.688	86.254	16.710	69.544
2014	57538	7774.935	1361.239	6413.696	11.147	82.492	633.906	85.658	14.997	70.661
2015	58395	7722.535	1245.376	6477.158	11.092	83.873	719.266	95.120	15.340	79.781
2016	58658	7600.353	1103.219	6497.134	11.076	85.485	715.621	92.723	13.459	79.264
2017	59004	7470.266	989.669	6480.597	10.983	86.752	713.034	90.274	11.960	78.315
2018	56077	6907.050	839.169	6067.881	10.821	87.851	671.224	82.675	10.045	72.631
2019	55886	6732.046	757.550	5974.496	10.691	88.747	662.462	79.801	8.980	70.821
2020	55313	6429.836	680.330	5749.505	10.394	89.419	743.037	86.373	9.139	77.234
2021	56292	6562.016	628.020	5933.996	10.541	90.429	750.730	87.513	8.376	79.138
2022	55827	6352.366	567.990	5784.376	10.361	91.059	738.885	84.075	7.518	76.558
2023	55338	6134.123	516.147	5617.976	10.152	91.586	726.728	80.557	6.778	73.778
2024	54770	5922.193	473.301	5448.891	9.949	92.008	713.771	77.179	6.168	71.011
2025	53295	5504.188	422.408	5081.779	9.535	92.326	801.612	82.789	6.353	76.435
2026	55278	5641.075	413.514	5227.561	9.457	92.670	828.283	84.526	6.196	78.330
2027	54199	5426.216	383.225	5042.991	9.305	92.938	808.875	80.982	5.719	75.263
2028	53090	5197.830	356.080	4841.750	9.120	93.149	789.020	77.249	5.292	71.957
2029	51974	4973.547	332.140	4641.407	8.930	93.322	769.023	73.590	4.914	68.675
2030	49479	4450.618	288.080	4162.538	8.413	93.527	866.605	77.952	5.046	72.906
2031	51987	4555.052	290.159	4264.894	8.204	93.630	909.317	79.674	5.075	74.599
2032	50677	4349.999	272.208	4077.791	8.047	93.742	884.689	75.939	4.752	71.187
2033	49380	4147.948	256.380	3891.568	7.881	93.819	859.955	72.237	4.465	67.772
2034	48076	3966.133	241.634	3724.499	7.747	93.908	834.943	68.881	4.197	64.684
2035	44518	3289.064	194.483	3094.581	6.951	94.087	946.825	69.952	4.136	65.816
2036	46347	3313.192	193.275	3119.917	6.732	94.167	987.211	70.572	4.117	66.455
2037	44841	3117.951	180.262	2937.689	6.551	94.219	955.859	66.464	3.843	62.622
2038	43378	2949.775	169.284	2780.491	6.410	94.261	924.621	62.876	3.608	59.268
2039	41973	2766.312	158.309	2608.003	6.214	94.277	893.753	58.905	3.371	55.534

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	46041.643	58858.11	4.353	56.109	371.243	28.800	12.641	16.159

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3163.888	43.175	0.133	1.346	469.694	46.342	45.718	0.624
1992	32560	3218.125	3099.393	118.732	0.365	3.689	464.104	45.871	44.178	1.692
1993	32768	3226.680	3006.776	219.904	0.671	6.815	460.480	45.344	42.253	3.090
1994	33005	3277.266	2933.533	343.733	1.041	10.488	456.915	45.370	40.611	4.759
1995	33730	3309.378	2824.409	484.969	1.438	14.654	459.716	45.104	38.495	6.610
1996	33750	3312.987	2676.839	636.148	1.885	19.202	454.019	44.568	36.010	8.558
1997	33699	3267.066	2487.447	779.619	2.313	23.863	447.056	43.341	32.999	10.343
1998	33274	3178.725	2268.684	910.041	2.735	28.629	435.211	41.577	29.674	11.903
1999	33891	3120.351	2082.277	1038.074	3.063	33.268	437.317	40.264	26.869	13.395
2000	33827	3142.808	1955.290	1187.518	3.511	37.785	431.074	40.050	24.917	15.133
2001	32506	2961.588	1711.131	1250.457	3.847	42.223	409.647	37.323	21.564	15.759
2002	32078	2940.627	1563.463	1377.164	4.293	46.832	400.295	36.695	19.510	17.185
2003	30568	2819.545	1380.794	1438.750	4.707	51.028	377.883	34.855	17.069	17.786
2004	29388	2730.466	1226.590	1503.876	5.117	55.078	359.671	33.417	15.012	18.405
2005	27954	2670.510	1097.050	1573.460	5.629	58.920	338.339	32.322	13.278	19.044
2006	27201	2623.285	984.457	1638.828	6.025	62.472	326.354	31.474	11.811	19.662
2007	26302	2536.599	869.586	1667.013	6.338	65.718	312.424	30.131	10.329	19.801
2008	25998	2469.443	773.387	1696.057	6.524	68.682	305.468	29.015	9.087	19.928
2009	25040	2386.945	682.625	1704.320	6.806	71.402	290.901	27.730	7.930	19.800
2010	24840	2329.274	610.256	1719.018	6.920	73.801	285.273	26.750	7.008	19.742
2011	24792	2286.581	546.305	1740.276	7.020	76.108	282.045	26.013	6.215	19.798
2012	24500	2243.311	488.606	1754.705	7.162	78.219	275.872	25.260	5.502	19.758
2013	24451	2176.503	431.505	1744.998	7.137	80.174	272.368	24.245	4.807	19.438
2014	25296	2211.619	402.085	1809.534	7.153	81.819	278.691	24.366	4.430	19.936
2015	26316	2237.016	375.815	1861.201	7.073	83.200	324.141	27.554	4.629	22.925
2016	26735	2229.057	343.838	1885.220	7.052	84.575	326.164	27.194	4.195	22.999
2017	27616	2221.649	316.990	1904.659	6.897	85.732	333.726	26.848	3.831	23.017
2018	25256	1939.420	258.339	1681.081	6.656	86.680	302.304	23.214	3.092	20.122
2019	25429	1904.400	235.538	1668.862	6.563	87.632	301.434	22.574	2.792	19.782
2020	25379	1806.054	211.030	1595.024	6.285	88.315	340.922	24.261	2.835	21.426
2021	25448	1748.172	190.257	1557.915	6.122	89.117	339.386	23.314	2.537	20.777
2022	25539	1701.148	173.359	1527.789	5.982	89.809	338.015	22.515	2.294	20.221
2023	25620	1652.087	158.618	1493.469	5.829	90.399	336.461	21.696	2.083	19.613
2024	25659	1597.127	145.243	1451.883	5.658	90.906	334.391	20.814	1.893	18.921
2025	25260	1467.622	127.438	1340.184	5.306	91.317	379.931	22.075	1.917	20.158
2026	25480	1390.505	115.508	1274.997	5.004	91.693	381.790	20.835	1.731	19.105
2027	25264	1342.095	106.698	1235.398	4.890	92.050	377.042	20.030	1.592	18.437
2028	25022	1289.536	98.956	1190.579	4.758	92.326	371.870	19.165	1.471	17.694
2029	24767	1242.216	91.904	1150.312	4.645	92.602	366.459	18.380	1.360	17.020
2030	23959	1096.803	78.316	1018.487	4.251	92.860	419.641	19.210	1.372	17.839
2031	23963	1019.991	70.891	949.099	3.961	93.050	419.142	17.841	1.240	16.601
2032	23615	977.406	66.060	911.346	3.859	93.241	412.259	17.063	1.153	15.910
2033	23259	937.450	61.884	875.565	3.764	93.399	405.051	16.326	1.078	15.248
2034	22879	900.763	58.032	842.731	3.683	93.557	397.339	15.644	1.008	14.636
2035	21733	745.023	46.669	698.354	3.213	93.736	462.224	15.845	0.993	14.853
2036	20904	680.360	41.596	638.764	3.056	93.886	445.263	14.492	0.886	13.606
2037	20397	644.109	38.816	605.293	2.968	93.974	434.791	13.730	0.827	12.903
2038	19890	612.448	36.407	576.041	2.896	94.055	423.966	13.055	0.776	12.279
2039	19392	577.529	34.046	543.483	2.803	94.105	412.930	12.298	0.725	11.573

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	521812.292	340239.0	15.752	39.469	593.003	236.673	143.262	93.411

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11571.745	31.188	0.117	0.269	383.818	167.661	167.211	0.451
1992	26828	11831.375	11744.352	87.023	0.324	0.736	382.401	168.642	167.402	1.240
1993	29774	13246.371	13065.135	181.236	0.609	1.368	418.406	186.148	183.601	2.547
1994	29804	13355.662	13068.224	287.438	0.964	2.152	412.601	184.893	180.914	3.979
1995	29755	13397.439	12980.192	417.247	1.402	3.114	405.540	182.598	176.911	5.687
1996	30900	13960.356	13388.123	572.233	1.852	4.099	415.680	187.801	180.103	7.698
1997	31128	14109.552	13384.009	725.543	2.331	5.142	412.949	187.180	177.554	9.625
1998	32096	14599.657	13672.575	927.083	2.888	6.350	419.803	190.958	178.832	12.126
1999	34616	15728.102	14542.093	1186.009	3.426	7.541	446.673	202.950	187.646	15.304
2000	34299	15579.803	14194.558	1385.246	4.039	8.891	437.088	198.541	180.888	17.653
2001	34592	15696.614	14075.177	1621.437	4.687	10.330	435.935	197.812	177.378	20.434
2002	34291	15519.777	13671.051	1848.726	5.391	11.912	427.910	193.668	170.598	23.070
2003	35074	15888.389	13755.119	2133.270	6.082	13.427	433.587	196.413	170.042	26.372
2004	33512	15091.573	12823.685	2267.888	6.767	15.028	410.143	184.701	156.945	27.756
2005	35392	15803.656	13153.852	2649.804	7.487	16.767	428.364	191.278	159.207	32.072
2006	33981	15100.563	12317.993	2782.570	8.189	18.427	407.699	181.174	147.790	33.385
2007	34000	14974.384	11942.889	3031.495	8.916	20.245	403.863	177.871	141.862	36.009
2008	37425	16406.197	12813.919	3592.279	9.599	21.896	439.732	192.768	150.559	42.208
2009	36826	16083.194	12243.720	3839.474	10.426	23.873	427.825	186.846	142.241	44.605
2010	36788	15927.400	11845.622	4081.779	11.095	25.627	422.489	182.917	136.040	46.877
2011	37636	16221.836	11750.806	4471.030	11.880	27.562	428.164	184.547	133.682	50.864
2012	38265	16358.849	11555.191	4803.659	12.554	29.364	430.867	184.202	130.113	54.090
2013	40112	16994.822	11652.037	5342.785	13.320	31.438	446.821	189.311	129.796	59.515
2014	40084	16855.093	11210.045	5645.048	14.083	33.492	441.613	185.696	123.503	62.193
2015	42200	17572.483	11403.057	6169.426	14.619	35.108	519.788	216.445	140.454	75.990
2016	42606	17579.955	11033.473	6546.482	15.365	37.238	519.788	214.473	134.607	79.866
2017	44364	18080.688	10971.290	7109.398	16.025	39.320	536.117	218.496	132.583	85.914
2018	45359	18209.262	10717.673	7491.589	16.516	41.142	542.932	217.960	128.287	89.672
2019	46876	18648.302	10596.449	8051.853	17.177	43.177	555.657	221.054	125.609	95.445
2020	48331	19002.597	10453.481	8549.116	17.689	44.989	649.239	255.266	140.424	114.842
2021	48338	18885.717	9955.839	8929.879	18.474	47.284	644.660	251.867	132.775	119.092
2022	49708	19235.076	9745.340	9489.736	19.091	49.336	657.895	254.582	128.982	125.599
2023	51083	19521.158	9515.456	10005.70	19.587	51.256	670.849	256.363	124.962	131.401
2024	52397	19918.620	9306.861	10611.76	20.252	53.276	682.854	259.583	121.289	138.295
2025	53387	20150.545	9069.110	11081.43	20.757	54.993	803.004	303.086	136.409	166.677
2026	54232	20393.792	8771.613	11622.18	21.430	56.989	812.615	305.582	131.434	174.148
2027	55049	20615.351	8441.269	12174.08	22.115	59.053	821.568	307.668	125.980	181.689
2028	55809	20731.894	8082.909	12648.99	22.665	61.012	829.419	308.115	120.127	187.988
2029	56527	20781.967	7724.159	13057.81	23.100	62.832	836.392	307.495	114.288	193.206
2030	56756	20753.201	7369.452	13383.75	23.581	64.490	994.067	363.487	129.074	234.413
2031	58288	21048.417	7238.971	13809.45	23.692	65.608	1019.54	368.165	126.619	241.546
2032	58782	21169.329	6914.933	14254.40	24.249	67.335	1026.18	369.560	120.716	248.844
2033	59236	21109.293	6571.874	14537.42	24.542	68.867	1031.59	367.618	114.449	253.169
2034	59614	21109.429	6236.155	14873.27	24.949	70.458	1035.33	366.613	108.305	258.308
2035	58938	20794.840	5892.301	14902.54	25.285	71.665	1253.51	442.268	125.318	316.950
2036	56014	19354.577	5233.800	14120.78	25.209	72.958	1193.11	412.258	111.481	300.776
2037	55953	19064.169	4839.543	14224.63	25.423	74.614	1192.72	406.385	103.163	303.222
2038	55859	18854.812	4495.157	14359.66	25.707	76.159	1190.66	401.900	95.816	306.083
2039	55757	18437.457	4115.304	14322.15	25.687	77.680	1187.28	392.602	87.630	304.972

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9162908	2946250.006	1845723.958	1100526	12.011	37.353	2501.35	808.881	503.858	305.023

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58811.894	266.592	0.134	0.451	2877.87	853.678	849.826	3.852
1992	198533	60494.150	59751.652	742.498	0.374	1.227	2829.84	862.271	851.685	10.587
1993	202517	62694.848	61282.136	1412.711	0.698	2.253	2845.87	881.034	861.169	19.865
1994	200670	63202.598	60996.016	2206.582	1.100	3.491	2777.94	874.966	844.389	30.577
1995	201046	63766.862	60629.687	3137.175	1.560	4.920	2739.93	869.097	826.286	42.812
1996	201218	64591.163	60388.567	4202.595	2.089	6.506	2706.58	868.908	812.284	56.624
1997	198698	64686.912	59527.513	5159.399	2.597	7.976	2635.52	858.147	789.570	68.577
1998	197657	65295.961	59052.925	6243.037	3.159	9.561	2584.66	854.046	772.207	81.839
1999	211452	67327.521	59409.725	7917.796	3.744	11.760	2727.63	868.771	766.356	102.414
2000	208658	67596.897	58537.906	9058.990	4.342	13.401	2657.90	861.419	745.658	115.761
2001	203811	67008.811	56806.969	10201.84	5.006	15.225	2567.06	844.458	715.502	128.956
2002	201081	67067.744	55584.404	11483.34	5.711	17.122	2507.55	836.925	693.155	143.770
2003	196657	66756.217	54187.574	12568.64	6.391	18.828	2429.07	825.244	669.314	155.930
2004	188513	65058.725	51634.417	13424.31	7.121	20.634	2304.86	796.234	631.310	164.925
2005	186829	65214.724	50560.282	14654.44	7.844	22.471	2258.62	789.321	611.235	178.085
2006	180553	63771.146	48231.916	15539.23	8.606	24.367	2163.30	765.117	577.892	187.225
2007	176165	63110.718	46676.785	16433.93	9.329	26.040	2089.28	749.650	553.575	196.075
2008	178171	63718.624	45911.869	17806.76	9.994	27.946	2089.73	748.674	538.491	210.183
2009	173467	62794.698	44191.012	18603.69	10.725	29.626	2011.19	729.515	512.356	217.159
2010	171219	61917.074	42439.373	19477.70	11.376	31.458	1961.92	711.083	486.295	224.787
2011	171114	61680.114	41042.023	20638.09	12.061	33.460	1941.81	701.700	465.745	235.955
2012	172320	62023.127	40119.401	21903.73	12.711	35.315	1934.98	698.386	450.500	247.886
2013	173698	62037.765	38948.120	23089.65	13.293	37.219	1928.99	691.059	432.537	258.522
2014	175271	61921.017	37565.640	24355.38	13.896	39.333	1924.56	682.195	412.489	269.706
2015	178583	61856.204	36420.704	25435.50	14.243	41.120	2190.68	761.899	446.774	315.125
2016	178183	60464.119	34246.056	26218.06	14.714	43.361	2164.17	737.655	415.946	321.709
2017	180773	60243.839	32909.860	27333.98	15.121	45.372	2174.07	728.017	395.792	332.225
2018	178724	60713.327	32358.023	28355.30	15.865	46.704	2128.21	726.721	385.313	341.408
2019	180938	61148.172	31479.799	29668.37	16.397	48.519	2132.90	724.841	371.083	353.758
2020	182332	61149.317	30558.481	30590.84	16.778	50.026	2432.85	821.432	407.741	413.691
2021	180082	58727.786	27835.990	30891.80	17.154	52.602	2384.41	783.216	368.567	414.648
2022	181525	58848.802	26811.289	32037.51	17.649	54.440	2384.20	778.881	352.146	426.734
2023	182913	58816.149	25773.071	33043.08	18.065	56.180	2382.66	772.407	335.724	436.682
2024	184041	58955.232	24800.495	34154.74	18.558	57.933	2377.90	768.316	320.434	447.883
2025	183007	58297.744	23753.496	34544.25	18.876	59.255	2724.43	876.861	353.619	523.242
2026	183068	56469.971	21859.411	34610.56	18.906	61.290	2713.49	846.150	324.008	522.142
2027	182520	56209.427	20752.746	35456.68	19.426	63.080	2693.10	838.883	306.208	532.675
2028	181812	55733.105	19623.631	36109.47	19.861	64.790	2669.96	828.298	288.179	540.119
2029	181006	55145.838	18525.881	36619.96	20.231	66.406	2644.92	815.951	270.707	545.244
2030	176920	53615.097	17381.520	36233.58	20.480	67.581	3053.17	939.056	299.958	639.098
2031	178558	52046.561	16279.587	35766.97	20.031	68.721	3075.32	910.364	280.384	629.979
2032	177118	51582.636	15373.341	36209.29	20.444	70.197	3042.67	900.496	264.095	636.401
2033	175620	50839.758	14473.331	36366.43	20.707	71.531	3007.72	885.375	247.874	637.500
2034	173975	50215.451	13610.499	36604.95	21.040	72.896	2969.53	872.104	232.314	639.790
2035	166738	47773.075	12614.289	35158.79	21.086	73.595	3474.82	1016.05	262.882	753.164
2036	160367	43298.709	10830.189	32468.52	20.246	74.987	3344.69	922.274	225.880	696.394
2037	157797	42241.563	9969.561	32272.00	20.452	76.399	3291.51	900.450	207.956	692.494
2038	155236	41356.353	9231.936	32124.42	20.694	77.677	3235.87	881.531	192.438	689.092
2039	152744	40161.050	8438.145	31722.91	20.769	78.989	3178.72	855.178	175.604	679.574

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2347491	1580465.217	1094348.477	486116.7	20.708	30.758	640.834	433.910	298.743	135.168

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31358.568	53.443	0.122	0.170	631.345	453.901	453.128	0.772
1992	45423	32782.407	32627.339	155.068	0.341	0.473	647.452	467.274	465.062	2.212
1993	46292	33491.183	33193.793	297.390	0.642	0.888	650.521	470.643	466.457	4.186
1994	47020	34074.347	33595.913	478.434	1.018	1.404	650.911	471.719	465.080	6.639
1995	47845	34694.454	33986.782	707.672	1.479	2.040	652.057	472.861	463.185	9.675
1996	48253	35027.269	34067.489	959.780	1.989	2.740	649.053	471.202	458.241	12.961
1997	49050	35590.763	34342.575	1248.188	2.545	3.507	650.591	472.153	455.518	16.635
1998	49707	36100.785	34520.225	1580.560	3.180	4.378	649.997	472.184	451.404	20.780
1999	48912	35451.030	33575.251	1875.778	3.835	5.291	630.935	457.448	433.104	24.343
2000	50370	36447.986	34140.568	2307.418	4.581	6.331	641.620	464.474	434.884	29.590
2001	50440	36411.326	33690.062	2721.264	5.395	7.474	635.304	458.863	424.337	34.526
2002	51510	37078.545	33834.422	3244.123	6.298	8.749	642.343	462.696	421.926	40.770
2003	51488	36999.876	33286.526	3713.350	7.212	10.036	635.964	457.395	411.148	46.246
2004	51495	36861.555	32633.758	4227.797	8.210	11.469	629.603	451.138	398.998	52.140
2005	51534	36689.529	31923.587	4765.942	9.248	12.990	623.005	444.069	385.932	58.137
2006	51486	36504.774	31172.121	5332.653	10.357	14.608	616.882	437.979	373.489	64.490
2007	51991	36663.202	30668.141	5995.061	11.531	16.352	616.603	435.498	363.717	71.781
2008	51147	35898.803	29423.191	6475.612	12.661	18.039	599.887	421.800	345.098	76.701
2009	51386	35934.525	28770.246	7164.280	13.942	19.937	595.780	417.468	333.566	83.902
2010	51068	35502.829	27771.724	7731.106	15.139	21.776	585.165	407.730	318.225	89.505
2011	50746	35136.342	26769.410	8366.932	16.488	23.813	575.862	399.726	303.779	95.947
2012	51510	35450.201	26300.302	9149.899	17.763	25.811	578.411	399.173	295.326	103.847
2013	51360	35123.224	25282.347	9840.877	19.161	28.018	570.378	391.249	280.772	110.477
2014	51571	35079.370	24506.398	10572.97	20.502	30.140	566.278	386.476	269.092	117.383
2015	50788	34324.171	23302.072	11022.10	21.702	32.112	623.015	422.780	285.847	136.932
2016	49217	33054.753	21667.505	11387.25	23.137	34.450	597.779	403.264	263.170	140.095
2017	48715	32471.234	20527.219	11944.02	24.518	36.783	585.871	392.399	246.872	145.527
2018	50904	33657.595	20433.058	13224.54	25.979	39.291	606.156	402.871	243.313	159.559
2019	51515	33863.424	19773.836	14089.59	27.350	41.607	607.257	401.412	233.094	168.318
2020	51964	33910.830	19090.532	14820.30	28.520	43.704	693.359	455.532	254.725	200.807
2021	48558	31531.880	16937.105	14594.78	30.056	46.286	642.942	420.521	224.259	196.262
2022	48895	31560.212	16194.798	15365.41	31.425	48.686	642.199	417.708	212.707	205.002
2023	49199	31508.781	15448.270	16060.51	32.644	50.972	640.876	413.791	201.232	212.559
2024	49424	31517.293	14735.407	16781.89	33.955	53.247	638.586	410.740	190.388	220.351
2025	49158	31175.389	13990.113	17185.28	34.960	55.124	731.811	468.912	208.271	260.640
2026	46005	29044.598	12409.755	16634.84	36.159	57.273	681.906	435.206	183.942	251.264
2027	45824	28825.765	11669.823	17155.94	37.439	59.516	676.135	430.203	172.189	258.014
2028	45594	28513.846	10932.218	17581.63	38.562	61.660	669.557	423.769	160.543	263.226
2029	45326	28148.109	10222.795	17925.31	39.547	63.682	662.326	416.486	149.379	267.107
2030	44212	27314.475	9489.595	17824.88	40.317	65.258	762.974	478.407	163.765	314.642
2031	41570	25423.102	8515.777	16907.32	40.672	66.504	715.963	444.684	146.668	298.016
2032	41179	25085.902	7955.281	17130.62	41.600	68.288	707.404	437.933	136.662	301.271
2033	40767	24645.067	7418.344	17226.72	42.257	69.899	698.187	429.194	127.049	302.145
2034	40319	24239.126	6910.232	17328.89	42.979	71.491	688.195	420.967	117.949	303.018
2035	38386	22944.147	6317.251	16626.90	43.315	72.467	799.962	487.980	131.652	356.328
2036	33844	19950.581	5208.164	14742.42	43.559	73.895	705.878	424.953	108.624	316.329
2037	33277	19415.334	4762.922	14652.41	44.032	75.468	694.122	413.871	99.350	314.520
2038	32709	18939.317	4387.672	14551.65	44.488	76.833	681.821	403.701	91.460	312.240
2039	32156	18379.752	3993.793	14385.96	44.738	78.271	669.190	391.373	83.114	308.259

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3265997	398833.796	179504.343	219329.5	6.716	54.993	891.574	109.498	49.002	60.496

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12717.693	138.786	0.144	1.080	1393.01	185.775	183.769	2.005
1992	93722	12662.244	12280.473	381.770	0.407	3.015	1335.88	180.485	175.043	5.442
1993	93681	12730.613	12016.040	714.573	0.763	5.613	1316.46	178.900	168.856	10.044
1994	90837	12495.323	11397.405	1097.917	1.209	8.787	1257.49	172.983	157.778	15.205
1995	89708	12365.590	10836.530	1529.060	1.704	12.365	1222.58	168.534	147.685	20.850
1996	88303	12290.551	10253.063	2037.489	2.307	16.578	1187.76	165.338	137.914	27.424
1997	84802	11719.531	9308.808	2410.723	2.843	20.570	1124.81	155.473	123.472	32.002
1998	82552	11416.794	8584.647	2832.147	3.431	24.807	1079.49	149.327	112.257	37.070
1999	93994	13028.038	9200.346	3827.692	4.072	29.380	1212.47	168.109	118.680	49.429
2000	90109	12426.299	8234.783	4191.516	4.652	33.731	1147.81	158.354	104.895	53.459
2001	86206	11939.281	7314.489	4624.792	5.365	38.736	1085.79	150.461	92.128	58.333
2002	83119	11528.794	6495.975	5032.819	6.055	43.654	1036.52	143.865	81.007	62.859
2003	79425	11048.407	5741.178	5307.229	6.682	48.036	981.045	136.581	70.914	65.667
2004	74000	10375.132	4923.425	5451.706	7.367	52.546	904.758	126.978	60.196	66.782
2005	71808	10051.029	4353.459	5697.570	7.934	56.686	868.099	121.652	52.630	69.022
2006	67725	9542.523	3722.026	5820.498	8.594	60.995	811.448	114.490	44.596	69.894
2007	63691	8936.533	3156.850	5779.683	9.075	64.675	755.358	106.151	37.439	68.712
2008	63383	8944.180	2853.505	6090.675	9.609	68.097	743.408	105.091	33.468	71.623
2009	59974	8390.033	2443.000	5947.033	9.916	70.882	695.346	97.471	28.324	69.146
2010	58254	8157.570	2156.058	6001.511	10.302	73.570	667.510	93.685	24.705	68.980
2011	57638	8035.356	1914.290	6121.066	10.620	76.177	654.077	91.414	21.723	69.690
2012	57708	7970.766	1708.884	6261.882	10.851	78.561	648.007	89.752	19.189	70.563
2013	57393	7743.216	1508.723	6234.493	10.863	80.516	637.378	86.254	16.755	69.499
2014	57897	7774.935	1369.717	6405.218	11.063	82.383	635.735	85.658	15.040	70.618
2015	58793	7722.535	1253.797	6468.738	11.003	83.764	721.217	95.120	15.380	79.740
2016	59092	7600.353	1111.215	6489.138	10.981	85.379	717.725	92.723	13.497	79.227
2017	59477	7470.266	997.339	6472.927	10.883	86.649	715.308	90.274	11.995	78.280
2018	56563	6907.050	846.084	6060.966	10.715	87.750	673.542	82.675	10.075	72.600
2019	56409	6732.046	764.199	5967.847	10.580	88.648	664.947	79.801	9.008	70.792
2020	55875	6429.836	686.764	5743.071	10.279	89.319	745.534	86.373	9.163	77.210
2021	56898	6562.016	634.203	5927.813	10.418	90.335	753.373	87.513	8.397	79.116
2022	56470	6352.366	573.874	5778.492	10.233	90.966	741.685	84.075	7.537	76.538
2023	56017	6134.123	521.758	5612.365	10.019	91.494	729.689	80.557	6.797	73.760
2024	55485	5922.193	478.704	5443.489	9.811	91.917	716.892	77.179	6.185	70.994
2025	54044	5504.188	427.636	5076.551	9.393	92.231	804.552	82.789	6.366	76.423
2026	56097	5641.075	418.866	5222.210	9.309	92.575	831.494	84.526	6.209	78.318
2027	55048	5426.216	388.426	5037.790	9.152	92.842	812.239	80.982	5.731	75.251
2028	53968	5197.830	361.134	4836.696	8.962	93.052	792.541	77.249	5.303	71.946
2029	52880	4973.547	337.072	4636.475	8.768	93.223	772.700	73.590	4.925	68.664
2030	50405	4450.618	292.824	4157.794	8.249	93.421	869.859	77.952	5.053	72.898
2031	53011	4555.052	295.131	4259.921	8.036	93.521	913.011	79.674	5.083	74.591
2032	51725	4349.999	277.064	4072.935	7.874	93.631	888.562	75.939	4.760	71.180
2033	50449	4147.948	261.141	3886.807	7.704	93.704	864.006	72.237	4.472	67.764
2034	49164	3966.133	246.293	3719.840	7.566	93.790	839.162	68.881	4.204	64.677
2035	45606	3289.064	198.810	3090.255	6.776	93.955	950.423	69.952	4.143	65.809
2036	47525	3313.192	197.684	3115.509	6.555	94.033	991.210	70.572	4.123	66.449
2037	46024	3117.951	184.487	2933.464	6.374	94.083	960.014	66.464	3.848	62.616
2038	44564	2949.775	173.364	2776.411	6.230	94.123	928.922	62.876	3.614	59.262
2039	43160	2766.312	162.215	2604.097	6.034	94.136	898.189	58.905	3.376	55.529

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1363572	104899.750	46106.393	58793.36	4.312	56.047	372.237	28.800	12.586	16.213

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3163.888	43.175	0.133	1.346	469.694	46.342	45.718	0.624
1992	32560	3218.125	3099.410	118.715	0.365	3.689	464.105	45.871	44.178	1.692
1993	32769	3226.680	3006.840	219.840	0.671	6.813	460.484	45.344	42.254	3.090
1994	33007	3277.266	2933.681	343.584	1.041	10.484	456.926	45.370	40.612	4.758
1995	33734	3309.378	2824.682	484.696	1.437	14.646	459.736	45.104	38.496	6.609
1996	33756	3312.987	2677.272	635.715	1.883	19.189	454.054	44.568	36.012	8.556
1997	33709	3267.066	2488.067	778.999	2.311	23.844	447.109	43.341	33.002	10.340
1998	33288	3178.725	2269.500	909.225	2.731	28.603	435.285	41.577	29.677	11.899
1999	33910	3120.351	2083.301	1037.050	3.058	33.235	437.422	40.264	26.874	13.390
2000	33852	3142.808	1956.563	1186.245	3.504	37.745	431.212	40.050	24.923	15.128
2001	32538	2961.588	1712.559	1249.029	3.839	42.174	409.821	37.323	21.570	15.752
2002	32117	2940.627	1565.069	1375.559	4.283	46.778	400.511	36.695	19.517	17.179
2003	30614	2819.545	1382.515	1437.030	4.694	50.967	378.138	34.855	17.077	17.779
2004	29442	2730.466	1228.407	1502.059	5.102	55.011	359.968	33.417	15.019	18.398
2005	28014	2670.510	1098.922	1571.588	5.610	58.850	338.667	32.322	13.285	19.037
2006	27269	2623.285	986.413	1636.873	6.003	62.398	326.727	31.474	11.819	19.655
2007	26378	2536.599	871.557	1665.042	6.312	65.641	312.835	30.131	10.336	19.794
2008	26084	2469.443	775.376	1694.068	6.495	68.601	305.930	29.015	9.094	19.921
2009	25134	2386.945	684.600	1702.344	6.773	71.319	291.402	27.730	7.937	19.793
2010	24944	2329.274	612.237	1717.038	6.883	73.716	285.827	26.750	7.015	19.735
2011	24908	2286.581	548.275	1738.306	6.979	76.022	282.656	26.013	6.222	19.791
2012	24627	2243.311	490.535	1752.776	7.117	78.133	276.534	25.260	5.508	19.752
2013	24591	2176.503	433.373	1743.130	7.089	80.089	273.091	24.245	4.813	19.432
2014	25455	2211.619	403.994	1807.625	7.101	81.733	279.505	24.366	4.436	19.930
2015	26497	2237.016	377.770	1859.246	7.017	83.113	325.043	27.554	4.634	22.920
2016	26935	2229.057	345.777	1883.280	6.992	84.488	327.147	27.194	4.200	22.994
2017	27841	2221.649	318.945	1902.704	6.834	85.644	334.830	26.848	3.836	23.012
2018	25479	1939.420	260.076	1679.343	6.591	86.590	303.402	23.214	3.097	20.117
2019	25672	1904.400	237.244	1667.155	6.494	87.542	302.625	22.574	2.797	19.778
2020	25643	1806.054	212.709	1593.345	6.214	88.222	342.152	24.261	2.838	21.423
2021	25733	1748.172	191.891	1556.282	6.048	89.023	340.719	23.314	2.541	20.774
2022	25844	1701.148	174.943	1526.205	5.905	89.716	339.443	22.515	2.298	20.217
2023	25947	1652.087	160.155	1491.932	5.750	90.306	337.988	21.696	2.086	19.610
2024	26007	1597.127	146.733	1450.394	5.577	90.813	336.018	20.814	1.896	18.918
2025	25628	1467.622	128.876	1338.746	5.224	91.219	381.526	22.075	1.919	20.156
2026	25876	1390.505	116.902	1273.603	4.922	91.593	383.545	20.835	1.733	19.103
2027	25679	1342.095	108.055	1234.040	4.806	91.949	378.899	20.030	1.594	18.435
2028	25456	1289.536	100.279	1189.257	4.672	92.224	373.832	19.165	1.473	17.692
2029	25220	1242.216	93.193	1149.023	4.556	92.498	368.529	18.380	1.362	17.018
2030	24429	1096.803	79.546	1017.257	4.164	92.747	421.581	19.210	1.373	17.838
2031	24461	1019.991	72.059	947.932	3.875	92.935	421.286	17.841	1.241	16.600
2032	24131	977.406	67.192	910.214	3.772	93.125	414.534	17.063	1.154	15.909
2033	23791	937.450	62.988	874.462	3.676	93.281	407.458	16.326	1.079	15.247
2034	23427	900.763	59.106	841.657	3.593	93.438	399.875	15.644	1.009	14.635
2035	22291	745.023	47.658	697.365	3.128	93.603	464.544	15.845	0.993	14.852
2036	21466	680.360	42.497	637.862	2.972	93.754	447.702	14.492	0.886	13.605
2037	20967	644.109	39.677	604.432	2.883	93.840	437.355	13.730	0.828	12.903
2038	20468	612.448	37.234	575.214	2.810	93.920	426.652	13.055	0.776	12.278
2039	19977	577.529	34.834	542.695	2.717	93.968	415.731	12.298	0.725	11.573

Results for PHIM for Run 4 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2185848	862051.244	525764.745	336286.5	15.385	39.010	596.707	236.673	143.527	93.146

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11571.745	31.188	0.117	0.269	383.818	167.661	167.211	0.451
1992	26828	11831.375	11744.429	86.945	0.324	0.735	382.402	168.642	167.402	1.240
1993	29775	13246.371	13065.463	180.908	0.608	1.366	418.410	186.148	183.603	2.545
1994	29806	13355.662	13069.016	286.646	0.962	2.146	412.612	184.893	180.919	3.975
1995	29758	13397.439	12981.693	415.747	1.397	3.103	405.560	182.598	176.920	5.678
1996	30906	13960.356	13390.744	569.612	1.843	4.080	415.716	187.801	180.118	7.682
1997	31137	14109.552	13388.063	721.489	2.317	5.113	413.005	187.180	177.579	9.601
1998	32110	14599.657	13678.553	921.104	2.869	6.309	419.886	190.958	178.868	12.090
1999	34637	15728.102	14550.827	1177.276	3.399	7.485	446.796	202.950	187.699	15.251
2000	34326	15579.803	14205.991	1373.812	4.002	8.818	437.252	198.541	180.957	17.584
2001	34628	15696.614	14089.859	1606.756	4.640	10.236	436.150	197.812	177.466	20.346
2002	34336	15519.777	13688.938	1830.839	5.332	11.797	428.177	193.668	170.705	22.963
2003	35130	15888.389	13777.356	2111.033	6.009	13.287	433.924	196.413	170.175	26.238
2004	33577	15091.573	12848.826	2242.746	6.679	14.861	410.535	184.701	157.097	27.605
2005	35473	15803.656	13184.314	2619.342	7.384	16.574	428.847	191.278	159.388	31.890
2006	34072	15100.563	12351.357	2749.207	8.069	18.206	408.238	181.174	147.988	33.186
2007	34105	14974.384	11980.237	2994.146	8.779	19.995	404.481	177.871	142.083	35.788
2008	37558	16406.197	12859.797	3546.400	9.443	21.616	440.504	192.768	150.830	41.938
2009	36973	16083.194	12293.166	3790.028	10.251	23.565	428.666	186.846	142.528	44.317
2010	36952	15927.400	11899.354	4028.046	10.901	25.290	423.422	182.917	136.350	46.567
2011	37822	16221.836	11810.048	4411.788	11.664	27.197	429.209	184.547	134.020	50.526
2012	38475	16358.849	11619.681	4739.168	12.318	28.970	432.031	184.202	130.477	53.725
2013	40354	16994.822	11723.677	5271.146	13.062	31.016	448.147	189.311	130.197	59.114
2014	40348	16855.093	11285.531	5569.562	13.804	33.044	443.042	185.696	123.921	61.775
2015	42505	17572.483	11487.065	6085.418	14.317	34.630	521.405	216.445	140.912	75.533
2016	42939	17579.955	11121.559	6458.397	15.041	36.737	521.524	214.473	135.080	79.393
2017	44739	18080.688	11066.356	7014.332	15.678	38.795	538.061	218.496	133.090	85.406
2018	45778	18209.262	10818.804	7390.458	16.144	40.586	545.110	217.960	128.828	89.131
2019	47342	18648.302	10704.519	7943.783	16.779	42.598	558.070	221.054	126.185	94.870
2020	48850	19002.597	10568.475	8434.122	17.265	44.384	651.804	255.266	141.015	114.251
2021	48893	18885.717	10072.792	8812.926	18.025	46.665	647.378	251.867	133.371	118.496
2022	50317	19235.076	9867.675	9367.402	18.617	48.700	660.871	254.582	129.605	124.977
2023	51750	19521.158	9642.888	9878.270	19.088	50.603	674.103	256.363	125.610	130.753
2024	53125	19918.620	9439.651	10478.97	19.725	52.609	686.400	259.583	121.965	137.619
2025	54178	20150.545	9206.870	10943.67	20.200	54.310	806.542	303.086	137.063	166.023
2026	55089	20393.792	8913.888	11479.90	20.839	56.291	816.548	305.582	132.125	173.457
2027	55969	20615.351	8586.442	12028.91	21.492	58.349	825.828	307.668	126.694	180.975
2028	56793	20731.894	8230.000	12501.89	22.013	60.303	834.027	308.115	120.860	187.255
2029	57579	20781.967	7872.821	12909.15	22.420	62.117	841.365	307.495	115.040	192.454
2030	57874	20753.201	7519.555	13233.65	22.866	63.767	998.756	363.487	129.767	233.720
2031	59517	21048.417	7396.620	13651.80	22.938	64.859	1025.06	368.165	127.392	240.772
2032	60084	21169.329	7073.804	14095.52	23.460	66.585	1032.17	369.560	121.519	248.041
2033	60612	21109.293	6730.858	14378.44	23.722	68.114	1038.06	367.618	115.275	252.344
2034	61065	21109.429	6394.867	14714.56	24.097	69.706	1042.30	366.613	109.152	257.460
2035	60455	20794.840	6050.571	14744.27	24.389	70.903	1259.89	442.268	126.094	316.174
2036	57531	19354.577	5381.844	13972.73	24.287	72.193	1199.90	412.258	112.247	300.011
2037	57530	19064.169	4982.475	14081.69	24.477	73.865	1200.02	406.385	103.930	302.455
2038	57495	18854.812	4633.666	14221.15	24.735	75.424	1198.47	401.900	96.588	305.311
2039	57452	18437.457	4247.302	14190.15	24.699	76.964	1195.61	392.602	88.389	304.212

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Control File Details for Run: 5

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S2C
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_2
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 5, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 5, Scenario: Ecig

Variable Parameter

Value

- 1. Country
 - 2. Sex
 - 3. Assumption Set
- Note:

US (United States)
M (Males)
S2C
Period is in Months

Age	Period	Initiation		Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.001921	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.002360	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000188	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000093	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000047	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.002944	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.004193	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000412	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000578	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000218	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.003449	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.004264	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.001965	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000671	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000332	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.003294	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.004442	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000059	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.001351	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000661	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.002198	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.003788	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000304	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000239	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000119	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

25-29	253+	0.009232	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.009517	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.008769	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.008295	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.007061	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.005807	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.005067	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.003551	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000907	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 5, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 5, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	16373	17.74	0	0.00			
5	All Ages	Ecig	10499	11.38					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	27050	29.31			15.12	1774	6.56
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	382	10.78	0	0.00			
5	18-19	Ecig	612	17.27					
5	18-19	Dual	0	0.00					
5	18-19	Former	102	2.88			0.99	74	72.55
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	1346	14.89	0	0.00			
5	20-24	Ecig	1343	14.86					
5	20-24	Dual	0	0.00					
5	20-24	Former	564	6.24			2.71	173	30.67
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	1807	18.41	0	0.00			
5	25-29	Ecig	1409	14.35					
5	25-29	Dual	0	0.00					
5	25-29	Former	1129	11.50			5.49	106	9.39
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

5	30-34	Never Any	5065	47.50					
5	30-34	CC	2076	19.47	0	0.00			
5	30-34	Ecig	1726	16.19					
5	30-34	Dual	0	0.00					
5	30-34	Former	1797	16.85			6.95	110	6.12
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	2143	19.63	0	0.00			
5	35-39	Ecig	1614	14.79					
5	35-39	Dual	0	0.00					
5	35-39	Former	2435	22.31			8.16	127	5.22
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1852	18.73	0	0.00			
5	40-44	Ecig	1310	13.25					
5	40-44	Dual	0	0.00					
5	40-44	Former	2786	28.17			11.99	156	5.60
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1733	20.02	0	0.00			
5	45-49	Ecig	1023	11.82					
5	45-49	Dual	0	0.00					
5	45-49	Former	2987	34.51			14.02	162	5.42
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	1375	21.11	0	0.00			
5	50-54	Ecig	616	9.46					
5	50-54	Dual	0	0.00					
5	50-54	Former	2605	39.98			16.20	135	5.18
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	1051	19.19	0	0.00			
5	55-59	Ecig	413	7.54					
5	55-59	Dual	0	0.00					
5	55-59	Former	2402	43.86			16.98	132	5.50
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	869	17.44	0	0.00			
5	60-64	Ecig	283	5.68					
5	60-64	Dual	0	0.00					
5	60-64	Former	2494	50.05			17.16	149	5.97
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	708	14.43	0	0.00			
5	65-69	Ecig	134	2.73					
5	65-69	Dual	0	0.00					
5	65-69	Former	2894	59.00			20.46	217	7.50
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	595	13.56	0	0.00			
5	70-74	Ecig	16	0.36					
5	70-74	Dual	0	0.00					
5	70-74	Former	2753	62.75			21.84	139	5.05
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	436	12.46	0	0.00			
5	75-79	Ecig	0	0.00					
5	75-79	Dual	0	0.00					
5	75-79	Former	2102	60.07			23.00	94	4.47
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	9615	10.22	0	0.00			
10	All Ages	Ecig	15930	16.93					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29370	31.21			16.86	1699	5.78
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	718	8.12	0	0.00			
10	20-24	Ecig	2291	25.90					
10	20-24	Dual	0	0.00					
10	20-24	Former	909	10.28			3.40	254	27.94
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	770	8.52	0	0.00			
10	25-29	Ecig	1942	21.48					
10	25-29	Dual	0	0.00					
10	25-29	Former	987	10.92			5.22	170	17.22
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	981	9.99	0	0.00			
10	30-34	Ecig	2118	21.58					
10	30-34	Dual	0	0.00					
10	30-34	Former	1441	14.68			8.66	114	7.91
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	1168	10.95	0	0.00			
10	35-39	Ecig	2437	22.85					
10	35-39	Dual	0	0.00					
10	35-39	Former	2062	19.34			10.66	107	5.19
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	1178	10.79	0	0.00			
10	40-44	Ecig	2256	20.67					
10	40-44	Dual	0	0.00					
10	40-44	Former	2758	25.27			11.86	126	4.57
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	1039	10.51	0	0.00			
10	45-49	Ecig	1766	17.86					
10	45-49	Dual	0	0.00					
10	45-49	Former	3143	31.78			15.27	156	4.96
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	953	11.01	0	0.00			
10	50-54	Ecig	1365	15.77					
10	50-54	Dual	0	0.00					
10	50-54	Former	3425	39.57			16.84	178	5.20
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	787	12.08	0	0.00			
10	55-59	Ecig	807	12.39					
10	55-59	Dual	0	0.00					

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		3002	46.08			18.66	158	5.26
10	60-64	Never Any		1611	29.41					
10	60-64	CC		626	11.43	0	0.00			
10	60-64	Ecig		529	9.66					
10	60-64	Dual		0	0.00					
10	60-64	Former		2711	49.50			19.69	143	5.27
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		519	10.42	0	0.00			
10	65-69	Ecig		302	6.06					
10	65-69	Dual		0	0.00					
10	65-69	Former		2825	56.69			19.80	142	5.03
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		474	9.66	0	0.00			
10	70-74	Ecig		108	2.20					
10	70-74	Dual		0	0.00					
10	70-74	Former		3154	64.30			23.56	77	2.44
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		402	9.16	0	0.00			
10	75-79	Ecig		9	0.21					
10	75-79	Dual		0	0.00					
10	75-79	Former		2953	67.31			25.16	74	2.51
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		5334	5.95	0	0.00			
15	All Ages	Ecig		16605	18.51					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		30317	33.80			18.50	1542	5.09
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		386	4.36	0	0.00			
15	25-29	Ecig		2460	27.81					
15	25-29	Dual		0	0.00					
15	25-29	Former		1365	15.43			6.32	171	12.53
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		384	4.25	0	0.00			
15	30-34	Ecig		2198	24.31					
15	30-34	Dual		0	0.00					
15	30-34	Former		1416	15.66			7.71	168	11.86
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		533	5.43	0	0.00			

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

15	35-39	Ecig	2335	23.79					
15	35-39	Dual	0	0.00					
15	35-39	Former	1785	18.18			11.41	136	7.62
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	622	5.83	0	0.00			
15	40-44	Ecig	2566	24.06					
15	40-44	Dual	0	0.00					
15	40-44	Former	2479	23.25			13.33	195	7.87
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	657	6.02	0	0.00			
15	45-49	Ecig	2354	21.56					
15	45-49	Dual	0	0.00					
15	45-49	Former	3181	29.14			14.89	165	5.19
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	637	6.44	0	0.00			
15	50-54	Ecig	1775	17.95					
15	50-54	Dual	0	0.00					
15	50-54	Former	3536	35.76			18.25	150	4.24
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	596	6.89	0	0.00			
15	55-59	Ecig	1415	16.35					
15	55-59	Dual	0	0.00					
15	55-59	Former	3732	43.12			20.23	108	2.89
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	469	7.20	0	0.00			
15	60-64	Ecig	791	12.14					
15	60-64	Dual	0	0.00					
15	60-64	Former	3336	51.20			21.48	163	4.89
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	374	6.83	0	0.00			
15	65-69	Ecig	438	8.00					
15	65-69	Dual	0	0.00					
15	65-69	Former	3054	55.76			22.15	124	4.06
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	358	7.18	0	0.00			
15	70-74	Ecig	208	4.17					
15	70-74	Dual	0	0.00					
15	70-74	Former	3080	61.81			22.92	87	2.82
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	318	6.48	0	0.00			
15	75-79	Ecig	65	1.33					
15	75-79	Dual	0	0.00					
15	75-79	Former	3353	68.36			26.99	75	2.24
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	2908	3.43	0	0.00			
20	All Ages	Ecig	14925	17.60					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	30864	36.40			19.86	1521	4.93
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	178	2.01	0	0.00			
20	30-34	Ecig	2268	25.64					
20	30-34	Dual	0	0.00					
20	30-34	Former	1891	21.38			8.70	231	12.22
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	195	2.16	0	0.00			
20	35-39	Ecig	1977	21.87					
20	35-39	Dual	0	0.00					
20	35-39	Former	1877	20.76			10.12	144	7.67
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	295	3.01	0	0.00			
20	40-44	Ecig	2209	22.50					
20	40-44	Dual	0	0.00					
20	40-44	Former	2149	21.89			13.96	149	6.93
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	342	3.21	0	0.00			
20	45-49	Ecig	2389	22.40					
20	45-49	Dual	0	0.00					
20	45-49	Former	2936	27.53			15.80	167	5.69
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	377	3.45	0	0.00			
20	50-54	Ecig	2207	20.22					
20	50-54	Dual	0	0.00					
20	50-54	Former	3608	33.05			17.78	168	4.66
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	372	3.76	0	0.00			
20	55-59	Ecig	1584	16.02					
20	55-59	Dual	0	0.00					
20	55-59	Former	3992	40.37			20.82	178	4.46
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	332	3.84	0	0.00			
20	60-64	Ecig	1194	13.80					
20	60-64	Dual	0	0.00					
20	60-64	Former	4217	48.72			22.51	248	5.88
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	283	4.34	0	0.00			
20	65-69	Ecig	600	9.21					
20	65-69	Dual	0	0.00					
20	65-69	Former	3713	56.99			24.02	119	3.20
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	270	4.93	0	0.00			
20	70-74	Ecig	347	6.34					
20	70-74	Dual	0	0.00					
20	70-74	Former	3249	59.32			25.66	64	1.97
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	264	5.30	0	0.00			
20	75-79	Ecig	150	3.01					
20	75-79	Dual	0	0.00					
20	75-79	Former	3232	64.86			26.71	53	1.64
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	1573	1.97	0	0.00			
25	All Ages	Ecig	12794	16.03					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	30703	38.47			21.87	1097	3.57
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	83	0.94	0	0.00			
25	35-39	Ecig	1940	21.93					
25	35-39	Dual	0	0.00					
25	35-39	Former	2333	26.38			11.54	138	5.92
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	92	1.02	0	0.00			
25	40-44	Ecig	1798	19.89					
25	40-44	Dual	0	0.00					

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25	40-44	Former	2159	23.88			13.41	109	5.05
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5163	52.60					
25	45-49	CC	166	1.69	0	0.00			
25	45-49	Ecig	2062	21.01					
25	45-49	Dual	0	0.00					
25	45-49	Former	2425	24.70			17.07	85	3.51
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4997	46.86					
25	50-54	CC	194	1.82	0	0.00			
25	50-54	Ecig	2248	21.08					
25	50-54	Dual	0	0.00					
25	50-54	Former	3225	30.24			19.11	136	4.22
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4724	43.28					
25	55-59	CC	202	1.85	0	0.00			
25	55-59	Ecig	1918	17.57					
25	55-59	Dual	0	0.00					
25	55-59	Former	4072	37.30			20.43	166	4.08
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	202	2.04	0	0.00			
25	60-64	Ecig	1235	12.49					
25	60-64	Dual	0	0.00					
25	60-64	Former	4511	45.62			23.08	212	4.70
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	219	2.53	0	0.00			
25	65-69	Ecig	862	9.96					
25	65-69	Dual	0	0.00					
25	65-69	Former	4662	53.86			25.11	132	2.83
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	216	3.32	0	0.00			
25	70-74	Ecig	464	7.12					
25	70-74	Dual	0	0.00					
25	70-74	Former	3916	60.11			27.63	72	1.84
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	199	3.63	0	0.00			
25	75-79	Ecig	267	4.87					
25	75-79	Dual	0	0.00					
25	75-79	Former	3400	62.08			29.39	47	1.38
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	33136	44.57					
30	All Ages	CC	870	1.17	0	0.00			
30	All Ages	Ecig	10574	14.22					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	29760	40.03			23.96	932	3.13
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	40	0.45	0	0.00			
30	40-44	Ecig	1710	19.33					
30	40-44	Dual	0	0.00					
30	40-44	Former	2606	29.46			15.02	108	4.14
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	55	0.61	0	0.00			
30	45-49	Ecig	1612	17.83					
30	45-49	Dual	0	0.00					
30	45-49	Former	2382	26.35			16.91	63	2.64
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	99	1.01	0	0.00			
30	50-54	Ecig	1936	19.72					
30	50-54	Dual	0	0.00					
30	50-54	Former	2618	26.67			20.56	99	3.78
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	114	1.07	0	0.00			
30	55-59	Ecig	1920	18.00					
30	55-59	Dual	0	0.00					
30	55-59	Former	3633	34.07			21.63	155	4.27
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	115	1.05	0	0.00			
30	60-64	Ecig	1482	13.58					
30	60-64	Dual	0	0.00					
30	60-64	Former	4595	42.09			22.76	223	4.85
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	133	1.34	0	0.00			
30	65-69	Ecig	912	9.22					
30	65-69	Dual	0	0.00					
30	65-69	Former	4903	49.58			26.01	133	2.71
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

30	70-74	Never Any	2912	33.65					
30	70-74	CC	154	1.78	0	0.00			
30	70-74	Ecig	644	7.44					
30	70-74	Dual	0	0.00					
30	70-74	Former	4945	57.13			28.51	99	2.00
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	160	2.46	0	0.00			
30	75-79	Ecig	358	5.50					
30	75-79	Dual	0	0.00					
30	75-79	Former	4078	62.59			31.42	52	1.28
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	477	0.70	0	0.00			
35	All Ages	Ecig	8400	12.38					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	27731	40.89			25.88	785	2.83
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	23	0.26	0	0.00			
35	45-49	Ecig	1526	17.25					
35	45-49	Dual	0	0.00					
35	45-49	Former	2807	31.74			18.76	58	2.07
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	34	0.38	0	0.00			
35	50-54	Ecig	1499	16.58					
35	50-54	Dual	0	0.00					
35	50-54	Former	2516	27.83			20.83	67	2.66
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	58	0.59	0	0.00			
35	55-59	Ecig	1602	16.32					
35	55-59	Dual	0	0.00					
35	55-59	Former	2993	30.49			22.60	161	5.38
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	65	0.61	0	0.00			
35	60-64	Ecig	1468	13.77					
35	60-64	Dual	0	0.00					
35	60-64	Former	4134	38.77			23.64	201	4.86
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	73	0.67	0	0.00			
35	65-69	Ecig	1101	10.09					
35	65-69	Dual	0	0.00					
35	65-69	Former	5018	45.97			25.60	153	3.05
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	104	1.05	0	0.00			
35	70-74	Ecig	727	7.35					
35	70-74	Dual	0	0.00					
35	70-74	Former	5117	51.74			29.81	70	1.37
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	120	1.39	0	0.00			
35	75-79	Ecig	477	5.51					
35	75-79	Dual	0	0.00					
35	75-79	Former	5146	59.46			32.28	75	1.46
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	231	0.39	0	0.00			
40	All Ages	Ecig	6290	10.63					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	24344	41.14			27.44	684	2.81
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any		4489	50.75					
40	50-54	CC		16	0.18	0	0.00			
40	50-54	Ecig		1387	15.68					
40	50-54	Dual		0	0.00					
40	50-54	Former		2953	33.39			22.67	75	2.54
Year of Follow-up: 2030, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any		4991	55.21					
40	55-59	CC		21	0.23	0	0.00			
40	55-59	Ecig		1244	13.76					
40	55-59	Dual		0	0.00					
40	55-59	Former		2784	30.80			23.54	111	3.99
Year of Follow-up: 2030, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any		5163	52.60					
40	60-64	CC		30	0.31	0	0.00			
40	60-64	Ecig		1204	12.27					
40	60-64	Dual		0	0.00					
40	60-64	Former		3419	34.83			24.40	180	5.26
Year of Follow-up: 2030, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any		4997	46.86					
40	65-69	CC		33	0.31	0	0.00			
40	65-69	Ecig		1086	10.18					
40	65-69	Dual		0	0.00					
40	65-69	Former		4548	42.65			26.24	133	2.92
Year of Follow-up: 2030, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any		4724	43.28					
40	70-74	CC		50	0.46	0	0.00			
40	70-74	Ecig		824	7.55					
40	70-74	Dual		0	0.00					
40	70-74	Former		5318	48.72			28.99	98	1.84
Year of Follow-up: 2030, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any		3941	39.85					
40	75-79	CC		81	0.82	0	0.00			

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

40	75-79	Ecig	545	5.51					
40	75-79	Dual	0	0.00					
40	75-79	Former	5322	53.82			33.54	87	1.63
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	104	0.21	0	0.00			
45	All Ages	Ecig	4415	8.96					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	20398	41.39			28.79	550	2.70
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

45	55-59	Never Any	4489	50.75					
45	55-59	CC	11	0.12	0	0.00			
45	55-59	Ecig	1169	13.22					
45	55-59	Dual	0	0.00					
45	55-59	Former	3176	35.91			25.86	102	3.21
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	14	0.15	0	0.00			
45	60-64	Ecig	972	10.75					
45	60-64	Dual	0	0.00					
45	60-64	Former	3063	33.88			26.11	127	4.15
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	18	0.18	0	0.00			
45	65-69	Ecig	861	8.77					
45	65-69	Dual	0	0.00					
45	65-69	Former	3774	38.45			26.85	111	2.94
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	26	0.24	0	0.00			
45	70-74	Ecig	819	7.68					
45	70-74	Dual	0	0.00					
45	70-74	Former	4822	45.22			29.58	109	2.26
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	35	0.32	0	0.00			
45	75-79	Ecig	594	5.44					
45	75-79	Dual	0	0.00					
45	75-79	Former	5563	50.96			32.58	101	1.82
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	46	0.12	0	0.00			
50	All Ages	Ecig	2824	7.36					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	15855	41.33			30.42	382	2.41
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	7	0.08	0	0.00			
50	60-64	Ecig	865	9.78					
50	60-64	Dual	0	0.00					
50	60-64	Former	3484	39.39			28.30	131	3.76
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	6	0.07	0	0.00			
50	65-69	Ecig	713	7.89					
50	65-69	Dual	0	0.00					
50	65-69	Former	3330	36.84			28.78	102	3.06
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	13	0.13	0	0.00			
50	70-74	Ecig	628	6.40					
50	70-74	Dual	0	0.00					
50	70-74	Former	4012	40.87			30.10	72	1.79
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	20	0.19	0	0.00			
50	75-79	Ecig	618	5.80					
50	75-79	Dual	0	0.00					
50	75-79	Former	5029	47.16			33.24	77	1.53

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	3304895.519	1204495	9.160	26.711	3806.31	1305.37	956.696	348.675

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123802.877	196.566	0.063	0.159	4883.81	1933.45	1930.38	3.065
1992	308577	122014.015	121488.007	526.008	0.170	0.431	4729.73	1870.18	1862.11	8.062
1993	311713	122810.618	121801.261	1009.357	0.324	0.822	4692.62	1848.83	1833.63	15.195
1994	305700	119925.592	118334.782	1590.810	0.520	1.326	4516.19	1771.69	1748.19	23.501
1995	303225	117896.496	115578.760	2317.736	0.764	1.966	4393.80	1708.35	1674.76	33.585
1996	299559	115698.645	112568.253	3130.392	1.045	2.706	4273.16	1650.42	1605.77	44.654
1997	294226	113359.847	109377.632	3982.214	1.353	3.513	4128.67	1590.70	1534.82	55.880
1998	289258	111444.212	106576.812	4867.400	1.683	4.368	3992.19	1538.10	1470.92	67.177
1999	311002	114877.722	108158.437	6719.285	2.161	5.849	4224.60	1560.48	1469.21	91.274
2000	303786	112379.704	104482.731	7896.973	2.600	7.027	4066.21	1504.22	1398.51	105.702
2001	296294	110024.943	100854.372	9170.571	3.095	8.335	3914.28	1453.52	1332.37	121.151
2002	291898	108289.173	97626.719	10662.45	3.653	9.846	3813.00	1414.56	1275.28	139.281
2003	285865	106539.023	94522.900	12016.12	4.203	11.279	3695.36	1377.22	1221.89	155.332
2004	274177	103037.251	89912.381	13124.87	4.787	12.738	3506.10	1317.61	1149.78	167.837
2005	272379	103044.562	88438.427	14606.14	5.362	14.175	3442.69	1302.41	1117.80	184.612
2006	264118	99672.555	83587.325	16085.23	6.090	16.138	3307.76	1248.28	1046.83	201.448
2007	258419	97839.152	80525.787	17313.36	6.700	17.696	3203.20	1212.75	998.146	214.605
2008	259461	98075.852	79281.569	18794.28	7.244	19.163	3180.09	1202.07	971.718	230.353
2009	253907	95617.338	75645.534	19971.80	7.866	20.887	3075.31	1158.11	916.216	241.898
2010	251878	94607.988	73420.498	21187.49	8.412	22.395	3013.72	1131.98	878.476	253.508
2011	251779	93633.119	70862.178	22770.94	9.044	24.319	2982.76	1109.25	839.487	269.762
2012	252643	92775.175	68521.826	24253.35	9.600	26.142	2960.61	1087.19	802.976	284.214
2013	256175	92345.780	66513.172	25832.61	10.084	27.974	2967.76	1069.82	770.548	299.268
2014	257393	91379.215	64203.423	27175.79	10.558	29.740	2947.05	1046.26	735.104	311.152
2015	259782	90750.242	62382.565	28367.68	10.920	31.259	3346.10	1168.90	803.514	365.388
2016	261453	88811.996	59036.260	29775.74	11.389	33.527	3336.15	1133.24	753.305	379.940
2017	263685	87325.126	56348.319	30976.81	11.748	35.473	3333.85	1104.08	712.429	391.650
2018	258714	87612.144	55518.413	32093.73	12.405	36.632	3240.73	1097.46	695.440	402.016
2019	261438	87797.760	54224.812	33572.95	12.842	38.239	3242.99	1089.08	672.628	416.454
2020	262288	87221.042	52824.378	34396.66	13.114	39.436	3715.29	1235.48	748.253	487.226
2021	255079	82001.292	47399.822	34601.47	13.565	42.196	3587.82	1153.39	666.702	486.687
2022	257097	81915.977	45866.353	36049.62	14.022	44.008	3588.53	1143.37	640.198	503.177
2023	259080	81810.810	44307.446	37503.36	14.476	45.842	3586.88	1132.64	613.423	519.222
2024	260719	81528.303	42784.564	38743.74	14.860	47.522	3579.65	1119.38	587.429	531.949
2025	257308	79599.213	40918.422	38680.79	15.033	48.594	4112.08	1272.09	653.924	618.164
2026	251528	75082.462	36630.326	38452.14	15.287	51.213	4003.24	1194.99	582.997	611.992
2027	250988	74444.425	34924.472	39519.95	15.746	53.087	3976.53	1179.46	553.326	626.135
2028	250285	73699.585	33145.261	40554.32	16.203	55.027	3945.35	1161.76	522.484	639.276
2029	249525	72819.703	31461.138	41358.57	16.575	56.796	3910.99	1141.36	493.113	648.243
2030	240528	69309.277	29443.015	39866.26	16.574	57.519	4504.36	1297.95	551.377	746.572
2031	235442	65433.368	26139.586	39293.78	16.689	60.052	4397.65	1222.18	488.242	733.939
2032	234017	64643.552	24684.399	39959.15	17.075	61.815	4356.12	1203.31	459.488	743.820
2033	232559	63793.514	23219.200	40574.31	17.447	63.603	4310.93	1182.54	430.413	752.124
2034	230963	63032.151	21837.388	41194.76	17.836	65.355	4260.75	1162.80	402.850	759.950
2035	215822	57653.301	19910.828	37742.47	17.488	65.465	4924.38	1315.47	454.304	861.167
2036	208183	52988.733	16655.858	36332.87	17.452	68.567	4748.94	1208.75	379.943	828.803
2037	205491	52026.921	15574.567	36452.35	17.739	70.064	4682.40	1185.50	354.887	830.616
2038	202834	50943.211	14399.822	36543.39	18.016	71.734	4612.18	1158.38	327.433	830.950
2039	200251	50085.991	13399.578	36686.41	18.320	73.247	4538.65	1135.19	303.699	831.492

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	3065988	2244988.113	1853496.843	391491.3	12.769	17.438	887.537	649.875	536.547	113.328

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	0.000	
1991	78462	62918.402	62899.683	18.719	0.024	0.030	1223.41	981.049	980.757	0.292
1992	77987	62366.766	62319.071	47.695	0.061	0.076	1195.35	955.930	955.199	0.731
1993	78542	62652.888	62556.032	96.856	0.123	0.155	1182.39	943.195	941.737	1.458
1994	77437	61565.227	61407.744	157.483	0.203	0.256	1144.00	909.520	907.194	2.327
1995	76904	60851.961	60611.532	240.429	0.313	0.395	1114.36	881.759	878.275	3.484
1996	76232	60122.922	59773.937	348.985	0.458	0.580	1087.44	857.643	852.665	4.978
1997	75473	59237.155	58766.569	470.586	0.624	0.794	1059.06	831.234	824.631	6.603
1998	75381	58906.696	58279.174	627.522	0.832	1.065	1040.37	813.001	804.340	8.661
1999	73159	56930.073	56139.320	790.753	1.081	1.389	993.781	773.329	762.588	10.741
2000	73784	57137.121	56119.207	1017.914	1.380	1.782	987.608	764.787	751.162	13.625
2001	73294	56481.726	55207.979	1273.747	1.738	2.255	968.273	746.169	729.342	16.827
2002	72442	55588.365	54031.960	1556.405	2.148	2.800	946.293	726.138	705.807	20.331
2003	71942	54945.856	53081.742	1864.114	2.591	3.393	929.989	710.281	686.184	24.097
2004	71301	54203.126	51975.871	2227.255	3.124	4.109	911.778	693.135	664.653	28.482
2005	70964	53744.603	51137.985	2606.619	3.673	4.850	896.937	679.296	646.350	32.946
2006	69658	52535.572	49502.340	3033.232	4.354	5.774	872.383	657.945	619.957	37.988
2007	68565	51492.124	48037.747	3454.376	5.038	6.709	849.888	638.264	595.445	42.818
2008	68226	51030.736	47059.042	3971.694	5.821	7.783	836.215	625.460	576.781	48.679
2009	67509	50276.199	45774.737	4501.461	6.668	8.953	817.667	608.943	554.422	54.522
2010	67196	49840.933	44827.296	5013.637	7.461	10.059	804.000	596.347	536.358	59.988
2011	66506	49072.841	43435.796	5637.045	8.476	11.487	787.880	581.354	514.573	66.781
2012	66155	48539.512	42259.395	6280.117	9.493	12.938	775.240	568.812	495.218	73.594
2013	65333	47675.741	40778.325	6897.416	10.557	14.467	756.876	552.318	472.412	79.906
2014	65033	47194.534	39677.531	7517.003	11.559	15.928	744.602	540.359	454.292	86.067
2015	64145	46305.842	38225.822	8080.020	12.596	17.449	826.215	596.439	492.365	104.074
2016	61618	44208.867	35734.126	8474.740	13.754	19.170	786.248	564.107	455.969	108.138
2017	59897	42702.624	33796.667	8905.957	14.869	20.856	757.297	539.903	427.302	112.601
2018	62468	44321.202	34124.823	10196.38	16.323	23.006	782.490	555.181	427.458	127.723
2019	63045	44493.088	33406.859	11086.23	17.585	24.917	782.035	551.912	414.393	137.518
2020	63466	44529.551	32621.912	11907.64	18.762	26.741	898.991	630.757	462.087	168.671
2021	57113	39852.556	28330.293	11522.26	20.175	28.912	803.323	560.546	398.480	162.066
2022	57440	39853.685	27440.471	12413.21	21.611	31.147	801.745	556.274	383.011	173.262
2023	57738	39847.050	26508.803	13338.25	23.101	33.474	799.366	551.670	367.006	184.664
2024	57942	39726.010	25560.229	14165.78	24.448	35.659	795.539	545.435	350.940	194.495
2025	57521	39207.348	24444.076	14763.27	25.666	37.654	919.257	626.579	390.645	235.934
2026	51428	34803.960	20921.885	13882.07	26.993	39.886	818.510	553.929	332.986	220.943
2027	51172	34484.595	19886.428	14598.17	28.528	42.332	810.740	546.357	315.071	231.286
2028	50870	34100.638	18810.174	15290.46	30.058	44.839	801.884	537.544	296.513	241.030
2029	50540	33669.838	17786.034	15883.80	31.428	47.175	792.146	527.732	278.774	248.959
2030	49109	32557.688	16601.084	15956.60	32.492	49.010	919.662	609.705	310.887	298.818
2031	43585	28646.393	13942.332	14704.06	33.736	51.330	814.096	535.065	260.418	274.646
2032	43163	28227.160	13101.372	15125.79	35.044	53.586	803.454	525.435	243.876	281.559
2033	42725	27786.623	12250.098	15536.53	36.364	55.914	791.996	515.079	227.079	288.000
2034	42256	27348.299	11440.735	15907.56	37.646	58.167	779.523	504.514	211.056	293.458
2035	39748	25570.077	10378.566	15191.51	38.219	59.411	906.933	583.430	236.807	346.623
2036	34030	21717.319	8149.981	13567.34	39.869	62.472	776.269	495.402	185.912	309.490
2037	33454	21256.024	7576.499	13679.52	40.891	64.356	762.289	484.347	172.641	311.706
2038	32883	20747.175	6964.774	13782.40	41.913	66.430	747.720	471.764	158.370	313.394
2039	32325	20327.688	6447.049	13880.64	42.941	68.284	732.644	460.724	146.121	314.602

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6360041	1098877.421	624593.170	474284.3	7.457	43.161	1841.09	318.101	180.806	137.295

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000	
1991	168044	37309.838	37156.750	153.088	0.091	0.410	2620.21	581.750	579.363	2.387
1992	164548	36137.488	35721.540	415.948	0.253	1.151	2522.12	553.899	547.524	6.375
1993	164362	35599.588	34812.416	787.172	0.479	2.211	2474.35	535.926	524.076	11.850
1994	159866	34336.757	33107.167	1229.590	0.769	3.581	2361.75	507.267	489.101	18.165
1995	158083	33455.759	31685.121	1770.638	1.120	5.292	2290.66	484.782	459.125	25.657
1996	154875	32193.824	29837.509	2356.315	1.521	7.319	2209.26	459.239	425.627	33.612
1997	149970	30665.509	27718.127	2947.383	1.965	9.611	2104.43	430.308	388.950	41.359
1998	145407	29188.430	25661.754	3526.676	2.425	12.082	2006.83	402.844	354.171	48.673
1999	165952	33375.386	28331.783	5043.603	3.039	15.112	2254.27	453.366	384.855	68.512
2000	160260	32024.754	26226.916	5797.839	3.618	18.104	2145.10	428.655	351.050	77.605
2001	154444	30682.393	24067.540	6614.853	4.283	21.559	2040.33	405.339	317.952	87.388
2002	151887	30218.370	22619.774	7598.596	5.003	25.146	1984.06	394.736	295.477	99.259
2003	146733	29175.202	20783.122	8392.080	5.719	28.764	1896.81	377.146	268.662	108.484
2004	138381	27488.687	18577.846	8910.842	6.439	32.416	1769.58	351.518	237.568	113.949
2005	135881	27017.439	17329.635	9687.804	7.130	35.858	1717.44	341.482	219.035	122.447
2006	131922	26231.435	15756.394	10475.04	7.940	39.933	1652.16	328.517	197.330	131.187
2007	126502	25103.049	14177.534	10925.52	8.637	43.523	1568.04	311.161	175.736	135.426
2008	125859	24621.740	13116.229	11505.51	9.142	46.729	1542.60	301.777	160.760	141.018
2009	122428	23741.177	11892.101	11849.08	9.678	49.909	1482.84	287.552	144.037	143.516
2010	120537	23189.160	10930.097	12259.06	10.170	52.865	1442.22	277.458	130.779	146.680
2011	120221	22786.927	10010.314	12776.61	10.628	56.070	1424.23	269.951	118.590	151.361
2012	120927	22485.295	9258.424	13226.87	10.938	58.825	1417.09	263.495	108.495	155.000
2013	122648	22251.884	8581.769	13670.12	11.146	61.434	1420.86	257.786	99.419	158.367
2014	123229	21894.593	7919.711	13974.88	11.341	63.828	1410.92	250.685	90.678	160.007
2015	123774	21471.109	7322.092	14149.02	11.431	65.898	1594.26	276.557	94.312	182.245
2016	126218	21411.568	6780.938	14630.63	11.592	68.330	1610.55	273.213	86.525	186.687
2017	128265	21169.399	6290.141	14879.26	11.600	70.287	1621.69	267.651	79.528	188.123
2018	121429	19830.576	5403.162	14427.41	11.881	72.753	1521.05	248.404	67.682	180.722
2019	121832	19431.014	4948.383	14482.63	11.887	74.534	1511.26	241.031	61.382	179.649
2020	120811	18532.612	4482.610	14050.00	11.630	75.812	1711.27	262.513	63.496	199.017
2021	119407	18234.128	4037.702	14196.43	11.889	77.856	1679.51	256.472	56.792	199.680
2022	119438	17812.559	3660.930	14151.63	11.849	79.447	1667.10	248.626	51.099	197.527
2023	119445	17361.668	3313.087	14048.58	11.762	80.917	1653.68	240.367	45.869	194.498
2024	119305	16929.676	3026.902	13902.77	11.653	82.121	1638.05	232.443	41.559	190.884
2025	115685	15501.666	2658.876	12842.79	11.102	82.848	1848.78	247.735	42.492	205.243
2026	115073	15523.814	2435.732	13088.08	11.374	84.310	1831.46	247.072	38.766	208.306
2027	113989	15073.070	2220.330	12852.74	11.275	85.270	1805.98	238.810	35.178	203.632
2028	112855	14636.710	2007.901	12628.81	11.190	86.282	1778.98	230.725	31.651	199.074
2029	111718	14180.166	1829.430	12350.74	11.055	87.099	1751.04	222.256	28.674	193.582
2030	104851	12111.772	1535.341	10576.43	10.087	87.324	1963.54	226.816	28.752	198.064
2031	105289	12417.367	1449.616	10967.75	10.417	88.326	1966.62	231.935	27.076	204.858
2032	103879	12054.064	1326.003	10728.06	10.327	89.000	1933.67	224.381	24.683	199.698
2033	102485	11672.389	1202.731	10469.66	10.216	89.696	1899.76	216.370	22.295	194.075
2034	101070	11365.762	1122.452	10243.31	10.135	90.124	1864.51	209.673	20.707	188.966
2035	90820	8580.360	840.092	7740.268	8.523	90.209	2072.23	195.777	19.168	176.609
2036	92117	8948.841	807.545	8141.295	8.838	90.976	2101.31	204.135	18.421	185.714
2037	90327	8624.570	755.086	7869.483	8.712	91.245	2058.21	196.522	17.206	179.317
2038	88590	8315.017	695.183	7619.833	8.601	91.639	2014.42	189.073	15.808	173.265
2039	86921	8001.132	649.608	7351.523	8.458	91.881	1970.05	181.344	14.723	166.621

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1489699	149918.462	84005.863	65912.60	4.425	43.966	431.236	43.398	24.318	19.080

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4538.125	17.441	0.053	0.383	508.609	71.032	70.760	0.272
1992	32100	4453.572	4407.428	46.144	0.144	1.036	492.014	68.262	67.555	0.707
1993	32896	4462.473	4371.543	90.930	0.276	2.038	495.226	67.179	65.810	1.369
1994	33323	4499.513	4350.603	148.910	0.447	3.309	492.290	66.473	64.273	2.200
1995	33569	4472.774	4250.976	221.798	0.661	4.959	486.422	64.812	61.598	3.214
1996	33870	4406.878	4101.675	305.203	0.901	6.926	483.150	62.863	58.510	4.354
1997	33516	4288.158	3894.435	393.723	1.175	9.182	470.307	60.173	54.648	5.525
1998	32795	4120.148	3640.969	479.179	1.461	11.630	452.620	56.864	50.251	6.613
1999	33375	3982.443	3415.610	566.832	1.698	14.233	453.361	54.097	46.397	7.700
2000	33459	4021.411	3331.757	689.655	2.061	17.150	447.853	53.827	44.596	9.231
2001	32275	3848.092	3064.981	783.111	2.426	20.351	426.379	50.836	40.491	10.346
2002	31586	3783.081	2888.749	894.332	2.831	23.640	412.601	49.418	37.735	11.682
2003	30985	3754.415	2731.854	1022.561	3.300	27.236	400.541	48.533	35.314	13.219
2004	29884	3666.274	2539.325	1126.949	3.771	30.738	382.149	46.883	32.472	14.411
2005	28708	3589.688	2361.168	1228.520	4.279	34.224	362.850	45.371	29.844	15.528
2006	28188	3596.985	2222.343	1374.642	4.877	38.217	353.021	45.048	27.832	17.216
2007	28026	3560.798	2074.976	1485.822	5.302	41.727	347.392	44.137	25.720	18.417
2008	27128	3417.001	1873.036	1543.966	5.691	45.185	332.495	41.881	22.957	18.924
2009	27068	3394.390	1748.087	1646.302	6.082	48.501	327.847	41.113	21.173	19.940
2010	26911	3340.137	1621.576	1718.561	6.386	51.452	321.990	39.965	19.402	20.563
2011	26959	3285.435	1497.789	1787.646	6.631	54.411	319.377	38.922	17.744	21.744
2012	27057	3259.209	1383.493	1875.717	6.932	57.551	317.068	38.193	16.213	21.981
2013	27904	3274.703	1298.262	1976.441	7.083	60.355	323.265	37.937	15.040	22.897
2014	28792	3298.083	1218.932	2079.151	7.221	63.041	329.657	37.762	13.956	23.805
2015	29560	3244.406	1130.566	2113.840	7.151	65.153	380.745	41.789	14.562	27.227
2016	30513	3314.836	1067.632	2247.204	7.365	67.792	389.347	42.297	13.623	28.674
2017	31416	3333.314	999.089	2334.224	7.430	70.027	397.202	42.144	12.632	29.512
2018	29348	2925.242	821.944	2103.298	7.167	71.902	367.626	36.642	10.296	26.347
2019	29598	2864.628	749.165	2115.463	7.147	73.848	367.149	35.534	9.293	26.241
2020	29592	2730.366	671.746	2058.620	6.957	75.397	419.174	38.675	9.515	29.160
2021	30097	2647.911	607.473	2040.438	6.780	77.058	423.328	37.244	8.544	28.700
2022	30304	2586.165	549.440	2036.725	6.721	78.755	422.974	36.097	7.669	28.428
2023	30505	2517.960	495.683	2022.277	6.629	80.314	422.337	34.860	6.863	27.998
2024	30661	2454.161	451.606	2002.555	6.531	81.598	420.968	33.695	6.201	27.495
2025	30254	2275.364	394.613	1880.752	6.217	82.657	483.488	36.363	6.306	30.057
2026	30685	2183.166	353.660	1829.506	5.962	83.801	488.380	34.747	5.629	29.118
2027	30561	2112.345	321.868	1790.477	5.859	84.763	484.196	33.467	5.100	28.367
2028	30412	2046.677	290.402	1756.274	5.775	85.811	479.392	32.263	4.578	27.685
2029	30254	1977.671	261.626	1716.046	5.672	86.771	474.195	30.997	4.101	26.897
2030	29330	1744.457	220.628	1523.829	5.195	87.353	549.260	32.668	4.132	28.537
2031	28976	1653.738	195.777	1457.960	5.032	88.162	541.223	30.889	3.657	27.232
2032	28724	1603.120	177.048	1426.073	4.965	88.956	534.690	29.841	3.296	26.546
2033	28464	1548.245	160.285	1387.960	4.876	89.647	527.627	28.700	2.971	25.729
2034	28178	1511.985	148.480	1363.505	4.839	90.180	519.826	27.893	2.739	25.154
2035	26737	1239.866	117.092	1122.773	4.199	90.556	610.065	28.290	2.672	25.618
2036	25591	1182.522	105.280	1077.241	4.209	91.097	583.762	26.975	2.402	24.573
2037	25143	1134.483	98.611	1035.872	4.120	91.308	572.916	25.851	2.247	23.604
2038	24693	1093.537	91.031	1002.506	4.060	91.676	561.491	24.866	2.070	22.796
2039	24247	1047.905	84.259	963.646	3.974	91.959	549.553	23.751	1.910	21.841

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	742799.643	272806.9	12.216	26.861	646.447	293.996	215.024	78.972

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19208.319	7.317	0.021	0.038	531.576	299.618	299.504	0.114
1992	33942	19056.189	19039.968	16.222	0.048	0.085	520.248	292.085	291.836	0.249
1993	35913	20095.670	20061.270	34.400	0.096	0.171	540.645	302.526	302.008	0.518
1994	35074	19524.095	19469.269	54.826	0.156	0.281	518.158	288.435	287.625	0.810
1995	34669	19116.002	19031.131	84.871	0.245	0.444	502.362	276.995	275.765	1.230
1996	34582	18975.021	18855.132	119.889	0.347	0.632	493.306	270.675	268.965	1.710
1997	35267	19169.025	18998.501	170.523	0.484	0.890	494.878	268.986	266.593	2.393
1998	35675	19228.937	18994.915	234.022	0.656	1.217	492.368	265.388	262.158	3.230
1999	38516	20589.820	20271.724	318.096	0.826	1.545	523.195	279.689	275.368	4.321
2000	36283	19196.417	18804.852	391.566	1.079	2.040	485.652	256.946	251.705	5.241
2001	36281	19012.731	18513.871	498.860	1.375	2.624	479.301	251.174	244.583	6.590
2002	35983	18699.357	18086.235	613.122	1.704	3.279	470.038	244.265	236.256	8.009
2003	36205	18663.550	17926.182	737.368	2.037	3.951	468.019	241.262	231.730	9.532
2004	34611	17679.164	16819.340	859.824	2.484	4.863	442.596	226.076	215.081	10.995
2005	36826	18692.832	17609.640	1083.192	2.941	5.795	465.456	236.265	222.574	13.691
2006	34350	17308.564	16106.249	1202.315	3.500	6.946	430.192	216.769	201.711	15.058
2007	35326	17683.181	16235.530	1447.651	4.098	8.187	437.879	219.189	201.245	17.944
2008	38248	19006.374	17233.262	1773.112	4.636	9.329	468.788	232.952	211.220	21.732
2009	36902	18205.573	16230.608	1974.964	5.352	10.848	446.956	220.505	196.585	23.921
2010	37234	18237.758	16041.530	2196.229	5.898	12.042	445.505	218.215	191.937	26.278
2011	38093	18487.916	15918.280	2569.637	6.746	13.899	451.279	219.022	188.580	30.442
2012	38504	18491.158	15620.514	2870.645	7.455	15.524	451.211	216.689	183.050	33.640
2013	40290	19143.452	15854.816	3288.636	8.162	17.179	466.755	221.775	183.676	38.098
2014	40339	18992.005	15387.248	3604.757	8.936	18.980	461.866	217.451	176.178	41.273
2015	42303	19728.885	15704.084	4024.801	9.514	20.401	544.880	254.116	202.275	51.841
2016	43104	19876.724	15453.563	4423.161	10.262	22.253	550.009	253.628	197.188	56.440
2017	44107	20119.790	15262.421	4857.369	11.013	24.142	557.659	254.381	192.968	61.413
2018	45469	20535.123	15168.484	5366.639	11.803	26.134	569.564	257.229	190.005	67.224
2019	46963	21009.029	15120.405	5888.624	12.539	28.029	582.552	260.605	187.560	73.045
2020	48419	21428.512	15048.110	6380.402	13.177	29.775	685.853	303.533	213.155	90.378
2021	48463	21266.697	14424.355	6842.343	14.119	32.174	681.652	299.127	202.886	96.241
2022	49915	21663.568	14215.512	7448.056	14.921	34.381	696.712	302.378	198.419	103.959
2023	51391	22084.131	13989.872	8094.259	15.750	36.652	711.491	305.748	193.685	112.062
2024	52811	22418.456	13745.827	8672.629	16.422	38.685	725.093	307.804	188.729	119.075
2025	53848	22614.834	13420.856	9193.978	17.074	40.655	860.553	361.411	214.481	146.930
2026	54342	22571.522	12919.049	9652.472	17.763	42.764	864.886	359.241	205.615	153.626
2027	55267	22774.416	12495.846	10278.57	18.598	45.132	875.619	360.827	197.978	162.849
2028	56149	22915.561	12036.784	10878.78	19.375	47.473	885.102	361.228	189.741	171.487
2029	57014	22992.027	11584.048	11407.98	20.009	49.617	893.616	360.371	181.565	178.806
2030	57238	22895.360	11085.962	11809.40	20.632	51.580	1071.90	428.760	207.606	221.154
2031	57592	22715.871	10551.861	12164.01	21.121	53.549	1075.71	424.293	197.990	227.202
2032	58251	22759.207	10079.977	12679.23	21.767	55.710	1084.31	423.652	187.634	236.018
2033	58885	22786.258	9606.087	13180.17	22.383	57.843	1091.54	422.387	178.067	244.320
2034	59460	22806.106	9125.722	13680.38	23.008	59.986	1096.89	420.721	168.349	252.372
2035	58516	22262.998	8575.077	13687.92	23.392	61.483	1335.15	507.973	195.657	312.316
2036	56446	21140.051	7593.052	13547.00	24.000	64.082	1287.60	482.234	173.208	309.026
2037	56568	21011.845	7144.371	13867.47	24.515	65.998	1288.98	478.783	162.794	315.989
2038	56668	20787.483	6648.835	14138.65	24.950	68.015	1288.55	472.681	151.186	321.495
2039	56758	20709.267	6218.661	14490.61	25.531	69.972	1286.40	469.372	140.945	328.427

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13239547	4509390.583	3317930.426	1191460	8.999	26.422	3810.43	1305.37	954.924	350.447

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123802.877	196.566	0.063	0.159	4883.81	1933.45	1930.38	3.065
1992	308578	122014.015	121488.401	525.615	0.170	0.431	4729.73	1870.18	1862.11	8.062
1993	311716	122810.618	121802.568	1008.050	0.323	0.821	4692.61	1848.83	1833.63	15.196
1994	305707	119925.592	118337.791	1587.801	0.519	1.324	4516.17	1771.69	1748.19	23.504
1995	303237	117896.496	115584.276	2312.220	0.763	1.961	4393.76	1708.35	1674.76	33.590
1996	299580	115698.645	112577.395	3121.250	1.042	2.698	4273.09	1650.42	1605.76	44.661
1997	294258	113359.847	109391.436	3968.411	1.349	3.501	4128.58	1590.70	1534.81	55.888
1998	289305	111444.212	106596.495	4847.717	1.676	4.350	3992.08	1538.10	1470.91	67.185
1999	311074	114877.722	108186.860	6690.861	2.151	5.824	4224.48	1560.48	1469.21	91.271
2000	303886	112379.704	104521.254	7858.450	2.586	6.993	4066.10	1504.22	1398.53	105.685
2001	296426	110024.943	100904.116	9120.827	3.077	8.290	3914.19	1453.52	1332.40	121.118
2002	292070	108289.173	97689.672	10599.50	3.629	9.788	3812.97	1414.56	1275.34	139.221
2003	286082	106539.023	94600.518	11938.51	4.173	11.206	3695.41	1377.22	1221.98	155.240
2004	274439	103037.251	90004.342	13032.91	4.749	12.649	3506.25	1317.61	1149.90	167.711
2005	272700	103044.562	88548.623	14495.94	5.316	14.068	3442.97	1302.41	1117.97	184.442
2006	264496	99672.555	83712.822	15959.73	6.034	16.012	3308.22	1248.28	1047.05	201.231
2007	258863	97839.152	80669.505	17169.65	6.633	17.549	3203.86	1212.75	998.418	214.334
2008	259988	98075.852	79447.420	18628.43	7.165	18.994	3181.00	1202.07	972.054	230.017
2009	254512	95617.338	75830.470	19786.87	7.774	20.694	3076.50	1158.11	916.627	241.487
2010	252570	94607.988	73626.869	20981.12	8.307	22.177	3015.20	1131.98	878.962	253.022
2011	252570	93633.119	71089.659	22543.46	8.926	24.076	2984.60	1109.25	840.060	269.189
2012	253545	92775.175	68770.828	24004.35	9.467	25.874	2962.85	1087.19	803.635	283.555
2013	257206	92345.780	66785.463	25560.32	9.938	27.679	2970.47	1069.82	771.305	298.511
2014	258555	91379.215	64498.395	26880.82	10.397	29.417	2950.26	1046.26	735.964	310.293
2015	261094	90750.242	62702.132	28048.11	10.743	30.907	3348.90	1168.90	804.245	364.656
2016	262914	88811.996	59371.006	29440.99	11.198	33.150	3339.47	1133.24	754.116	379.129
2017	265309	87325.126	56699.944	30625.18	11.543	35.070	3337.75	1104.08	713.320	390.759
2018	260453	87612.144	55897.795	31714.35	12.177	36.199	3245.03	1097.46	696.440	401.016
2019	263358	87797.760	54629.717	33168.04	12.594	37.778	3247.97	1089.08	673.744	415.338
2020	264399	87221.042	53255.011	33966.03	12.846	38.942	3719.13	1235.48	749.104	486.375
2021	257301	82001.292	47820.090	34181.20	13.285	41.684	3592.12	1153.39	667.605	485.784
2022	259510	81915.977	46305.288	35610.69	13.722	43.472	3593.50	1143.37	641.200	502.175
2023	261697	81810.810	44764.189	37046.62	14.156	45.283	3592.58	1132.64	614.525	518.120
2024	263549	81528.303	43259.242	38269.06	14.521	46.940	3586.18	1119.38	588.640	530.738
2025	260342	79599.213	41408.180	38191.03	14.670	47.979	4116.63	1272.09	654.761	617.326
2026	254686	75082.462	37099.892	37982.57	14.914	50.588	4008.23	1194.99	583.875	611.113
2027	254347	74444.425	35402.998	39041.43	15.350	52.444	3982.34	1179.46	554.308	625.152
2028	253851	73699.585	33630.087	40069.50	15.785	54.369	3952.07	1161.76	523.567	638.192
2029	253305	72819.703	31951.076	40868.63	16.134	56.123	3918.67	1141.36	494.289	647.068
2030	244469	69309.277	29934.561	39374.72	16.106	56.810	4509.54	1297.95	552.182	745.768
2031	239494	65433.368	26598.694	38834.67	16.215	59.350	4403.06	1222.18	489.013	733.168
2032	238267	64643.552	25142.988	39500.56	16.578	61.105	4362.42	1203.31	460.343	742.966
2033	237008	63793.514	23674.744	40118.77	16.927	62.888	4318.18	1182.54	431.343	751.194
2034	235613	63032.151	22289.429	40742.72	17.292	64.638	4269.00	1162.80	403.856	758.944
2035	220498	57653.301	20350.505	37302.80	16.918	64.702	4930.55	1315.47	455.058	860.413
2036	212867	52988.733	17038.858	35949.88	16.888	67.844	4754.79	1208.75	380.596	828.149
2037	210318	52026.921	15949.768	36077.15	17.154	69.343	4688.99	1185.50	355.596	829.906
2038	207801	50943.211	14762.325	36180.89	17.411	71.022	4619.54	1158.38	328.176	830.207
2039	205356	50085.991	13750.788	36335.20	17.694	72.546	4546.81	1135.19	304.457	830.734

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3084606	2244988.113	1860947.403	384040.7	12.450	17.107	887.771	649.875	535.594	114.282

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62899.683	18.719	0.024	0.030	1223.41	981.049	980.757	0.292
1992	77987	62366.766	62319.270	47.495	0.061	0.076	1195.35	955.930	955.199	0.731
1993	78543	62652.888	62556.686	96.201	0.122	0.154	1182.39	943.195	941.736	1.459
1994	77439	61565.227	61409.257	155.970	0.201	0.253	1144.00	909.520	907.192	2.328
1995	76907	60851.961	60614.323	237.638	0.309	0.391	1114.35	881.759	878.271	3.488
1996	76238	60122.922	59778.649	344.272	0.452	0.573	1087.43	857.643	852.659	4.984
1997	75482	59237.155	58773.790	463.365	0.614	0.782	1059.05	831.234	824.624	6.611
1998	75395	58906.696	58289.731	616.965	0.818	1.047	1040.36	813.001	804.333	8.668
1999	73178	56930.073	56153.807	776.266	1.061	1.364	993.776	773.329	762.586	10.743
2000	73810	57137.121	56139.493	997.628	1.352	1.746	987.610	764.787	751.166	13.621
2001	73329	56481.726	55234.800	1246.926	1.700	2.208	968.287	746.169	729.355	16.815
2002	72488	55588.365	54066.469	1521.897	2.100	2.738	946.330	726.138	705.836	20.302
2003	72000	54945.856	53124.961	1820.895	2.529	3.314	930.050	710.281	686.230	24.051
2004	71373	54203.126	52028.707	2174.418	3.047	4.012	911.870	693.135	664.722	28.413
2005	71052	53744.603	51201.536	2543.067	3.579	4.732	897.069	679.296	646.446	32.850
2006	69762	52535.572	49576.552	2959.019	4.242	5.632	872.563	657.945	620.085	37.860
2007	68688	51492.124	48123.485	3368.639	4.904	6.542	850.123	638.264	595.607	42.656
2008	68370	51030.736	47157.965	3872.770	5.664	7.589	836.519	625.460	576.986	48.474
2009	67675	50276.199	45887.138	4389.060	6.485	8.730	818.051	608.943	554.677	54.267
2010	67387	49840.933	44954.133	4886.799	7.252	9.805	804.471	596.347	536.665	59.682
2011	66722	49072.841	43576.200	5496.641	8.238	11.201	788.448	581.354	514.936	66.418
2012	66398	48539.512	42414.018	6125.494	9.225	12.620	775.909	568.812	495.637	73.175
2013	65604	47675.741	40946.549	6729.191	10.257	14.114	757.657	552.318	472.891	79.427
2014	65335	47194.534	39861.082	7333.452	11.224	15.539	745.510	540.359	454.838	85.521
2015	64477	46305.842	38422.995	7882.847	12.226	17.023	727.015	526.439	429.830	103.609
2016	61971	44208.867	35938.132	8270.734	13.346	18.708	787.142	564.107	456.477	107.630
2017	60274	42702.624	34008.690	8693.934	14.424	20.359	758.288	539.903	427.850	112.052
2018	62899	44321.202	34359.844	9961.358	15.837	22.475	783.671	555.181	428.095	127.085
2019	63520	44493.088	33658.262	10834.83	17.057	24.352	783.390	551.912	415.104	136.807
2020	63988	44529.551	32889.625	11639.93	18.191	26.140	900.080	630.757	462.637	168.120
2021	57623	39852.556	28583.185	11269.37	19.557	28.278	804.461	560.546	399.043	161.503
2022	57993	39853.685	27704.804	12148.88	20.949	30.484	803.043	556.274	383.635	172.639
2023	58336	39847.050	26783.813	13063.24	22.393	32.783	800.838	551.670	367.689	183.981
2024	58587	39726.010	25845.547	13880.46	23.692	34.940	797.203	545.435	351.687	193.748
2025	58212	39207.348	24738.025	14469.32	24.856	36.905	920.468	626.579	391.167	235.412
2026	52087	34803.960	21191.345	13612.62	26.135	39.112	819.736	553.929	333.508	220.421
2027	51871	34484.595	20160.096	14324.50	27.616	41.539	812.144	546.357	315.649	230.708
2028	51610	34100.638	19086.422	15014.22	29.092	44.029	803.480	537.544	297.146	240.398
2029	51321	33669.838	18064.105	15605.73	30.408	46.349	793.945	527.732	279.455	248.277
2030	49925	32557.688	16878.935	15678.75	31.405	48.157	920.924	609.705	311.354	298.352
2031	44344	28646.393	14187.711	14458.68	32.606	50.473	815.261	535.065	260.839	274.226
2032	43956	28227.160	13345.223	14881.94	33.857	52.722	804.787	525.435	244.338	281.097
2033	43553	27786.623	12490.831	15295.79	35.120	55.047	793.508	515.079	227.577	287.502
2034	43117	27348.299	11677.941	15670.36	36.344	57.299	781.220	504.514	211.589	292.925
2035	40616	25570.077	10607.864	14962.21	36.838	58.515	908.224	583.430	237.202	346.228
2036	34797	21717.319	8336.794	13380.53	38.453	61.612	777.257	495.402	186.219	309.183
2037	34241	21256.024	7758.392	13497.63	39.420	63.500	763.394	484.347	172.972	311.375
2038	33690	20747.175	7139.460	13607.71	40.391	65.588	748.947	471.764	158.715	313.049
2039	33151	20327.688	6615.341	13712.35	41.364	67.456	733.993	460.724	146.471	314.253

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6400423	1098877.421	625733.093	473144.3	7.392	43.057	1842.09	318.101	180.090	138.011

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	37156.750	153.088	0.091	0.410	2620.21	581.750	579.363	2.387
1992	164548	36137.488	35721.668	415.820	0.253	1.151	2522.12	553.899	547.524	6.375
1993	164364	35599.588	34812.852	786.735	0.479	2.210	2474.35	535.926	524.077	11.850
1994	159870	34336.757	33108.161	1228.596	0.768	3.578	2361.73	507.267	489.103	18.164
1995	158090	33455.759	31686.935	1768.824	1.119	5.287	2290.64	484.782	459.128	25.654
1996	154886	32193.824	29840.404	2353.421	1.519	7.310	2209.23	459.239	425.632	33.607
1997	149987	30665.509	27722.337	2943.173	1.962	9.598	2104.38	430.308	388.957	41.351
1998	145431	29188.430	25667.439	3520.992	2.421	12.063	2006.78	402.844	354.182	48.662
1999	165991	33375.386	28340.627	5034.759	3.033	15.085	2254.21	453.366	384.874	68.492
2000	160314	32024.754	26238.345	5786.409	3.609	18.069	2145.05	428.655	351.078	77.577
2001	154514	30682.393	24081.485	6600.908	4.272	21.514	2040.30	405.339	317.987	87.352
2002	151978	30218.370	22636.705	7581.664	4.989	25.090	1984.07	394.736	295.522	99.214
2003	146847	29175.202	20802.760	8372.442	5.701	28.697	1896.86	377.146	268.715	108.430
2004	138516	27488.687	18599.572	8889.116	6.417	32.337	1769.69	351.518	237.629	113.889
2005	136044	27017.439	17354.151	9663.288	7.103	35.767	1717.62	341.482	219.105	122.377
2006	132114	26231.435	15782.924	10448.51	7.909	39.832	1652.43	328.517	197.407	131.110
2007	126723	25103.049	14205.710	10897.34	8.599	43.410	1568.41	311.161	175.819	135.342
2008	126118	24621.740	13146.501	11475.24	9.099	46.606	1543.08	301.777	160.850	140.928
2009	122723	23741.177	11923.773	11817.40	9.629	49.776	1483.46	287.552	144.133	143.420
2010	120871	23189.160	10963.212	12225.95	10.115	52.723	1442.97	277.458	130.879	146.579
2011	120601	22786.927	10044.635	12742.29	10.566	55.919	1425.14	269.951	118.697	151.255
2012	121362	22485.295	9294.099	13191.20	10.869	58.666	1418.20	263.495	108.608	154.887
2013	123144	22251.884	8618.630	13633.25	11.071	61.268	1422.19	257.786	99.536	158.249
2014	123787	21894.593	7957.560	13937.03	11.259	63.655	1412.48	250.685	90.800	159.884
2015	124400	21471.109	7360.911	14110.20	11.343	65.717	1595.61	276.557	94.414	182.143
2016	126924	21411.568	6820.533	14591.04	11.496	68.146	1612.16	273.213	86.633	186.580
2017	129055	21169.399	6330.434	14838.97	11.498	70.096	1623.59	267.651	79.641	188.011
2018	122239	19830.576	5440.509	14390.07	11.772	72.565	1523.00	248.404	67.784	180.620
2019	122719	19431.014	4985.509	14445.51	11.771	74.343	1513.48	241.031	61.486	179.545
2020	121776	18532.612	4519.450	14013.16	11.507	75.614	1712.95	262.513	63.572	198.941
2021	120434	18234.128	4073.261	14160.87	11.758	77.661	1681.35	256.472	56.866	199.606
2022	120544	17812.559	3695.508	14117.05	11.711	79.253	1669.20	248.626	51.173	197.453
2023	120633	17361.668	3346.598	14015.07	11.618	80.724	1656.06	240.367	45.942	194.425
2024	120578	16929.676	3059.649	13870.03	11.503	81.927	1640.74	232.443	41.633	190.810
2025	117034	15501.666	2690.336	12811.33	10.947	82.645	1850.59	247.735	42.541	205.194
2026	116494	15523.814	2465.957	13057.86	11.209	84.115	1833.37	247.072	38.809	208.263
2027	115486	15073.070	2249.615	12823.46	11.104	85.075	1808.18	238.810	35.222	203.588
2028	114430	14636.710	2035.928	12600.78	11.012	86.090	1781.50	230.725	31.696	199.029
2029	113373	14180.166	1856.233	12323.93	10.870	86.910	1753.90	222.256	28.716	193.540
2030	106546	12111.772	1560.162	10551.61	9.903	87.119	1965.38	226.816	28.779	198.037
2031	107071	12417.367	1473.794	10943.57	10.221	88.131	1968.49	231.935	27.095	204.839
2032	105731	12054.064	1349.136	10704.93	10.125	88.808	1935.83	224.381	24.701	199.679
2033	104406	11672.389	1224.674	10447.71	10.007	89.508	1902.24	216.370	22.313	194.057
2034	103059	11365.762	1143.726	10222.04	9.919	89.937	1867.29	209.673	20.723	188.950
2035	92763	8580.360	857.999	7722.361	8.325	90.000	2074.27	195.777	19.186	176.592
2036	94156	8948.841	825.138	8123.703	8.628	90.779	2103.15	204.135	18.431	185.704
2037	92411	8624.570	772.241	7852.329	8.497	91.046	2060.27	196.522	17.217	179.305
2038	90717	8315.017	711.544	7603.472	8.382	91.443	2016.71	189.073	15.818	173.255
2039	89091	8001.132	665.289	7335.843	8.234	91.685	1972.57	181.344	14.730	166.614

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop		NULL	Ecig	Drop			
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1500499	149918.462	84175.846	65742.62	4.381	43.852	431.854	43.398	24.226	19.172

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop		NULL	Ecig	Drop			
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4538.125	17.441	0.053	0.383	508.609	71.032	70.760	0.272
1992	32100	4453.572	4407.445	46.127	0.144	1.036	492.014	68.262	67.555	0.707
1993	32896	4462.473	4371.603	90.870	0.276	2.036	495.224	67.179	65.811	1.369
1994	33324	4499.513	4350.746	148.767	0.446	3.306	492.287	66.473	64.273	2.200
1995	33570	4472.774	4251.245	221.529	0.660	4.953	486.416	64.812	61.598	3.213
1996	33872	4406.878	4102.117	304.761	0.900	6.916	483.139	62.863	58.511	4.352
1997	33519	4288.158	3895.091	393.067	1.173	9.166	470.291	60.173	54.650	5.523
1998	32800	4120.148	3641.868	478.280	1.458	11.608	452.600	56.864	50.254	6.611
1999	33382	3982.443	3416.767	565.675	1.695	14.204	453.334	54.097	46.401	7.696
2000	33469	4021.411	3333.338	688.073	2.056	17.110	447.823	53.827	44.601	9.226
2001	32288	3848.092	3066.895	781.198	2.419	20.301	426.348	50.836	40.497	10.339
2002	31603	3783.081	2891.084	891.997	2.823	23.579	412.573	49.418	37.743	11.675
2003	31006	3754.415	2734.610	1019.805	3.289	27.163	400.516	48.533	35.324	13.209
2004	29910	3666.274	2542.496	1123.778	3.757	30.652	382.133	46.883	32.483	14.400
2005	28739	3589.688	2364.726	1224.962	4.262	34.124	362.849	45.371	29.856	15.515
2006	28226	3596.985	2226.321	1370.664	4.856	38.106	353.038	45.048	27.846	17.202
2007	28071	3560.798	2079.320	1481.477	5.278	41.605	347.428	44.137	25.735	18.402
2008	27180	3417.001	1877.564	1539.438	5.664	45.052	332.552	41.881	22.972	18.908
2009	27129	3394.390	1752.936	1641.454	6.051	48.358	327.929	41.113	21.189	19.924
2010	26981	3340.137	1626.681	1713.456	6.351	51.299	322.103	39.965	19.419	20.545
2011	27040	3285.435	1503.131	1782.304	6.591	54.249	319.525	38.922	17.762	21.159
2012	27149	3259.209	1388.973	1870.236	6.889	57.383	317.259	38.193	16.231	21.962
2013	28012	3274.703	1303.995	1970.707	7.035	60.180	323.508	37.937	15.060	22.877
2014	28917	3298.083	1224.866	2073.217	7.170	62.861	329.954	37.762	13.976	23.785
2015	29704	3244.406	1136.690	2107.716	7.096	64.965	380.994	41.789	14.580	27.210
2016	30678	3314.836	1073.955	2240.882	7.305	67.602	389.659	42.297	13.641	28.656
2017	31603	3333.314	1005.557	2327.757	7.366	69.833	397.585	42.144	12.651	29.494
2018	29542	2925.242	827.786	2097.456	7.100	71.702	368.063	36.642	10.314	26.329
2019	29811	2864.628	754.921	2109.707	7.077	73.647	367.661	35.534	9.310	26.224
2020	29827	2730.366	677.405	2052.962	6.883	75.190	419.553	38.675	9.529	29.147
2021	30356	2647.911	612.971	2034.939	6.704	76.851	423.795	37.244	8.558	28.687
2022	30585	2586.165	554.756	2031.409	6.642	78.549	423.520	36.097	7.682	28.416
2023	30811	2517.960	500.803	2017.157	6.547	80.111	422.972	34.860	6.875	27.985
2024	30991	2454.161	456.581	1997.579	6.446	81.396	421.702	33.695	6.213	27.483
2025	30608	2275.364	399.359	1876.005	6.129	82.449	483.983	36.363	6.315	30.048
2026	31070	2183.166	358.158	1825.008	5.874	83.595	488.970	34.747	5.637	29.110
2027	30970	2112.345	326.208	1786.137	5.767	84.557	484.893	33.467	5.107	28.359
2028	30845	2046.677	294.532	1752.145	5.680	85.609	480.208	32.263	4.585	27.677
2029	30713	1977.671	265.524	1712.148	5.575	86.574	475.138	30.997	4.108	26.890
2030	29810	1744.457	224.223	1520.234	5.100	87.147	549.878	32.668	4.136	28.532
2031	29477	1653.738	199.102	1454.635	4.935	87.960	541.938	30.889	3.660	27.228
2032	29250	1603.120	180.183	1422.937	4.865	88.760	535.531	29.841	3.299	26.542
2033	29013	1548.245	163.242	1385.002	4.774	89.456	528.600	28.700	2.974	25.726
2034	28751	1511.985	151.330	1360.654	4.732	89.991	520.938	27.893	2.742	25.151
2035	27319	1239.866	119.567	1120.299	4.101	90.356	610.885	28.290	2.674	25.616
2036	26175	1182.522	107.578	1074.944	4.107	90.903	584.669	26.975	2.403	24.572
2037	25743	1134.483	100.852	1033.631	4.015	91.110	573.933	25.851	2.248	23.602
2038	25308	1093.537	93.168	1000.368	3.953	91.480	562.622	24.866	2.071	22.794
2039	24877	1047.905	86.285	961.620	3.866	91.766	550.800	23.751	1.910	21.840

Results for PHIM for Run 5 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2254019	1015606.587	747074.084	268532.5	11.913	26.441	648.723	293.996	215.013	78.983

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19208.319	7.317	0.021	0.038	531.576	299.618	299.504	0.114
1992	33942	19056.189	19040.017	16.172	0.048	0.085	520.247	292.085	291.836	0.249
1993	35913	20095.670	20061.427	34.242	0.095	0.170	540.643	302.526	302.007	0.519
1994	35075	19524.095	19469.627	54.467	0.155	0.279	518.154	288.435	287.623	0.812
1995	34670	19116.002	19031.774	84.228	0.243	0.441	502.353	276.995	275.761	1.235
1996	34584	18975.021	18856.225	118.796	0.344	0.626	493.292	270.675	268.958	1.718
1997	35270	19169.025	19000.218	168.806	0.479	0.881	494.856	268.986	266.582	2.404
1998	35680	19228.937	18997.458	231.480	0.649	1.204	492.339	265.388	262.144	3.245
1999	38523	20589.820	20275.659	314.161	0.816	1.526	523.159	279.689	275.350	4.339
2000	36293	19196.417	18810.077	386.340	1.065	2.013	485.612	256.946	251.685	5.261
2001	36295	19012.731	18520.936	491.795	1.355	2.587	479.257	251.174	244.562	6.612
2002	36001	18699.357	18095.413	603.944	1.678	3.230	469.992	244.265	236.235	8.030
2003	36229	18663.550	17938.187	725.363	2.002	3.887	467.980	241.262	231.713	9.550
2004	34640	17679.164	16833.566	845.597	2.441	4.783	442.563	226.076	215.067	11.010
2005	36865	18692.832	17628.210	1064.622	2.888	5.695	465.433	236.265	222.565	13.700
2006	34394	17308.564	16127.025	1181.538	3.435	6.826	430.188	216.769	201.711	15.058
2007	35381	17683.181	16260.989	1422.192	4.020	8.043	437.903	219.189	201.257	17.933
2008	38319	19006.374	17265.390	1740.984	4.543	9.160	468.846	232.952	211.245	21.707
2009	36984	18205.573	16266.623	1938.949	5.243	10.650	447.059	220.505	196.628	23.877
2010	37330	18237.758	16082.842	2154.916	5.773	11.816	445.651	218.215	191.998	26.217
2011	38207	18487.916	15965.693	2522.223	6.601	13.643	451.487	219.022	188.665	30.357
2012	38636	18491.158	15673.737	2817.421	7.292	15.237	451.484	216.689	183.158	33.531
2013	40447	19143.452	15916.288	3227.165	7.979	16.858	467.118	221.775	183.817	37.958
2014	40517	18992.005	15454.888	3537.117	8.730	18.624	462.318	217.451	176.349	41.102
2015	42513	19728.885	15781.537	3947.348	9.285	20.008	545.284	254.116	202.421	51.695
2016	43341	19876.724	15538.386	4338.338	10.010	21.826	550.511	253.628	197.365	56.263
2017	44376	20119.790	15355.264	4764.526	10.737	23.681	558.281	254.381	193.179	61.202
2018	45774	20535.123	15269.656	5265.468	11.503	25.641	570.300	257.229	190.247	66.982
2019	47308	21009.029	15231.025	5778.005	12.214	27.502	583.441	260.605	187.843	72.762
2020	48808	21428.512	15168.531	6259.981	12.826	29.213	686.551	303.533	213.366	90.167
2021	48888	21266.697	14550.674	6716.024	13.738	31.580	682.513	299.127	203.139	95.988
2022	50388	21663.568	14350.220	7313.348	14.514	33.759	697.741	302.378	198.711	103.667
2023	51916	22084.131	14132.975	7951.156	15.315	36.004	712.711	305.748	194.018	111.730
2024	53393	22418.456	13897.464	8520.992	15.959	38.009	726.531	307.804	189.107	118.697
2025	54488	22614.834	13580.460	9034.374	16.580	39.949	861.587	361.411	214.739	146.672
2026	55036	22571.522	13084.432	9487.090	17.238	42.031	866.146	359.241	205.922	153.319
2027	56021	22774.416	12667.079	10107.34	18.042	44.380	877.122	360.827	198.330	162.497
2028	56967	22915.561	12213.204	10702.36	18.787	46.703	886.879	361.228	190.140	171.088
2029	57898	22992.027	11765.215	11226.81	19.391	48.829	895.693	360.371	182.010	178.361
2030	58188	22895.360	11271.242	11624.12	19.977	50.771	1073.36	428.760	207.913	220.847
2031	58601	22715.871	10738.087	11977.78	20.440	52.729	1077.37	424.293	197.418	226.875
2032	59330	22759.207	10268.446	12490.76	21.053	54.882	1086.27	423.652	188.005	235.647
2033	60036	22786.258	9795.997	12990.26	21.637	57.009	1093.84	422.387	178.479	243.909
2034	60686	22806.106	9316.431	13489.68	22.229	59.149	1099.55	420.721	168.802	251.919
2035	59799	22262.998	8765.074	13497.92	22.572	60.629	1337.17	507.973	195.996	311.977
2036	57739	21140.051	7769.349	13370.70	23.157	63.248	1289.72	482.234	173.544	308.690
2037	57923	21011.845	7318.284	13693.56	23.641	65.171	1291.38	478.783	163.159	315.623
2038	58085	20787.483	6818.152	13969.33	24.050	67.201	1291.27	472.681	151.572	321.109
2039	58238	20709.267	6383.873	14325.39	24.598	69.174	1289.45	469.372	141.346	328.026

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Control File Details for Run: 6

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S2C
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_2
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 6, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 6, Scenario: Ecig

Variable Parameter		Value									
1. Country		US (United States)									
2. Sex		F (Females)									
3. Assumption Set		S2C									
Note:		Period is in Months									
Age	Period	Initiation			Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual	
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000	
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000	
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000	
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000	
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000	
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000	
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000	
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000	
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000	
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000	
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000	
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000	
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000	
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000	
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000	
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000	
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000	
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000	
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000	
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000	
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000	
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000	
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000	
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000	
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000	
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000	
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000	
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000	
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000	
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000	
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000	
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000	
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000	
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000	
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000	
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000	
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000	
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000	
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000	
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000	
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000	
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000	
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000	
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000	
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000	
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000	
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000	
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000	
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000	
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000	
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000	
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000	
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000	
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000	
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000	
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000	
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000	
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000	
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000	
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000	

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

25-29	253+	0.008145	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.007936	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.006975	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.006830	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.006338	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.005574	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.003011	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.002115	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000281	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 6, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages

Period	Age Group	Smoking Group	N	%
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50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19

Period	Age Group	Smoking Group	N	%
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50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24

Period	Age Group	Smoking Group	N	%
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50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29

Period	Age Group	Smoking Group	N	%
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50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34

Period	Age Group	Smoking Group	N	%
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50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39

Period	Age Group	Smoking Group	N	%
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50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44

Period	Age Group	Smoking Group	N	%
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50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49

Period	Age Group	Smoking Group	N	%
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50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54

Period	Age Group	Smoking Group	N	%
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50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59

Period	Age Group	Smoking Group	N	%
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50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64

Period	Age Group	Smoking Group	N	%
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Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 6, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			F (Females)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	15067	16.44	0	0.00			
5	All Ages	Ecig	7277	7.94					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18408	20.09			14.18	1138	6.18
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	284	8.94	0	0.00			
5	18-19	Ecig	389	12.25					
5	18-19	Dual	0	0.00					
5	18-19	Former	69	2.17			1.04	46	66.67
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	1220	14.61	0	0.00			
5	20-24	Ecig	892	10.68					
5	20-24	Dual	0	0.00					
5	20-24	Former	444	5.32			3.21	104	23.42
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	1528	17.38	0	0.00			
5	25-29	Ecig	944	10.74					
5	25-29	Dual	0	0.00					
5	25-29	Former	1008	11.46			5.98	55	5.46
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

5	30-34	Never Any	5304	52.63					
5	30-34	CC	1922	19.07	0	0.00			
5	30-34	Ecig	1237	12.27					
5	30-34	Dual	0	0.00					
5	30-34	Former	1615	16.03			8.12	71	4.40
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	2029	19.33	0	0.00			
5	35-39	Ecig	1165	11.10					
5	35-39	Dual	0	0.00					
5	35-39	Former	2027	19.31			8.86	54	2.66
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1610	16.77	0	0.00			
5	40-44	Ecig	861	8.97					
5	40-44	Dual	0	0.00					
5	40-44	Former	2111	21.99			12.00	83	3.93
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	1404	16.52	0	0.00			
5	45-49	Ecig	713	8.39					
5	45-49	Dual	0	0.00					
5	45-49	Former	2024	23.82			10.84	136	6.72
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	1067	16.32	0	0.00			
5	50-54	Ecig	508	7.77					
5	50-54	Dual	0	0.00					
5	50-54	Former	1845	28.23			14.99	143	7.75
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	1039	18.77	0	0.00			
5	55-59	Ecig	296	5.35					
5	55-59	Dual	0	0.00					
5	55-59	Former	1515	27.38			15.70	106	7.00
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	900	17.10	0	0.00			
5	60-64	Ecig	174	3.31					
5	60-64	Dual	0	0.00					
5	60-64	Former	1458	27.70			19.17	88	6.04
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	866	15.68	0	0.00			
5	65-69	Ecig	88	1.59					
5	65-69	Dual	0	0.00					
5	65-69	Former	1492	27.01			19.11	102	6.84
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	743	14.01	0	0.00			
5	70-74	Ecig	10	0.19					
5	70-74	Dual	0	0.00					
5	70-74	Former	1508	28.44			22.14	87	5.77
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	455	10.14	0	0.00			
5	75-79	Ecig	0	0.00					
5	75-79	Dual	0	0.00					
5	75-79	Former	1292	28.81			26.18	63	4.88
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	9107	9.91	0	0.00			
10	All Ages	Ecig	11109	12.09					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21269	23.14			15.11	1666	7.83
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	604	7.62	0	0.00			
10	20-24	Ecig	1529	19.28					
10	20-24	Dual	0	0.00					
10	20-24	Former	669	8.44			3.45	190	28.40
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	722	8.65	0	0.00			
10	25-29	Ecig	1367	16.37					
10	25-29	Dual	0	0.00					
10	25-29	Former	768	9.20			5.60	115	14.97
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	856	9.74	0	0.00			
10	30-34	Ecig	1469	16.71					
10	30-34	Dual	0	0.00					
10	30-34	Former	1254	14.26			9.20	94	7.50
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	1115	11.06	0	0.00			
10	35-39	Ecig	1829	18.15					
10	35-39	Dual	0	0.00					
10	35-39	Former	1850	18.36			11.67	116	6.27
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	1227	11.69	0	0.00			
10	40-44	Ecig	1671	15.92					
10	40-44	Dual	0	0.00					
10	40-44	Former	2323	22.13			12.30	144	6.20
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	949	9.89	0	0.00			
10	45-49	Ecig	1174	12.23					
10	45-49	Dual	0	0.00					
10	45-49	Former	2459	25.61			14.84	164	6.67
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	772	9.09	0	0.00			
10	50-54	Ecig	923	10.86					
10	50-54	Dual	0	0.00					
10	50-54	Former	2446	28.79			13.44	174	7.11
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	614	9.39	0	0.00			
10	55-59	Ecig	584	8.94					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2222	34.00			16.93	149	6.71
10	60-64	Never Any		2684	48.50					
10	60-64	CC		661	11.94	0	0.00			
10	60-64	Ecig		324	5.85					
10	60-64	Dual		0	0.00					
10	60-64	Former		1865	33.70			17.15	151	8.10
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		581	11.04	0	0.00			
10	65-69	Ecig		167	3.17					
10	65-69	Dual		0	0.00					
10	65-69	Former		1784	33.89			20.11	125	7.01
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		558	10.10	0	0.00			
10	70-74	Ecig		65	1.18					
10	70-74	Dual		0	0.00					
10	70-74	Former		1823	33.00			20.08	140	7.68
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		448	8.45	0	0.00			
10	75-79	Ecig		7	0.13					
10	75-79	Dual		0	0.00					
10	75-79	Former		1806	34.06			23.01	104	5.76
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		5445	6.29	0	0.00			
15	All Ages	Ecig		12030	13.89					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		22128	25.55			17.30	976	4.41
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		357	4.50	0	0.00			
15	25-29	Ecig		1740	21.94					
15	25-29	Dual		0	0.00					
15	25-29	Former		973	12.27			6.53	105	10.79
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		416	4.98	0	0.00			
15	30-34	Ecig		1554	18.61					
15	30-34	Dual		0	0.00					
15	30-34	Former		973	11.65			8.80	72	7.40
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		503	5.72	0	0.00			

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15	35-39	Ecig	1666	18.95					
15	35-39	Dual	0	0.00					
15	35-39	Former	1435	16.32			12.67	72	5.02
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	674	6.69	0	0.00			
15	40-44	Ecig	2016	20.00					
15	40-44	Dual	0	0.00					
15	40-44	Former	2104	20.88			14.90	112	5.32
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	757	7.21	0	0.00			
15	45-49	Ecig	1840	17.53					
15	45-49	Dual	0	0.00					
15	45-49	Former	2624	24.99			15.54	129	4.92
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	583	6.07	0	0.00			
15	50-54	Ecig	1253	13.05					
15	50-54	Dual	0	0.00					
15	50-54	Former	2746	28.60			18.00	98	3.57
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	510	6.00	0	0.00			
15	55-59	Ecig	955	11.24					
15	55-59	Dual	0	0.00					
15	55-59	Former	2676	31.49			17.05	80	2.99
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	423	6.47	0	0.00			
15	60-64	Ecig	550	8.41					
15	60-64	Dual	0	0.00					
15	60-64	Former	2447	37.44			20.10	98	4.00
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	457	8.26	0	0.00			
15	65-69	Ecig	276	4.99					
15	65-69	Dual	0	0.00					
15	65-69	Former	2117	38.25			19.81	70	3.31
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	387	7.35	0	0.00			
15	70-74	Ecig	131	2.49					
15	70-74	Dual	0	0.00					
15	70-74	Former	2014	38.26			22.50	77	3.82
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	378	6.84	0	0.00			
15	75-79	Ecig	49	0.89					
15	75-79	Dual	0	0.00					
15	75-79	Former	2019	36.55			22.87	63	3.12
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	3157	3.89	0	0.00			
20	All Ages	Ecig	11396	14.06					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22769	28.08			19.42	1115	4.90
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	185	2.33	0	0.00			
20	30-34	Ecig	1760	22.19					
20	30-34	Dual	0	0.00					
20	30-34	Former	1242	15.66			9.41	124	9.98
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	234	2.80	0	0.00			
20	35-39	Ecig	1521	18.22					
20	35-39	Dual	0	0.00					
20	35-39	Former	1236	14.80			11.27	101	8.17
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	274	3.12	0	0.00			
20	40-44	Ecig	1641	18.66					
20	40-44	Dual	0	0.00					
20	40-44	Former	1689	19.21			15.29	113	6.69
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	407	4.04	0	0.00			
20	45-49	Ecig	1997	19.82					
20	45-49	Dual	0	0.00					
20	45-49	Former	2390	23.72			17.73	124	5.19
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	458	4.36	0	0.00			
20	50-54	Ecig	1778	16.93					
20	50-54	Dual	0	0.00					
20	50-54	Former	2985	28.43			18.28	173	5.80
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	386	4.02	0	0.00			
20	55-59	Ecig	1164	12.13					
20	55-59	Dual	0	0.00					
20	55-59	Former	3032	31.58			21.03	103	3.40
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	334	3.93	0	0.00			
20	60-64	Ecig	823	9.69					
20	60-64	Dual	0	0.00					
20	60-64	Former	2984	35.12			19.94	148	4.96
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	276	4.22	0	0.00			
20	65-69	Ecig	407	6.23					
20	65-69	Dual	0	0.00					
20	65-69	Former	2737	41.88			22.66	98	3.58
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	327	5.91	0	0.00			
20	70-74	Ecig	218	3.94					
20	70-74	Dual	0	0.00					
20	70-74	Former	2305	41.65			22.95	70	3.04
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	276	5.24	0	0.00			
20	75-79	Ecig	87	1.65					
20	75-79	Dual	0	0.00					
20	75-79	Former	2169	41.20			25.69	61	2.81
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	1927	2.54	0	0.00			
25	All Ages	Ecig	9843	12.98					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	23037	30.39			21.47	919	3.99
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	87	1.10	0	0.00			
25	35-39	Ecig	1488	18.76					
25	35-39	Dual	0	0.00					
25	35-39	Former	1629	20.54			11.50	133	8.16
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	148	1.77	0	0.00			
25	40-44	Ecig	1374	16.46					
25	40-44	Dual	0	0.00					

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

25	40-44	Former	1469	17.59			13.99	98	6.67
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5189	59.01					
25	45-49	CC	168	1.91	0	0.00			
25	45-49	Ecig	1502	17.08					
25	45-49	Dual	0	0.00					
25	45-49	Former	1934	21.99			17.98	92	4.76
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5284	52.43					
25	50-54	CC	234	2.32	0	0.00			
25	50-54	Ecig	1847	18.33					
25	50-54	Dual	0	0.00					
25	50-54	Former	2713	26.92			20.25	143	5.27
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5278	50.27					
25	55-59	CC	295	2.81	0	0.00			
25	55-59	Ecig	1545	14.72					
25	55-59	Dual	0	0.00					
25	55-59	Former	3381	32.20			20.79	150	4.44
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	261	2.72	0	0.00			
25	60-64	Ecig	960	10.00					
25	60-64	Dual	0	0.00					
25	60-64	Former	3361	35.01			23.66	150	4.46
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	242	2.85	0	0.00			
25	65-69	Ecig	642	7.56					
25	65-69	Dual	0	0.00					
25	65-69	Former	3257	38.33			23.07	67	2.06
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	227	3.47	0	0.00			
25	70-74	Ecig	318	4.87					
25	70-74	Dual	0	0.00					
25	70-74	Former	2875	43.99			26.44	48	1.67
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	265	4.79	0	0.00			
25	75-79	Ecig	167	3.02					
25	75-79	Dual	0	0.00					
25	75-79	Former	2418	43.69			26.76	38	1.57
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38326	54.53					
30	All Ages	CC	1142	1.62	0	0.00			
30	All Ages	Ecig	8245	11.73					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	22570	32.11			23.80	760	3.37
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	49	0.62	0	0.00			
30	40-44	Ecig	1294	16.32					
30	40-44	Dual	0	0.00					
30	40-44	Former	1861	23.47			14.68	92	4.94
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	86	1.03	0	0.00			
30	45-49	Ecig	1218	14.59					
30	45-49	Dual	0	0.00					
30	45-49	Former	1687	20.20			16.82	82	4.86
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	92	1.05	0	0.00			
30	50-54	Ecig	1319	15.00					
30	50-54	Dual	0	0.00					
30	50-54	Former	2193	24.94			20.48	119	5.43
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	141	1.40	0	0.00			
30	55-59	Ecig	1582	15.70					
30	55-59	Dual	0	0.00					
30	55-59	Former	3071	30.47			22.56	123	4.01
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	213	2.03	0	0.00			
30	60-64	Ecig	1250	11.91					
30	60-64	Dual	0	0.00					
30	60-64	Former	3758	35.79			23.40	159	4.23
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	183	1.91	0	0.00			
30	65-69	Ecig	771	8.03					
30	65-69	Dual	0	0.00					
30	65-69	Former	3628	37.79			26.73	76	2.09
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	4356	51.27					
30	70-74	CC	200	2.35	0	0.00			
30	70-74	Ecig	548	6.45					
30	70-74	Dual	0	0.00					
30	70-74	Former	3393	39.93			27.01	67	1.97
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	178	2.72	0	0.00			
30	75-79	Ecig	263	4.02					
30	75-79	Dual	0	0.00					
30	75-79	Former	2979	45.58			30.42	42	1.41
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	709	1.11	0	0.00			
35	All Ages	Ecig	6662	10.45					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	21166	33.20			25.87	612	2.89
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	25	0.32	0	0.00			
35	45-49	Ecig	1139	14.36					
35	45-49	Dual	0	0.00					
35	45-49	Former	2040	25.73			18.15	62	3.04
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	52	0.62	0	0.00			
35	50-54	Ecig	1061	12.71					
35	50-54	Dual	0	0.00					
35	50-54	Former	1878	22.49			19.78	94	5.01
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	57	0.65	0	0.00			
35	55-59	Ecig	1114	12.67					
35	55-59	Dual	0	0.00					
35	55-59	Former	2433	27.67			23.17	90	3.70
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	99	0.98	0	0.00			
35	60-64	Ecig	1253	12.43					
35	60-64	Dual	0	0.00					
35	60-64	Former	3442	34.15			24.79	160	4.65
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	162	1.54	0	0.00			
35	65-69	Ecig	991	9.44					
35	65-69	Dual	0	0.00					
35	65-69	Former	4068	38.75			26.42	81	1.99
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	153	1.59	0	0.00			
35	70-74	Ecig	667	6.95					
35	70-74	Dual	0	0.00					
35	70-74	Former	3762	39.19			30.66	64	1.70
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	161	1.89	0	0.00			
35	75-79	Ecig	437	5.14					
35	75-79	Dual	0	0.00					
35	75-79	Former	3543	41.70			30.74	61	1.72
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	400	0.72	0	0.00			
40	All Ages	Ecig	5022	9.09					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	18974	34.34			27.91	544	2.87
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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40	25-29	Former	0	.	.	.	0	.	
Year of Follow-up: 2030, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	30-34	Never Any	0	.					
40	30-34	CC	0	.	0	.			
40	30-34	Ecig	0	.					
40	30-34	Dual	0	.					
40	30-34	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any	0	.					
40	35-39	CC	0	.	0	.			
40	35-39	Ecig	0	.					
40	35-39	Dual	0	.					
40	35-39	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any	0	.					
40	40-44	CC	0	.	0	.			
40	40-44	Ecig	0	.					
40	40-44	Dual	0	.					
40	40-44	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any	0	.					
40	45-49	CC	0	.	0	.			
40	45-49	Ecig	0	.					
40	45-49	Dual	0	.					
40	45-49	Former	0	.			0	.	
Year of Follow-up: 2030, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any	4726	59.60					
40	50-54	CC	11	0.14	0	0.00			
40	50-54	Ecig	964	12.16					
40	50-54	Dual	0	0.00					
40	50-54	Former	2229	28.11			21.33	102	4.58
Year of Follow-up: 2030, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any	5359	64.18					
40	55-59	CC	26	0.31	0	0.00			
40	55-59	Ecig	864	10.35					
40	55-59	Dual	0	0.00					
40	55-59	Former	2101	25.16			22.39	66	3.14
Year of Follow-up: 2030, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any	5189	59.01					
40	60-64	CC	35	0.40	0	0.00			
40	60-64	Ecig	861	9.79					
40	60-64	Dual	0	0.00					
40	60-64	Former	2708	30.80			25.49	123	4.54
Year of Follow-up: 2030, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any	5284	52.43					
40	65-69	CC	77	0.76	0	0.00			
40	65-69	Ecig	988	9.80					
40	65-69	Dual	0	0.00					
40	65-69	Former	3729	37.00			27.69	79	2.12
Year of Follow-up: 2030, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any	5278	50.27					
40	70-74	CC	132	1.26	0	0.00			
40	70-74	Ecig	820	7.81					
40	70-74	Dual	0	0.00					
40	70-74	Former	4269	40.66			30.02	103	2.41
Year of Follow-up: 2030, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any	5018	52.27					
40	75-79	CC	119	1.24	0	0.00			

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

40	75-79	Ecig	525	5.47					
40	75-79	Dual	0	0.00					
40	75-79	Former	3938	41.02			34.15	71	1.80
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	203	0.44	0	0.00			
45	All Ages	Ecig	3675	8.05					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	15936	34.91			29.62	359	2.25
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

45	55-59	Never Any	4726	59.60					
45	55-59	CC	8	0.10	0	0.00			
45	55-59	Ecig	787	9.92					
45	55-59	Dual	0	0.00					
45	55-59	Former	2409	30.38			24.50	77	3.20
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	15	0.18	0	0.00			
45	60-64	Ecig	693	8.30					
45	60-64	Dual	0	0.00					
45	60-64	Former	2283	27.34			25.36	79	3.46
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	26	0.30	0	0.00			
45	65-69	Ecig	691	7.86					
45	65-69	Dual	0	0.00					
45	65-69	Former	2887	32.83			28.76	49	1.70
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	59	0.59	0	0.00			
45	70-74	Ecig	860	8.53					
45	70-74	Dual	0	0.00					
45	70-74	Former	3875	38.45			31.52	73	1.88
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	95	0.90	0	0.00			
45	75-79	Ecig	644	6.13					
45	75-79	Dual	0	0.00					
45	75-79	Former	4482	42.69			33.45	81	1.81
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	83	0.24	0	0.00			
50	All Ages	Ecig	2424	6.90					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12086	34.38			31.49	240	1.99
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	6	0.08	0	0.00			
50	60-64	Ecig	611	7.70					
50	60-64	Dual	0	0.00					
50	60-64	Former	2587	32.62			27.60	77	2.98
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	7	0.08	0	0.00			
50	65-69	Ecig	565	6.77					
50	65-69	Dual	0	0.00					
50	65-69	Former	2419	28.97			28.79	38	1.57
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	22	0.25	0	0.00			
50	70-74	Ecig	583	6.63					
50	70-74	Dual	0	0.00					
50	70-74	Former	2999	34.11			32.56	51	1.70
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	48	0.48	0	0.00			
50	75-79	Ecig	665	6.60					
50	75-79	Dual	0	0.00					
50	75-79	Former	4081	40.49			34.78	74	1.81

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	2223282.841	722967.2	7.960	24.539	2493.45	808.881	610.394	198.488

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	59012.639	65.847	0.033	0.111	2877.87	853.678	852.727	0.951
1992	198532	60494.150	60315.602	178.548	0.090	0.295	2829.84	862.271	859.726	2.545
1993	202512	62694.848	62342.128	352.720	0.174	0.563	2845.85	881.034	876.077	4.957
1994	200658	63202.598	62633.854	568.743	0.283	0.900	2777.87	874.966	867.092	7.874
1995	201023	63766.862	62926.055	840.807	0.418	1.319	2739.80	869.097	857.638	11.460
1996	201180	64591.163	63420.267	1170.895	0.582	1.813	2706.36	868.908	853.157	15.751
1997	198639	64686.912	63175.450	1511.462	0.761	2.337	2635.18	858.147	838.096	20.051
1998	197573	65295.961	63366.527	1929.434	0.977	2.955	2584.18	854.046	828.810	25.236
1999	211329	67327.521	64724.914	2602.607	1.232	3.866	2726.91	868.771	835.187	33.583
2000	208496	67596.897	64459.800	3137.097	1.505	4.641	2656.96	861.419	821.442	39.978
2001	203606	67008.811	63302.148	3706.663	1.821	5.532	2565.88	844.458	797.746	46.712
2002	200828	67067.744	62664.610	4403.134	2.192	6.565	2506.09	836.925	781.979	54.946
2003	196352	66756.217	61712.266	5043.951	2.569	7.556	2427.31	825.244	762.891	62.354
2004	188160	65058.725	59411.946	5646.780	3.001	8.680	2302.83	796.234	727.125	69.109
2005	186416	65214.724	58810.386	6404.338	3.436	9.820	2256.27	789.321	711.806	77.514
2006	180088	63771.146	56684.656	7086.490	3.935	11.112	2160.67	765.117	680.094	85.023
2007	175644	63110.718	55343.202	7767.516	4.422	12.308	2086.36	749.650	657.385	92.265
2008	177570	63718.624	55047.464	8671.160	4.883	13.609	2086.39	748.674	646.790	101.883
2009	172806	62794.698	53489.450	9305.248	5.385	14.819	2007.57	729.515	621.412	108.103
2010	170489	61917.074	51889.765	10027.31	5.881	16.195	1957.97	711.083	595.925	115.158
2011	170305	61680.114	50687.112	10993.00	6.455	17.823	1937.46	701.700	576.639	125.061
2012	171421	62023.127	49995.488	12027.64	7.016	19.392	1930.22	698.386	562.954	135.432
2013	172699	62037.765	49070.879	12966.89	7.508	20.902	1923.75	691.059	546.616	144.442
2014	174169	61921.017	47874.990	14046.03	8.065	22.684	1918.85	682.195	527.447	154.748
2015	177354	61856.204	46912.541	14943.66	8.426	24.159	2184.51	761.899	577.834	184.065
2016	176853	60464.119	44674.680	15789.44	8.928	26.114	2157.59	737.655	545.026	192.629
2017	179309	60243.839	43417.153	16826.69	9.384	27.931	2166.86	728.017	524.675	203.342
2018	177157	60713.327	42942.919	17770.41	10.031	29.269	2120.51	726.721	514.014	212.707
2019	179227	61148.172	42219.932	18928.24	10.561	30.955	2124.53	724.841	500.469	224.372
2020	180467	61149.317	41387.383	19761.93	10.950	32.318	2424.25	821.432	555.966	265.466
2021	178116	58727.786	38342.546	20385.24	11.445	34.711	2375.42	783.216	511.350	271.865
2022	179408	58848.802	37342.522	21506.28	11.987	36.545	2374.52	778.881	494.239	284.642
2023	180640	58816.149	36348.914	22467.24	12.438	38.199	2372.26	772.407	477.354	295.052
2024	181610	58955.232	35379.355	23575.88	12.982	39.989	2366.77	768.316	461.071	307.245
2025	180418	58297.744	34224.449	24073.30	13.343	41.294	2713.69	876.861	514.773	362.088
2026	180313	56469.971	31902.503	24567.47	13.625	43.505	2701.83	846.150	478.029	368.121
2027	179619	56209.427	30684.343	25525.08	14.211	45.411	2680.68	838.883	457.941	380.943
2028	178762	55733.105	29390.292	26342.81	14.736	47.266	2656.74	828.298	436.795	391.503
2029	177808	55145.838	28022.118	27123.72	15.255	49.185	2630.89	815.951	414.622	401.329
2030	173587	53615.097	26596.685	27018.41	15.565	50.393	3040.33	939.056	465.835	473.221
2031	174985	52046.561	25060.054	26986.51	15.422	51.851	3060.73	910.364	438.334	472.030
2032	173400	51582.636	23895.520	27687.12	15.967	53.675	3027.10	900.496	417.152	483.343
2033	171756	50839.758	22631.642	28208.12	16.423	55.484	2991.14	885.375	394.130	491.244
2034	169973	50215.451	21440.065	28775.39	16.929	57.304	2951.96	872.104	372.355	499.749
2035	162644	47773.075	19855.009	27918.07	17.165	58.439	3459.14	1016.05	422.280	593.766
2036	156254	43298.709	17102.771	26195.94	16.765	60.501	3328.25	922.274	364.294	557.981
2037	153593	42241.563	15751.027	26490.54	17.247	62.712	3274.10	900.450	335.760	564.691
2038	150947	41356.353	14557.308	26799.04	17.754	64.800	3217.50	881.531	310.296	571.235
2039	148373	40161.050	13314.689	26846.36	18.094	66.847	3159.42	855.178	283.519	571.658

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1278851.758	301613.5	12.957	19.084	639.078	433.910	351.104	82.807

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31401.028	10.982	0.025	0.035	631.345	453.901	453.742	0.159
1992	45423	32782.407	32752.859	29.548	0.065	0.090	647.450	467.274	466.853	0.421
1993	46291	33491.183	33430.912	60.272	0.130	0.180	650.515	470.643	469.796	0.847
1994	47017	34074.347	33975.351	98.997	0.211	0.291	650.895	471.719	470.349	1.370
1995	47840	34694.454	34540.462	153.992	0.322	0.444	652.025	472.861	470.762	2.099
1996	48244	35027.269	34811.691	215.577	0.447	0.615	648.999	471.202	468.302	2.900
1997	49035	35590.763	35290.258	300.504	0.613	0.844	650.506	472.153	468.166	3.987
1998	49686	36100.785	35686.906	413.879	0.833	1.146	649.874	472.184	466.771	5.413
1999	48883	35451.030	34928.305	522.724	1.069	1.474	630.769	457.448	450.703	6.745
2000	50331	36447.986	35763.459	684.527	1.360	1.878	641.392	464.474	455.751	8.723
2001	50389	36411.326	35563.260	848.066	1.683	2.329	635.012	458.863	448.175	10.687
2002	51445	37078.545	36008.220	1070.325	2.081	2.887	641.972	462.696	449.339	13.356
2003	51408	36999.876	35710.994	1288.881	2.507	3.483	635.509	457.395	441.461	15.933
2004	51399	36861.555	35320.493	1541.062	2.998	4.181	629.057	451.138	432.277	18.861
2005	51421	36689.529	34880.512	1809.017	3.518	4.931	622.370	444.069	422.173	21.895
2006	51355	36504.774	34391.531	2113.243	4.115	5.789	616.150	437.979	412.625	25.354
2007	51839	36663.202	34188.711	2474.491	4.773	6.749	615.761	435.498	406.105	29.393
2008	50976	35898.803	33143.085	2755.718	5.406	7.676	598.952	421.800	389.421	32.379
2009	51193	35934.525	32790.536	3143.989	6.141	8.749	594.733	417.468	380.943	36.525
2010	50853	35502.829	32008.984	3493.845	6.870	9.841	584.018	407.730	367.605	40.125
2011	50509	35136.342	31218.423	3917.919	7.757	11.151	574.613	399.726	355.154	44.572
2012	51245	35450.201	31031.760	4418.441	8.622	12.464	577.023	399.173	349.421	49.752
2013	51069	35123.224	30245.581	4877.643	9.551	13.887	568.874	391.249	336.915	54.334
2014	51251	35079.370	29704.954	5374.416	10.486	15.321	564.641	386.476	327.265	59.211
2015	50443	34324.171	28600.170	5724.001	11.347	16.676	621.319	422.780	352.276	70.504
2016	48854	33054.753	26993.195	6061.557	12.407	18.338	596.013	403.264	329.314	73.950
2017	48325	32471.234	25953.867	6517.367	13.487	20.071	583.983	392.399	313.639	78.759
2018	50465	33657.595	26220.169	7437.426	14.738	22.097	604.052	402.871	313.848	89.024
2019	51036	33863.424	25758.187	8105.237	15.881	23.935	604.975	401.412	305.334	96.078
2020	51444	33910.830	25234.681	8676.149	16.865	25.585	691.053	455.532	338.983	116.549
2021	48037	31531.880	22834.315	8697.565	18.106	27.583	640.639	420.521	304.527	115.994
2022	48335	31560.212	22204.291	9355.922	19.356	29.645	639.727	417.708	293.880	123.828
2023	48599	31508.781	21559.459	9949.323	20.472	31.576	638.227	413.791	283.131	130.660
2024	48784	31517.293	20912.740	10604.55	21.738	33.647	635.757	410.740	272.539	138.201
2025	48477	31175.389	20150.228	11025.16	22.743	35.365	729.141	468.912	303.081	165.830
2026	45324	29044.598	18187.251	10857.35	23.955	37.382	679.138	435.206	272.519	162.687
2027	45107	28825.765	17415.295	11410.47	25.296	39.584	673.191	430.203	259.910	170.293
2028	44842	28513.846	16608.945	11904.90	26.549	41.751	666.430	423.769	246.840	176.929
2029	44539	28148.109	15761.387	12386.72	27.811	44.006	659.013	416.486	233.209	183.277
2030	43393	27314.475	14862.231	12452.24	28.696	45.588	760.018	478.407	260.308	218.098
2031	40748	25423.102	13475.808	11947.29	29.320	46.994	712.731	444.684	235.710	208.974
2032	40325	25085.902	12761.590	12324.31	30.562	49.128	703.969	437.933	222.783	215.150
2033	39882	24645.067	12010.221	12634.85	31.681	51.267	694.543	429.194	209.158	220.036
2034	39404	24239.126	11301.064	12938.06	32.834	53.377	684.347	420.967	196.268	224.698
2035	37454	22944.147	10355.033	12589.11	33.612	54.869	796.588	487.980	220.233	267.747
2036	32988	19950.581	8592.259	11358.32	34.431	56.932	702.663	424.953	183.017	241.935
2037	32403	19415.334	7872.030	11543.30	35.624	59.455	690.731	413.871	167.806	246.065
2038	31820	18939.317	7236.193	11703.12	36.779	61.793	678.257	403.701	154.243	249.458
2039	31251	18379.752	6588.674	11791.08	37.730	64.153	665.457	391.373	140.297	251.076

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	248465.843	150368.0	4.638	37.702	890.124	109.498	68.215	41.283

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12818.187	38.292	0.040	0.298	1393.01	185.775	185.222	0.553
1992	93721	12662.244	12556.193	106.050	0.113	0.838	1335.88	180.485	178.973	1.512
1993	93679	12730.613	12525.451	205.162	0.219	1.612	1316.45	178.900	176.017	2.883
1994	90832	12495.323	12168.534	326.789	0.360	2.615	1257.46	172.983	168.459	4.524
1995	89698	12365.590	11893.185	472.405	0.527	3.820	1222.52	168.534	162.096	6.439
1996	88286	12290.551	11633.234	657.317	0.745	5.348	1187.66	165.338	156.495	8.843
1997	84777	11719.531	10906.681	812.851	0.959	6.936	1124.67	155.473	144.690	10.783
1998	82517	11416.794	10418.366	998.428	1.210	8.745	1079.29	149.327	136.268	13.059
1999	93939	13028.038	11606.466	1421.572	1.513	10.912	1212.16	168.109	149.766	18.343
2000	90039	12426.299	10788.894	1637.405	1.819	13.177	1147.41	158.354	137.488	20.866
2001	86119	11939.281	10033.819	1905.462	2.213	15.960	1085.29	150.461	126.448	24.013
2002	83014	11528.794	9342.196	2186.598	2.634	18.966	1035.91	143.865	116.579	27.286
2003	79302	11048.407	8629.753	2418.654	3.050	21.891	980.336	136.581	106.681	29.900
2004	73861	10375.132	7764.681	2610.450	3.534	25.161	903.963	126.978	95.030	31.949
2005	71649	10051.029	7208.743	2842.286	3.967	28.279	867.197	121.652	87.250	34.401
2006	67551	9542.523	6502.885	3039.639	4.500	31.854	810.467	114.490	78.021	36.469
2007	63503	8936.533	5792.569	3143.964	4.951	35.181	754.310	106.151	68.806	37.345
2008	63171	8944.180	5508.595	3435.585	5.439	38.411	742.239	105.091	64.724	40.367
2009	59747	8390.033	4928.932	3461.101	5.793	41.253	694.108	97.471	57.262	40.209
2010	58008	8157.570	4539.925	3617.644	6.236	44.347	666.189	93.685	52.138	41.547
2011	57368	8035.356	4211.483	3823.873	6.666	47.588	652.644	91.414	47.912	43.502
2012	57411	7970.766	3915.860	4054.906	7.063	50.872	646.453	89.752	44.093	45.659
2013	57067	7743.216	3596.407	4146.809	7.267	53.554	635.688	86.254	40.062	46.193
2014	57538	7774.935	3386.055	4388.880	7.628	56.449	633.906	85.658	37.305	48.353
2015	58395	7722.535	3204.643	4517.892	7.737	58.503	719.266	95.120	39.472	55.648
2016	58658	7600.353	2963.324	4637.029	7.905	61.011	715.621	92.723	36.152	56.571
2017	59004	7470.266	2739.086	4731.181	8.018	63.333	713.034	90.274	33.100	57.174
2018	56077	6907.050	2370.898	4536.152	8.089	65.674	671.224	82.675	28.379	54.296
2019	55886	6732.046	2184.286	4547.761	8.138	67.554	662.462	79.801	25.892	53.908
2020	55313	6429.836	1990.084	4439.751	8.027	69.049	743.037	86.373	26.733	59.640
2021	56292	6562.016	1880.826	4681.190	8.316	71.338	750.730	87.513	25.083	62.430
2022	55827	6352.366	1707.614	4644.752	8.320	73.118	738.885	84.075	22.601	61.475
2023	55338	6134.123	1556.526	4577.597	8.272	74.625	726.728	80.557	20.441	60.116
2024	54770	5922.193	1414.633	4507.559	8.230	76.113	713.771	77.179	18.436	58.743
2025	53295	5504.188	1272.493	4231.694	7.940	76.881	801.612	82.789	19.140	63.649
2026	55278	5641.075	1224.009	4417.067	7.991	78.302	828.283	84.526	18.341	66.186
2027	54199	5426.216	1114.425	4311.791	7.956	79.462	808.875	80.982	16.632	64.350
2028	53090	5197.830	1005.998	4191.832	7.896	80.646	789.020	77.249	14.951	62.298
2029	51974	4973.547	911.674	4061.873	7.815	81.670	769.023	73.590	13.489	60.100
2030	49479	4450.618	793.930	3656.688	7.390	82.161	866.605	77.952	13.905	64.046
2031	51987	4555.052	769.041	3786.011	7.283	83.117	909.317	79.674	13.452	66.222
2032	50677	4349.999	691.957	3658.042	7.218	84.093	884.689	75.939	12.080	63.860
2033	49380	4147.948	623.134	3524.814	7.138	84.977	859.955	72.237	10.852	61.385
2034	48076	3966.133	560.789	3405.344	7.083	85.861	834.943	68.881	9.739	59.141
2035	44518	3289.064	457.112	2831.953	6.361	86.102	946.825	69.952	9.722	60.230
2036	46347	3313.192	428.775	2884.417	6.223	87.059	987.211	70.572	9.133	61.439
2037	44841	3117.951	376.302	2741.650	6.114	87.931	955.859	66.464	8.022	58.443
2038	43378	2949.775	330.910	2618.865	6.037	88.782	924.621	62.876	7.053	55.822
2039	41973	2766.312	293.388	2472.924	5.892	89.394	893.753	58.905	6.247	52.658

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	64304.734	40595.02	3.002	38.699	371.243	28.800	17.655	11.145

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3196.262	10.801	0.033	0.337	469.694	46.342	46.186	0.156
1992	32560	3218.125	3188.171	29.954	0.092	0.931	464.104	45.871	45.444	0.427
1993	32768	3226.680	3167.712	58.969	0.180	1.828	460.480	45.344	44.515	0.829
1994	33005	3277.266	3179.115	98.151	0.297	2.995	456.915	45.370	44.011	1.359
1995	33730	3309.378	3163.444	145.935	0.433	4.410	459.716	45.104	43.116	1.989
1996	33750	3312.987	3108.402	204.584	0.606	6.175	454.019	44.568	41.816	2.752
1997	33699	3267.066	2999.257	267.808	0.795	8.197	447.056	43.341	39.789	3.553
1998	33274	3178.725	2849.261	329.464	0.990	10.365	435.211	41.577	37.267	4.309
1999	33891	3120.351	2724.819	395.532	1.167	12.676	437.317	40.264	35.160	5.104
2000	33827	3142.808	2661.958	480.850	1.421	15.300	431.074	40.050	33.923	6.128
2001	32506	2961.588	2427.815	533.773	1.642	18.023	409.647	37.323	30.596	6.727
2002	32078	2940.627	2317.582	623.045	1.942	21.188	400.295	36.695	28.921	7.775
2003	30568	2819.545	2132.457	687.088	2.248	24.369	377.883	34.855	26.362	8.494
2004	29388	2730.466	1979.273	751.192	2.556	27.512	359.671	33.417	24.224	9.194
2005	27954	2670.510	1847.017	823.493	2.946	30.837	338.339	32.322	22.355	9.967
2006	27201	2623.285	1728.152	895.134	3.291	34.123	326.354	31.474	20.734	10.740
2007	26302	2536.599	1587.838	948.761	3.607	37.403	312.424	30.131	18.861	11.270
2008	25998	2469.443	1473.590	995.853	3.830	40.327	305.468	29.015	17.314	11.701
2009	25040	2386.945	1352.947	1033.998	4.129	43.319	290.901	27.730	15.718	12.012
2010	24840	2329.274	1253.411	1075.863	4.331	46.189	285.273	26.750	14.395	12.356
2011	24792	2286.581	1159.355	1127.226	4.547	49.297	282.045	26.013	13.189	12.824
2012	24500	2243.311	1070.310	1173.001	4.788	52.289	275.872	25.260	12.052	13.208
2013	24451	2176.503	974.837	1201.666	4.915	55.211	272.368	24.245	10.859	13.386
2014	25296	2211.619	933.405	1278.214	5.053	57.795	278.691	24.366	10.283	14.082
2015	26316	2237.016	897.357	1339.659	5.091	59.886	324.141	27.554	11.053	16.501
2016	26735	2229.057	840.910	1388.148	5.192	62.275	326.164	27.194	10.259	16.935
2017	27616	2221.649	790.488	1431.161	5.182	64.419	333.726	26.848	9.553	17.295
2018	25256	1939.420	652.071	1287.349	5.097	66.378	302.304	23.214	7.805	15.409
2019	25429	1904.400	602.454	1301.945	5.120	68.365	301.434	22.574	7.141	15.433
2020	25379	1806.054	543.014	1263.041	4.977	69.934	340.922	24.261	7.294	16.967
2021	25448	1748.172	493.346	1254.827	4.931	71.779	339.386	23.314	6.579	16.735
2022	25539	1701.148	448.844	1252.304	4.904	73.615	338.015	22.515	5.941	16.575
2023	25620	1652.087	409.686	1242.401	4.849	75.202	336.461	21.696	5.380	16.316
2024	25659	1597.127	370.923	1226.203	4.779	76.776	334.391	20.814	4.834	15.980
2025	25260	1467.622	327.923	1139.699	4.512	77.656	379.931	22.075	4.932	17.142
2026	25480	1390.505	294.767	1095.738	4.300	78.801	381.790	20.835	4.417	16.419
2027	25264	1342.095	268.773	1073.323	4.248	79.974	377.042	20.030	4.011	16.019
2028	25022	1289.536	243.208	1046.328	4.182	81.140	371.870	19.165	3.615	15.550
2029	24767	1242.216	221.829	1020.387	4.120	82.142	366.459	18.380	3.282	15.098
2030	23959	1096.803	188.360	908.443	3.792	82.826	419.641	19.210	3.299	15.911
2031	23963	1019.991	166.050	853.941	3.564	83.720	419.142	17.841	2.904	14.937
2032	23615	977.406	148.709	828.697	3.509	84.785	412.259	17.063	2.596	14.467
2033	23259	937.450	134.399	803.051	3.453	85.663	405.051	16.326	2.341	13.985
2034	22879	900.763	120.720	780.043	3.409	86.598	397.339	15.644	2.097	13.547
2035	21733	745.023	96.572	648.451	2.984	87.038	462.224	15.845	2.054	13.791
2036	20904	680.360	81.710	598.650	2.864	87.990	445.263	14.492	1.740	12.751
2037	20397	644.109	72.216	571.893	2.804	88.788	434.791	13.730	1.539	12.191
2038	19890	612.448	63.468	548.980	2.760	89.637	423.966	13.055	1.353	11.702
2039	19392	577.529	57.531	519.999	2.681	90.038	412.930	12.298	1.225	11.073

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	631660.506	230390.7	10.667	26.726	593.003	236.673	173.420	63.253

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11597.162	5.771	0.022	0.050	383.818	167.661	167.578	0.083
1992	26828	11831.375	11818.379	12.996	0.048	0.110	382.401	168.642	168.457	0.185
1993	29774	13246.371	13218.053	28.318	0.095	0.214	418.406	186.148	185.750	0.398
1994	29804	13355.662	13310.855	44.807	0.150	0.335	412.601	184.893	184.273	0.620
1995	29755	13397.439	13328.965	68.474	0.230	0.511	405.540	182.598	181.664	0.933
1996	30900	13960.356	13866.939	93.416	0.302	0.669	415.680	187.801	186.544	1.257
1997	31128	14109.552	13979.254	130.298	0.419	0.923	412.949	187.180	185.451	1.729
1998	32096	14599.657	14411.995	187.663	0.585	1.285	419.803	190.958	188.503	2.455
1999	34616	15728.102	15465.324	262.779	0.759	1.671	446.673	202.950	199.559	3.391
2000	34299	15579.803	15245.489	334.314	0.975	2.146	437.088	198.541	194.281	4.260
2001	34592	15696.614	15277.252	419.362	1.212	2.672	435.935	197.812	192.527	5.285
2002	34291	15519.777	14996.612	523.165	1.526	3.371	427.910	193.668	187.140	6.528
2003	35074	15888.389	15239.062	649.327	1.851	4.087	433.587	196.413	188.386	8.027
2004	33512	15091.573	14347.498	744.075	2.220	4.930	410.143	184.701	175.595	9.107
2005	35392	15803.656	14874.113	929.542	2.626	5.882	428.364	191.278	180.028	11.251
2006	33981	15100.563	14062.088	1038.475	3.056	6.877	407.699	181.174	168.715	12.459
2007	34000	14974.384	13774.084	1200.299	3.530	8.016	403.863	177.871	163.613	14.258
2008	37425	16406.197	14922.194	1484.004	3.965	9.045	439.732	192.768	175.331	17.437
2009	36826	16083.194	14417.035	1666.159	4.524	10.360	427.825	186.846	167.489	19.357
2010	36788	15927.400	14087.444	1839.956	5.002	11.552	422.489	182.917	161.786	21.131
2011	37636	16221.836	14097.852	2123.984	5.643	13.093	428.164	184.547	160.383	24.163
2012	38265	16358.849	13977.558	2381.291	6.223	14.557	430.867	184.202	157.389	26.814
2013	40112	16994.822	14254.054	2740.768	6.833	16.127	446.821	189.311	158.781	30.530
2014	40084	16855.093	13850.577	3004.516	7.496	17.826	441.613	185.696	152.594	33.101
2015	42200	17572.483	14210.371	3362.111	7.967	19.133	519.788	216.445	175.033	41.412
2016	42606	17579.955	13877.250	3702.705	8.691	21.062	519.788	214.473	169.301	45.173
2017	44364	18080.688	13933.711	4146.977	9.348	22.936	536.117	218.496	168.382	50.114
2018	45359	18209.262	13699.780	4509.482	9.942	24.765	542.932	217.960	163.982	53.977
2019	46876	18648.302	13675.005	4973.297	10.610	26.669	555.657	221.054	162.101	58.953
2020	48331	19002.597	13619.604	5382.993	11.138	28.328	649.239	255.266	182.955	72.311
2021	48338	18885.717	13134.060	5751.658	11.899	30.455	644.660	251.867	175.161	76.706
2022	49708	19235.076	12981.774	6253.302	12.580	32.510	657.895	254.582	171.817	82.764
2023	51083	19521.158	12823.243	6697.915	13.112	34.311	670.849	256.363	168.402	87.961
2024	52397	19918.620	12681.059	7237.561	13.813	36.336	682.854	259.583	165.262	94.321
2025	53387	20150.545	12473.805	7676.740	14.379	38.097	803.004	303.086	187.620	115.466
2026	54232	20393.792	12196.477	8197.315	15.115	40.195	812.615	305.582	182.753	122.829
2027	55049	20615.351	11885.850	8729.501	15.858	42.345	821.568	307.668	177.387	130.281
2028	55809	20731.894	11532.142	9199.751	16.484	44.375	829.419	308.115	171.389	136.726
2029	56527	20781.967	11127.228	9654.739	17.080	46.457	836.392	307.495	164.641	142.854
2030	56756	20753.201	10752.164	10001.04	17.621	48.190	994.067	363.487	188.322	175.166
2031	58288	21048.417	10649.156	10399.26	17.841	49.406	1019.54	368.165	186.268	181.897
2032	58782	21169.329	10293.264	10876.06	18.502	51.377	1026.18	369.560	179.693	189.867
2033	59236	21109.293	9863.888	11245.41	18.984	53.272	1031.59	367.618	171.780	195.839
2034	59614	21109.429	9457.491	11651.94	19.546	55.198	1035.33	366.613	164.251	202.362
2035	58938	20794.840	8946.292	11848.55	20.103	56.978	1253.51	442.268	190.271	251.997
2036	56014	19354.577	8000.027	11354.55	20.271	58.666	1193.11	412.258	170.403	241.855
2037	55953	19064.169	7430.479	11633.69	20.792	61.024	1192.72	406.385	158.393	247.992
2038	55859	18854.812	6926.737	11928.07	21.354	63.263	1190.66	401.900	147.647	254.253
2039	55757	18437.457	6375.097	12062.36	21.634	65.423	1187.28	392.602	135.749	256.852

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9118842	2946250.006	2229306.987	716943.0	7.862	24.334	2496.11	808.881	610.230	198.652

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	59012.639	65.847	0.033	0.111	2877.87	853.678	852.727	0.951
1992	198532	60494.150	60315.664	178.486	0.090	0.295	2829.84	862.271	859.726	2.545
1993	202513	62694.848	62342.340	352.507	0.174	0.562	2845.85	881.034	876.077	4.957
1994	200660	63202.598	62634.379	568.218	0.283	0.899	2777.87	874.966	867.092	7.874
1995	201026	63766.862	62927.077	839.785	0.418	1.317	2739.79	869.097	857.637	11.460
1996	201185	64591.163	63422.028	1169.134	0.581	1.810	2706.35	868.908	853.156	15.752
1997	198646	64686.912	63178.181	1508.731	0.760	2.332	2635.15	858.147	838.095	20.052
1998	197583	65295.961	63370.603	1925.358	0.974	2.949	2584.14	854.046	828.809	25.237
1999	211345	67327.521	64730.979	2596.542	1.229	3.857	2726.87	868.771	835.189	33.582
2000	208519	67596.897	64468.443	3128.454	1.500	4.628	2656.92	861.419	821.448	39.972
2001	203638	67008.811	63313.865	3694.946	1.814	5.514	2565.85	844.458	797.759	46.699
2002	200870	67067.744	62679.912	4387.832	2.184	6.542	2506.07	836.925	781.999	54.926
2003	196407	66756.217	61731.940	5024.277	2.558	7.526	2427.32	825.244	762.922	62.322
2004	188229	65058.725	59436.252	5622.474	2.987	8.642	2302.89	796.234	727.173	69.062
2005	186503	65214.724	58840.303	6374.421	3.418	9.775	2256.38	789.321	711.871	77.450
2006	180193	63771.146	56720.209	7050.937	3.913	11.057	2160.85	765.117	680.180	84.937
2007	175769	63110.718	55385.129	7725.589	4.395	12.241	2086.61	749.650	657.493	92.157
2008	177723	63718.624	55097.121	8621.503	4.851	13.531	2086.74	748.674	646.926	101.748
2009	172983	62794.698	53546.553	9248.144	5.346	14.728	2008.01	729.515	621.576	107.939
2010	170693	61917.074	51954.234	9962.840	5.837	16.091	1958.52	711.083	596.117	114.965
2011	170541	61680.114	50759.642	10920.47	6.403	17.705	1938.13	701.700	576.863	124.837
2012	171695	62023.127	50077.460	11945.67	6.958	19.260	1931.03	698.386	563.215	135.171
2013	173014	62037.765	49162.399	12875.37	7.442	20.754	1924.72	691.059	546.915	144.144
2014	174530	61921.017	47976.183	13944.83	7.990	22.520	1920.00	682.195	527.786	154.409
2015	177770	61856.204	47024.607	14831.60	8.343	23.978	2185.65	761.899	578.158	183.741
2016	177319	60464.119	44794.355	15669.76	8.837	25.916	2158.91	737.655	545.384	192.271
2017	179836	60243.839	43547.152	16696.69	9.284	27.715	2168.41	728.017	525.078	202.938
2018	177734	60713.327	43085.410	17627.92	9.918	29.035	2122.26	726.721	514.467	212.254
2019	179876	61148.172	42375.685	18772.49	10.436	30.700	2126.57	724.841	500.984	223.858
2020	181193	61149.317	41556.781	19592.54	10.813	32.040	2426.14	821.432	556.437	264.996
2021	178909	58727.786	38516.408	20211.38	11.297	34.415	2377.63	783.216	511.868	271.347
2022	180283	58848.802	37527.948	21320.85	11.826	36.230	2377.06	778.881	494.814	284.067
2023	181600	58816.149	36546.041	22270.11	12.263	37.864	2375.17	772.407	477.988	294.419
2024	182660	58955.232	35588.042	23367.19	12.793	39.635	2370.05	768.316	461.763	306.553
2025	181560	58297.744	34444.612	23853.13	13.138	40.916	2716.52	876.861	515.365	361.496
2026	181554	56469.971	32126.661	24343.31	13.408	43.108	2705.15	846.150	478.686	367.464
2027	180954	56209.427	30917.926	25291.50	13.977	44.995	2684.46	838.883	458.667	380.216
2028	180195	55733.105	29632.009	26101.10	14.485	46.832	2661.01	828.298	437.587	390.711
2029	179341	55145.838	28270.649	26875.19	14.986	48.735	2635.68	815.951	415.479	400.472
2030	175213	53615.097	26851.879	26763.22	15.275	49.917	3044.31	939.056	466.549	472.507
2031	176745	52046.561	25318.697	26727.86	15.122	51.354	3065.39	910.364	439.115	471.248
2032	175266	51582.636	24159.932	27422.70	15.646	53.163	3032.41	900.496	418.010	482.486
2033	173730	50839.758	22899.777	27939.98	16.082	54.957	2997.13	885.375	395.059	490.316
2034	172052	50215.451	21711.106	28504.34	16.567	56.764	2958.64	872.104	373.347	498.757
2035	164801	47773.075	20125.446	27647.63	16.776	57.873	3464.71	1016.05	423.110	592.935
2036	158446	43298.709	17349.920	25948.79	16.377	59.930	3334.22	922.274	365.099	557.175
2037	155870	42241.563	15992.173	26249.39	16.841	62.141	3280.81	900.450	336.608	563.842
2038	153308	41356.353	14793.083	26563.27	17.327	64.230	3224.97	881.531	311.186	570.345
2039	150819	40161.050	13542.329	26618.72	17.649	66.280	3167.67	855.178	284.432	570.746

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2336748	1580465.217	1282238.178	298227.0	12.762	18.870	639.640	433.910	350.988	82.923

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31401.028	10.982	0.025	0.035	631.345	453.901	453.742	0.159
1992	45423	32782.407	32752.893	29.514	0.065	0.090	647.450	467.274	466.853	0.421
1993	46291	33491.183	33431.027	60.156	0.130	0.180	650.515	470.643	469.796	0.847
1994	47017	34074.347	33975.641	98.707	0.210	0.290	650.895	471.719	470.349	1.371
1995	47841	34694.454	34541.034	153.420	0.321	0.442	652.025	472.861	470.762	2.099
1996	48245	35027.269	34812.682	214.586	0.445	0.613	648.999	471.202	468.302	2.900
1997	49037	35590.763	35291.817	298.946	0.610	0.840	650.505	472.153	468.166	3.987
1998	49689	36100.785	35689.266	411.519	0.828	1.140	649.873	472.184	466.771	5.413
1999	48888	35451.030	34931.655	519.374	1.062	1.465	630.770	457.448	450.704	6.743
2000	50338	36447.986	35768.375	679.611	1.350	1.865	641.397	464.474	455.756	8.718
2001	50398	36411.326	35569.989	841.337	1.669	2.311	635.023	458.863	448.184	10.679
2002	51458	37078.545	36017.209	1061.336	2.063	2.862	641.990	462.696	449.353	13.342
2003	51425	36999.876	35722.656	1277.220	2.484	3.452	635.539	457.395	441.483	15.911
2004	51420	36861.555	35335.248	1526.307	2.968	4.141	629.102	451.138	432.309	18.829
2005	51448	36689.529	34898.587	1790.942	3.481	4.881	622.431	444.069	422.216	21.853
2006	51388	36504.774	34413.432	2091.341	4.070	5.729	616.232	437.979	412.681	25.298
2007	51879	36663.202	34215.006	2448.196	4.719	6.678	615.868	435.498	406.177	29.321
2008	51023	35898.803	33173.406	2725.397	5.342	7.592	599.084	421.800	389.507	32.292
2009	51248	35934.525	32825.968	3108.558	6.066	8.651	594.897	417.468	381.049	36.419
2010	50917	35502.829	32049.235	3453.595	6.783	9.728	584.215	407.730	367.730	40.001
2011	50582	35136.342	31263.603	3872.739	7.656	11.022	574.845	399.726	355.298	44.428
2012	51330	35450.201	31083.153	4367.048	8.508	12.319	577.301	399.173	349.588	49.584
2013	51165	35123.224	30302.538	4820.686	9.422	13.725	569.196	391.249	337.105	54.144
2014	51360	35079.370	29768.262	5311.108	10.341	15.140	565.014	386.476	327.480	58.995
2015	50565	34324.171	28669.060	5655.110	11.184	16.476	621.681	422.780	352.480	70.299
2016	48986	33054.753	27065.961	5988.791	12.226	18.118	596.414	403.264	329.536	73.728
2017	48470	32471.234	26032.076	6439.158	13.285	19.830	584.441	392.399	313.887	78.512
2018	50633	33657.595	26307.559	7350.036	14.516	21.838	604.584	402.871	314.129	88.743
2019	51224	33863.424	25853.502	8009.922	15.637	23.654	605.588	401.412	305.651	95.761
2020	51653	33910.830	25338.125	8572.705	16.597	25.280	691.619	455.532	339.272	116.260
2021	48253	31531.880	22937.953	8593.927	17.810	27.255	641.264	420.521	304.837	115.684
2022	48572	31560.212	22314.579	9245.633	19.035	29.295	640.437	417.708	294.222	123.486
2023	48859	31508.781	21676.344	9832.438	20.124	31.205	639.029	413.791	283.506	130.285
2024	49067	31517.293	21036.005	10481.29	21.361	33.256	636.656	410.740	272.947	137.793
2025	48784	31175.389	20279.682	10895.71	22.335	34.950	729.912	468.912	303.427	165.484
2026	45637	29044.598	18314.855	10729.74	23.511	36.942	679.989	435.206	272.891	162.315
2027	45443	28825.765	17547.576	11278.19	24.818	39.125	674.153	430.203	260.318	169.884
2028	45202	28513.846	16745.153	11768.69	26.036	41.274	667.509	423.769	247.282	176.487
2029	44923	28148.109	15900.676	12247.43	27.263	43.511	660.214	416.486	233.684	182.802
2030	43799	27314.475	15004.350	12310.13	28.106	45.068	761.006	478.407	260.699	217.708
2031	41157	25423.102	13614.427	11808.67	28.692	46.449	713.810	444.684	236.122	208.562
2032	40758	25085.902	12902.224	12183.68	29.893	48.568	705.187	437.933	223.231	214.702
2033	40339	24645.067	12151.823	12493.24	30.971	50.693	695.908	429.194	209.639	219.555
2034	39884	24239.126	11443.126	12796.00	32.083	52.791	685.859	420.967	196.778	224.189
2035	37950	22944.147	10495.483	12448.66	32.803	54.256	797.841	487.980	220.653	267.327
2036	33448	19950.581	8715.625	11234.96	33.590	56.314	703.846	424.953	183.405	241.547
2037	32879	19415.334	7991.633	11423.70	34.744	58.839	692.052	413.871	168.210	245.660
2038	32312	18939.317	7352.339	11586.98	35.859	61.179	679.721	403.701	154.663	249.038
2039	31760	18379.752	6700.133	11679.62	36.774	63.546	667.066	391.373	140.724	250.649

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3252916	398833.796	248719.454	150114.3	4.615	37.638	890.423	109.498	68.082	41.416

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12818.187	38.292	0.040	0.298	1393.01	185.775	185.222	0.553
1992	93721	12662.244	12556.206	106.037	0.113	0.837	1335.88	180.485	178.973	1.512
1993	93679	12730.613	12525.495	205.118	0.219	1.611	1316.45	178.900	176.017	2.883
1994	90833	12495.323	12168.640	326.683	0.360	2.614	1257.46	172.983	168.459	4.524
1995	89699	12365.590	11893.388	472.202	0.526	3.819	1222.52	168.534	162.096	6.438
1996	88288	12290.551	11633.581	656.971	0.744	5.345	1187.65	165.338	156.495	8.842
1997	84780	11719.531	10907.196	812.335	0.958	6.931	1124.65	155.473	144.690	10.783
1998	82521	11416.794	10419.104	997.690	1.209	8.739	1079.27	149.327	136.269	13.058
1999	93946	13028.038	11607.682	1420.356	1.512	10.902	1212.13	168.109	149.768	18.342
2000	90048	12426.299	10790.503	1635.796	1.817	13.164	1147.38	158.354	137.491	20.863
2001	86132	11939.281	10035.865	1903.416	2.210	15.942	1085.26	150.461	126.453	24.009
2002	83031	11528.794	9344.693	2184.101	2.630	18.945	1035.90	143.865	116.585	27.280
2003	79323	11048.407	8632.723	2415.684	3.045	21.865	980.327	136.581	106.689	29.892
2004	73887	10375.132	7768.083	2607.049	3.528	25.128	903.973	126.978	95.039	31.940
2005	71681	10051.029	7212.659	2838.371	3.960	28.240	867.228	121.652	87.261	34.390
2006	67589	9542.523	6507.179	3035.345	4.491	31.809	810.522	114.490	78.033	36.457
2007	63547	8936.533	5797.156	3139.377	4.940	35.130	754.387	106.151	68.820	37.331
2008	63224	8944.180	5513.750	3430.430	5.426	38.354	742.351	105.091	64.740	40.351
2009	59807	8390.033	4934.336	3455.697	5.778	41.188	694.249	97.471	57.279	40.192
2010	58077	8157.570	4545.688	3611.882	6.219	44.276	666.364	93.685	52.157	41.528
2011	57447	8035.356	4217.604	3817.752	6.646	47.512	652.859	91.414	47.931	43.482
2012	57502	7970.766	3922.314	4048.452	7.041	50.791	646.713	89.752	44.114	45.638
2013	57170	7743.216	3603.122	4140.094	7.242	53.467	635.996	86.254	40.083	46.171
2014	57656	7774.935	3393.195	4381.740	7.600	56.357	634.273	85.658	37.329	48.329
2015	58531	7722.535	3212.280	4510.255	7.706	58.404	719.623	95.120	39.494	55.626
2016	58811	7600.353	2971.242	4629.111	7.871	60.907	716.043	92.723	36.176	56.548
2017	59176	7470.266	2747.233	4723.033	7.981	63.224	713.523	90.274	33.125	57.149
2018	56258	6907.050	2378.710	4528.340	8.049	65.561	671.753	82.675	28.403	54.272
2019	56086	6732.046	2192.247	4539.799	8.094	67.436	663.072	79.801	25.918	53.883
2020	55534	6429.836	1998.128	4431.708	7.980	68.924	743.586	86.373	26.755	59.619
2021	56539	6562.016	1889.161	4672.854	8.265	71.211	751.385	87.513	25.106	62.407
2022	56095	6352.366	1715.866	4636.500	8.265	72.989	739.624	84.075	22.624	61.451
2023	55628	6134.123	1564.708	4569.415	8.214	74.492	727.559	80.557	20.465	60.092
2024	55081	5922.193	1422.679	4499.514	8.169	75.977	714.695	77.179	18.460	58.720
2025	53628	5504.188	1280.456	4223.732	7.876	76.737	802.386	82.789	19.158	63.631
2026	55651	5641.075	1232.279	4408.796	7.922	78.155	829.199	84.526	18.361	66.165
2027	54594	5426.216	1122.544	4303.672	7.883	79.313	809.900	80.982	16.653	64.329
2028	53507	5197.830	1013.866	4183.964	7.819	80.494	790.160	77.249	14.972	62.277
2029	52413	4973.547	919.324	4054.222	7.735	81.516	770.279	73.590	13.511	60.079
2030	49934	4450.618	801.256	3649.362	7.308	81.997	867.604	77.952	13.922	64.030
2031	52499	4555.052	776.590	3778.463	7.197	82.951	910.514	79.674	13.469	66.205
2032	51210	4349.999	699.170	3650.829	7.129	83.927	886.026	75.939	12.097	63.842
2033	49933	4147.948	630.021	3517.927	7.045	84.811	861.434	72.237	10.869	61.368
2034	48648	3966.133	567.319	3398.814	6.987	85.696	836.562	68.881	9.756	59.125
2035	45097	3289.064	463.072	2825.993	6.266	85.921	948.107	69.952	9.735	60.217
2036	46984	3313.192	434.639	2878.553	6.127	86.882	988.689	70.572	9.146	61.426
2037	45490	3117.951	381.678	2736.273	6.015	87.759	957.484	66.464	8.034	58.431
2038	44039	2949.775	335.827	2613.948	5.936	88.615	926.393	62.876	7.064	55.811
2039	42645	2766.312	297.917	2468.396	5.788	89.231	895.670	58.905	6.257	52.648

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Rate	Rates	Rates
All Comb	1357247	104899.750	64367.528	40532.22	2.986	38.639

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000
1991	32505	3207.063	3196.262	10.801	0.033	0.337
1992	32560	3218.125	3188.174	29.950	0.092	0.931
1993	32768	3226.680	3167.725	58.956	0.180	1.827
1994	33005	3277.266	3179.146	98.119	0.297	2.994
1995	33730	3309.378	3163.506	145.872	0.432	4.408
1996	33751	3312.987	3108.510	204.477	0.606	6.172
1997	33700	3267.066	2999.422	267.644	0.794	8.192
1998	33276	3178.725	2849.499	329.226	0.989	10.357
1999	33893	3120.351	2725.143	395.208	1.166	12.665
2000	33830	3142.808	2662.406	480.403	1.420	15.286
2001	32510	2961.588	2428.365	533.223	1.640	18.005
2002	32084	2940.627	2318.261	622.366	1.940	21.164
2003	30576	2819.545	2133.256	686.289	2.245	24.340
2004	29398	2730.466	1980.198	750.268	2.552	27.478
2005	27966	2670.510	1848.066	822.444	2.941	30.797
2006	27216	2623.285	1729.339	893.946	3.285	34.077
2007	26320	2536.599	1589.128	947.471	3.600	37.352
2008	26019	2469.443	1474.990	994.454	3.822	40.270
2009	25064	2386.945	1354.441	1032.504	4.119	43.256
2010	24868	2329.274	1255.000	1074.275	4.320	46.121
2011	24825	2286.581	1161.031	1125.549	4.534	49.224
2012	24537	2243.311	1072.053	1171.258	4.773	52.211
2013	24494	2176.503	976.631	1199.872	4.899	55.128
2014	25346	2211.619	935.336	1276.283	5.035	57.708
2015	26375	2237.016	899.449	1337.567	5.071	59.792
2016	26803	2229.057	843.093	1385.964	5.171	62.177
2017	27694	2221.649	792.778	1428.871	5.159	64.316
2018	25336	1939.420	654.170	1285.250	5.073	66.270
2019	25519	1904.400	604.585	1299.814	5.094	68.253
2020	25479	1806.054	545.149	1260.905	4.949	69.815
2021	25560	1748.172	495.475	1252.697	4.901	71.658
2022	25662	1701.148	450.948	1250.200	4.872	73.492
2023	25755	1652.087	411.767	1240.319	4.816	75.076
2024	25805	1597.127	372.953	1224.173	4.744	76.648
2025	25418	1467.622	329.916	1137.707	4.476	77.520
2026	25654	1390.505	296.703	1093.802	4.264	78.662
2027	25450	1342.095	270.669	1071.426	4.210	79.832
2028	25221	1289.536	245.043	1044.493	4.141	80.998
2029	24980	1242.216	223.618	1018.598	4.078	81.998
2030	24184	1096.803	190.050	906.753	3.749	82.672
2031	24204	1019.991	167.636	852.355	3.522	83.565
2032	23870	977.406	150.211	827.195	3.465	84.632
2033	23527	937.450	135.833	801.617	3.407	85.510
2034	23160	900.763	122.070	778.693	3.362	86.448
2035	22023	745.023	97.792	647.232	2.939	86.874
2036	21200	680.360	82.785	597.575	2.819	87.832
2037	20702	644.109	73.202	570.907	2.758	88.635
2038	20205	612.448	64.360	548.088	2.713	89.491
2039	19716	577.529	58.366	519.163	2.633	89.894

Results for PHIM for Run 6 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2171929	862051.244	633981.827	228069.4	10.501	26.457	594.524	236.673	173.540	63.132

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11597.162	5.771	0.022	0.050	383.818	167.661	167.578	0.083
1992	26828	11831.375	11818.391	12.984	0.048	0.110	382.401	168.642	168.457	0.185
1993	29774	13246.371	13218.093	28.278	0.095	0.213	418.406	186.148	185.750	0.398
1994	29804	13355.662	13310.952	44.709	0.150	0.335	412.601	184.893	184.273	0.621
1995	29755	13397.439	13329.148	68.291	0.230	0.510	405.538	182.598	181.664	0.934
1996	30901	13960.356	13867.255	93.101	0.301	0.667	415.677	187.801	186.543	1.258
1997	31129	14109.552	13979.746	129.807	0.417	0.920	412.944	187.180	185.449	1.730
1998	32098	14599.657	14412.734	186.923	0.582	1.280	419.796	190.958	188.501	2.457
1999	34618	15728.102	15466.499	261.604	0.756	1.663	446.664	202.950	199.556	3.394
2000	34303	15579.803	15247.159	332.645	0.970	2.135	437.079	198.541	194.277	4.264
2001	34597	15696.614	15279.645	416.969	1.205	2.656	435.927	197.812	192.525	5.287
2002	34298	15519.777	14999.749	520.029	1.516	3.351	427.904	193.668	187.138	6.530
2003	35084	15888.389	15243.305	645.084	1.839	4.060	433.585	196.413	188.386	8.027
2004	33524	15091.573	14352.723	738.850	2.204	4.896	410.149	184.701	175.598	9.103
2005	35408	15803.656	14880.991	922.664	2.606	5.838	428.380	191.278	180.036	11.243
2006	34000	15100.563	14070.259	1030.305	3.030	6.823	407.729	181.174	168.728	12.446
2007	34024	14974.384	13783.838	1190.545	3.499	7.951	403.906	177.871	163.632	14.239
2008	37457	16406.197	14934.975	1471.222	3.928	8.967	439.801	192.768	175.360	17.408
2009	36863	16083.194	14431.809	1651.385	4.480	10.268	427.917	186.846	167.527	19.319
2010	36832	15927.400	14104.312	1823.089	4.950	11.446	422.604	182.917	161.831	21.086
2011	37688	16221.836	14117.404	2104.432	5.584	12.973	428.309	184.547	160.439	24.108
2012	38326	16358.849	13999.940	2358.909	6.155	14.420	431.050	184.202	157.456	26.747
2013	40185	16994.822	14280.108	2714.714	6.755	15.974	447.048	189.311	158.861	30.450
2014	40167	16855.093	13879.390	2975.703	7.408	17.655	441.881	185.696	152.687	33.008
2015	42300	17572.483	14243.818	3328.665	7.869	18.942	520.064	216.445	175.125	41.320
2016	42719	17579.955	13914.058	3665.897	8.581	20.853	520.117	214.473	169.408	45.066
2017	44496	18080.688	13975.064	4105.624	9.227	22.707	536.514	218.496	168.507	49.989
2018	45508	18209.262	13744.971	4464.291	9.810	24.517	543.395	217.960	164.123	53.836
2019	47047	18648.302	13725.351	4922.951	10.464	26.399	556.214	221.054	162.267	58.787
2020	48528	19002.597	13675.379	5327.218	10.978	28.034	649.774	255.266	183.110	72.156
2021	48557	18885.717	13193.819	5691.898	11.722	30.139	645.303	251.867	175.341	76.526
2022	49954	19235.076	13046.554	6188.522	12.389	32.173	658.650	254.582	172.021	82.560
2023	51359	19521.158	12893.222	6627.936	12.905	33.953	671.729	256.363	168.631	87.732
2024	52706	19918.620	12756.405	7162.214	13.589	35.957	683.870	259.583	165.517	94.066
2025	53730	20150.545	12554.558	7595.987	14.137	37.696	803.913	303.086	187.843	115.243
2026	54612	20393.792	12282.824	8110.969	14.852	39.772	813.717	305.582	183.014	122.568
2027	55467	20615.351	11977.137	8638.214	15.574	41.902	822.846	307.668	177.681	129.988
2028	56265	20731.894	11627.948	9103.946	16.180	43.913	830.891	308.115	171.714	136.400
2029	57025	20781.967	11227.031	9554.936	16.756	45.977	838.072	307.495	164.998	142.497
2030	57296	20753.201	10856.223	9896.978	17.273	47.689	995.510	363.487	188.626	174.862
2031	58885	21048.417	10760.045	10288.37	17.472	48.880	1021.28	368.165	186.617	181.548
2032	59428	21169.329	10408.328	10761.00	18.108	50.833	1028.20	369.560	180.082	189.478
2033	59931	21109.293	9982.099	11127.19	18.567	52.712	1033.91	367.618	172.208	195.411
2034	60360	21109.429	9578.591	11530.84	19.103	54.624	1037.96	366.613	164.715	201.898
2035	59731	20794.840	9069.100	11725.74	19.631	56.388	1255.76	442.268	190.665	251.603
2036	56814	19354.577	8116.871	11237.71	19.780	58.062	1195.56	412.258	170.806	241.452
2037	56799	19064.169	7545.660	11518.51	20.279	60.420	1195.52	406.385	158.823	247.562
2038	56752	18854.812	7040.557	11814.25	20.817	62.659	1193.82	401.900	148.105	253.795
2039	56698	18437.457	6485.913	11951.54	21.079	64.822	1190.83	392.602	136.225	256.377

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Control File Details for Run: 7

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S2D
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_2
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 7, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 7, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	S2D
Note:	Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.001921	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.002360	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000188	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000093	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000047	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.002944	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.004193	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000412	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000578	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000218	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.003449	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.004264	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.001965	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000671	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000332	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.003294	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.004442	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000059	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.001351	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000661	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.002198	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.003788	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000304	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000239	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000119	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

25-29	253+	0.011854	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.012125	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.011376	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.010904	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.009673	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.008423	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.007684	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.006173	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.003536	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.002068	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.002068	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 7, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 7, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

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0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	13964	15.13	0	0.00			
5	All Ages	Ecig	12974	14.06					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26984	29.24			15.16	1683	6.24
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	347	9.79	0	0.00			
5	18-19	Ecig	637	17.97					
5	18-19	Dual	0	0.00					
5	18-19	Former	112	3.16			0.93	82	73.21
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	1125	12.44	0	0.00			
5	20-24	Ecig	1623	17.95					
5	20-24	Dual	0	0.00					
5	20-24	Former	505	5.59			2.88	131	25.94
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	1551	15.80	0	0.00			
5	25-29	Ecig	1648	16.79					
5	25-29	Dual	0	0.00					
5	25-29	Former	1146	11.67			5.46	114	9.95
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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5	30-34	Never Any	5065	47.50					
5	30-34	CC	1783	16.72	0	0.00			
5	30-34	Ecig	2024	18.98					
5	30-34	Dual	0	0.00					
5	30-34	Former	1792	16.80			6.96	109	6.08
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	1823	16.70	0	0.00			
5	35-39	Ecig	1960	17.96					
5	35-39	Dual	0	0.00					
5	35-39	Former	2409	22.07			8.23	118	4.90
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1563	15.81	0	0.00			
5	40-44	Ecig	1596	16.14					
5	40-44	Dual	0	0.00					
5	40-44	Former	2789	28.20			12.01	135	4.84
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1459	16.86	0	0.00			
5	45-49	Ecig	1281	14.80					
5	45-49	Dual	0	0.00					
5	45-49	Former	3003	34.70			13.97	159	5.29
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	1167	17.91	0	0.00			
5	50-54	Ecig	778	11.94					
5	50-54	Dual	0	0.00					
5	50-54	Former	2651	40.69			15.96	154	5.81
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	903	16.49	0	0.00			
5	55-59	Ecig	595	10.86					
5	55-59	Dual	0	0.00					
5	55-59	Former	2368	43.24			17.21	115	4.86
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	736	14.77	0	0.00			
5	60-64	Ecig	438	8.79					
5	60-64	Dual	0	0.00					
5	60-64	Former	2472	49.61			17.30	144	5.83
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	597	12.17	0	0.00			
5	65-69	Ecig	228	4.65					
5	65-69	Dual	0	0.00					
5	65-69	Former	2911	59.35			20.37	204	7.01
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	521	11.88	0	0.00			
5	70-74	Ecig	107	2.44					
5	70-74	Dual	0	0.00					
5	70-74	Former	2736	62.37			21.96	129	4.71
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	389	11.12	0	0.00			
5	75-79	Ecig	59	1.69					
5	75-79	Dual	0	0.00					
5	75-79	Former	2090	59.73			23.12	89	4.26
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	7102	7.55	0	0.00			
10	All Ages	Ecig	18505	19.67					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29308	31.15			16.89	1690	5.77
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	579	6.55	0	0.00			
10	20-24	Ecig	2431	27.48					
10	20-24	Dual	0	0.00					
10	20-24	Former	908	10.27			3.46	240	26.43
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	578	6.39	0	0.00			
10	25-29	Ecig	2182	24.14					
10	25-29	Dual	0	0.00					
10	25-29	Former	939	10.39			5.11	177	18.85
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	726	7.40	0	0.00			
10	30-34	Ecig	2385	24.30					
10	30-34	Dual	0	0.00					
10	30-34	Former	1429	14.56			8.79	103	7.21
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	887	8.32	0	0.00			
10	35-39	Ecig	2725	25.55					
10	35-39	Dual	0	0.00					
10	35-39	Former	2055	19.27			10.67	106	5.16
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	852	7.81	0	0.00			
10	40-44	Ecig	2612	23.93					
10	40-44	Dual	0	0.00					
10	40-44	Former	2728	24.99			11.92	129	4.73
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	754	7.62	0	0.00			
10	45-49	Ecig	2020	20.43					
10	45-49	Dual	0	0.00					
10	45-49	Former	3174	32.10			15.17	172	5.42
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	677	7.82	0	0.00			
10	50-54	Ecig	1607	18.57					
10	50-54	Dual	0	0.00					
10	50-54	Former	3459	39.97			16.74	183	5.29
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	560	8.60	0	0.00			
10	55-59	Ecig	1002	15.38					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		3034	46.57			18.56	163	5.37
10	60-64	Never Any		1611	29.41					
10	60-64	CC		448	8.18	0	0.00			
10	60-64	Ecig		723	13.20					
10	60-64	Dual		0	0.00					
10	60-64	Former		2695	49.21			19.75	138	5.12
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		376	7.55	0	0.00			
10	65-69	Ecig		478	9.59					
10	65-69	Dual		0	0.00					
10	65-69	Former		2792	56.03			19.97	131	4.69
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		343	6.99	0	0.00			
10	70-74	Ecig		214	4.36					
10	70-74	Dual		0	0.00					
10	70-74	Former		3179	64.81			23.42	85	2.67
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		322	7.34	0	0.00			
10	75-79	Ecig		126	2.87					
10	75-79	Dual		0	0.00					
10	75-79	Former		2916	66.47			25.43	63	2.16
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		3413	3.80	0	0.00			
15	All Ages	Ecig		18547	20.68					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		30296	33.77			18.50	1578	5.21
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		284	3.21	0	0.00			
15	25-29	Ecig		2582	29.19					
15	25-29	Dual		0	0.00					
15	25-29	Former		1345	15.21			6.41	166	12.34
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		251	2.78	0	0.00			
15	30-34	Ecig		2371	26.23					
15	30-34	Dual		0	0.00					
15	30-34	Former		1376	15.22			7.52	164	11.92
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		341	3.47	0	0.00			

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15	35-39	Ecig	2530	25.77					
15	35-39	Dual	0	0.00					
15	35-39	Former	1782	18.15			11.45	142	7.97
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	405	3.80	0	0.00			
15	40-44	Ecig	2786	26.13					
15	40-44	Dual	0	0.00					
15	40-44	Former	2476	23.22			13.30	206	8.32
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	393	3.60	0	0.00			
15	45-49	Ecig	2640	24.18					
15	45-49	Dual	0	0.00					
15	45-49	Former	3159	28.94			14.88	163	5.16
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	410	4.15	0	0.00			
15	50-54	Ecig	1979	20.01					
15	50-54	Dual	0	0.00					
15	50-54	Former	3559	35.99			18.22	147	4.13
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	377	4.36	0	0.00			
15	55-59	Ecig	1600	18.49					
15	55-59	Dual	0	0.00					
15	55-59	Former	3766	43.51			20.14	121	3.21
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	286	4.39	0	0.00			
15	60-64	Ecig	950	14.58					
15	60-64	Dual	0	0.00					
15	60-64	Former	3360	51.57			21.45	156	4.64
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	232	4.24	0	0.00			
15	65-69	Ecig	604	11.03					
15	65-69	Dual	0	0.00					
15	65-69	Former	3030	55.32			22.24	127	4.19
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	224	4.50	0	0.00			
15	70-74	Ecig	338	6.78					
15	70-74	Dual	0	0.00					
15	70-74	Former	3084	61.89			22.80	117	3.79
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	210	4.28	0	0.00			
15	75-79	Ecig	167	3.40					
15	75-79	Dual	0	0.00					
15	75-79	Former	3359	68.48			27.01	69	2.05
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	1599	1.89	0	0.00			
20	All Ages	Ecig	16243	19.15					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	30855	36.39			19.85	1517	4.92
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	124	1.40	0	0.00			
20	30-34	Ecig	2353	26.60					
20	30-34	Dual	0	0.00					
20	30-34	Former	1860	21.03			8.77	224	12.04
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	112	1.24	0	0.00			
20	35-39	Ecig	2091	23.13					
20	35-39	Dual	0	0.00					
20	35-39	Former	1846	20.42			9.89	146	7.91
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	157	1.60	0	0.00			
20	40-44	Ecig	2347	23.91					
20	40-44	Dual	0	0.00					
20	40-44	Former	2149	21.89			13.97	151	7.03
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	187	1.75	0	0.00			
20	45-49	Ecig	2535	23.77					
20	45-49	Dual	0	0.00					
20	45-49	Former	2945	27.62			15.73	170	5.77
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	192	1.76	0	0.00			
20	50-54	Ecig	2408	22.06					
20	50-54	Dual	0	0.00					
20	50-54	Former	3592	32.91			17.73	172	4.79
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	206	2.08	0	0.00			
20	55-59	Ecig	1701	17.20					
20	55-59	Dual	0	0.00					
20	55-59	Former	4041	40.86			20.68	197	4.88
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	175	2.02	0	0.00			
20	60-64	Ecig	1332	15.39					
20	60-64	Dual	0	0.00					
20	60-64	Former	4236	48.94			22.53	242	5.71
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	152	2.33	0	0.00			
20	65-69	Ecig	726	11.14					
20	65-69	Dual	0	0.00					
20	65-69	Former	3718	57.07			24.12	116	3.12
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	151	2.76	0	0.00			
20	70-74	Ecig	476	8.69					
20	70-74	Dual	0	0.00					
20	70-74	Former	3239	59.14			25.64	65	2.01
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	143	2.87	0	0.00			
20	75-79	Ecig	274	5.50					
20	75-79	Dual	0	0.00					
20	75-79	Former	3229	64.80			26.66	34	1.05
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	767	0.96	0	0.00			
25	All Ages	Ecig	13677	17.14					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	30626	38.37			21.90	1086	3.55
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	54	0.61	0	0.00			
25	35-39	Ecig	1998	22.59					
25	35-39	Dual	0	0.00					
25	35-39	Former	2304	26.05			11.56	139	6.03
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	46	0.51	0	0.00			
25	40-44	Ecig	1876	20.75					
25	40-44	Dual	0	0.00					

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25	40-44	Former	2127	23.53			13.18	112	5.27
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5163	52.60					
25	45-49	CC	76	0.77	0	0.00			
25	45-49	Ecig	2145	21.85					
25	45-49	Dual	0	0.00					
25	45-49	Former	2432	24.78			17.03	86	3.54
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4997	46.86					
25	50-54	CC	99	0.93	0	0.00			
25	50-54	Ecig	2339	21.93					
25	50-54	Dual	0	0.00					
25	50-54	Former	3229	30.28			19.07	127	3.93
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4724	43.28					
25	55-59	CC	79	0.72	0	0.00			
25	55-59	Ecig	2069	18.95					
25	55-59	Dual	0	0.00					
25	55-59	Former	4044	37.05			20.42	171	4.23
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	105	1.06	0	0.00			
25	60-64	Ecig	1336	13.51					
25	60-64	Dual	0	0.00					
25	60-64	Former	4507	45.58			23.22	203	4.50
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	94	1.09	0	0.00			
25	65-69	Ecig	961	11.10					
25	65-69	Dual	0	0.00					
25	65-69	Former	4688	54.17			25.10	135	2.88
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	112	1.72	0	0.00			
25	70-74	Ecig	570	8.75					
25	70-74	Dual	0	0.00					
25	70-74	Former	3914	60.08			27.77	70	1.79
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	102	1.86	0	0.00			
25	75-79	Ecig	383	6.99					
25	75-79	Dual	0	0.00					
25	75-79	Former	3381	61.73			29.44	43	1.27
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	33136	44.57					
30	All Ages	CC	346	0.47	0	0.00			
30	All Ages	Ecig	11147	14.99					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	29711	39.97			23.99	920	3.10
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	24	0.27	0	0.00			
30	40-44	Ecig	1753	19.82					
30	40-44	Dual	0	0.00					
30	40-44	Former	2579	29.16			15.01	112	4.34
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	19	0.21	0	0.00			
30	45-49	Ecig	1681	18.60					
30	45-49	Dual	0	0.00					
30	45-49	Former	2349	25.98			16.70	59	2.51
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	39	0.40	0	0.00			
30	50-54	Ecig	1987	20.24					
30	50-54	Dual	0	0.00					
30	50-54	Former	2627	26.76			20.51	97	3.69
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	47	0.44	0	0.00			
30	55-59	Ecig	1976	18.53					
30	55-59	Dual	0	0.00					
30	55-59	Former	3644	34.17			21.57	161	4.42
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	34	0.31	0	0.00			
30	60-64	Ecig	1594	14.60					
30	60-64	Dual	0	0.00					
30	60-64	Former	4564	41.81			22.75	208	4.56
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	52	0.53	0	0.00			
30	65-69	Ecig	980	9.91					
30	65-69	Dual	0	0.00					
30	65-69	Former	4916	49.71			26.06	135	2.75
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	57	0.66	0	0.00			
30	70-74	Ecig	730	8.43					
30	70-74	Dual	0	0.00					
30	70-74	Former	4956	57.26			28.59	94	1.90
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	74	1.14	0	0.00			
30	75-79	Ecig	446	6.85					
30	75-79	Dual	0	0.00					
30	75-79	Former	4076	62.56			31.56	54	1.32
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	166	0.24	0	0.00			
35	All Ages	Ecig	8714	12.85					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	27728	40.88			25.84	801	2.89
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	12	0.14	0	0.00			
35	45-49	Ecig	1560	17.64					
35	45-49	Dual	0	0.00					
35	45-49	Former	2784	31.48			18.71	61	2.19
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	9	0.10	0	0.00			
35	50-54	Ecig	1547	17.11					
35	50-54	Dual	0	0.00					
35	50-54	Former	2493	27.58			20.54	77	3.09
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	18	0.18	0	0.00			
35	55-59	Ecig	1637	16.68					
35	55-59	Dual	0	0.00					
35	55-59	Former	2998	30.54			22.60	162	5.40
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	24	0.23	0	0.00			
35	60-64	Ecig	1498	14.05					
35	60-64	Dual	0	0.00					
35	60-64	Former	4145	38.87			23.59	201	4.85
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	23	0.21	0	0.00			
35	65-69	Ecig	1147	10.51					
35	65-69	Dual	0	0.00					
35	65-69	Former	5022	46.01			25.42	160	3.19
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	39	0.39	0	0.00			
35	70-74	Ecig	763	7.72					
35	70-74	Dual	0	0.00					
35	70-74	Former	5146	52.04			29.77	75	1.46
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	41	0.47	0	0.00			
35	75-79	Ecig	562	6.49					
35	75-79	Dual	0	0.00					
35	75-79	Former	5140	59.39			32.47	65	1.26
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	71	0.12	0	0.00			
40	All Ages	Ecig	6477	10.95					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	24317	41.10			27.39	695	2.86
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any		4489	50.75					
40	50-54	CC		7	0.08	0	0.00			
40	50-54	Ecig		1412	15.96					
40	50-54	Dual		0	0.00					
40	50-54	Former		2937	33.21			22.56	82	2.79
Year of Follow-up: 2030, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any		4991	55.21					
40	55-59	CC		5	0.06	0	0.00			
40	55-59	Ecig		1291	14.28					
40	55-59	Dual		0	0.00					
40	55-59	Former		2753	30.45			23.31	115	4.18
Year of Follow-up: 2030, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any		5163	52.60					
40	60-64	CC		8	0.08	0	0.00			
40	60-64	Ecig		1221	12.44					
40	60-64	Dual		0	0.00					
40	60-64	Former		3424	34.88			24.40	181	5.29
Year of Follow-up: 2030, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any		4997	46.86					
40	65-69	CC		13	0.12	0	0.00			
40	65-69	Ecig		1103	10.34					
40	65-69	Dual		0	0.00					
40	65-69	Former		4551	42.68			26.24	135	2.97
Year of Follow-up: 2030, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any		4724	43.28					
40	70-74	CC		12	0.11	0	0.00			
40	70-74	Ecig		866	7.93					
40	70-74	Dual		0	0.00					
40	70-74	Former		5314	48.68			28.87	103	1.94
Year of Follow-up: 2030, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any		3941	39.85					
40	75-79	CC		26	0.26	0	0.00			

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

40	75-79	Ecig	584	5.91					
40	75-79	Dual	0	0.00					
40	75-79	Former	5338	53.98			33.59	79	1.48
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	26	0.05	0	0.00			
45	All Ages	Ecig	4544	9.22					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	20347	41.29			28.73	546	2.68
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

45	55-59	Never Any	4489	50.75					
45	55-59	CC	4	0.05	0	0.00			
45	55-59	Ecig	1185	13.40					
45	55-59	Dual	0	0.00					
45	55-59	Former	3167	35.81			25.69	105	3.32
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	2	0.02	0	0.00			
45	60-64	Ecig	1014	11.22					
45	60-64	Dual	0	0.00					
45	60-64	Former	3033	33.55			25.86	130	4.29
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	5	0.05	0	0.00			
45	65-69	Ecig	886	9.03					
45	65-69	Dual	0	0.00					
45	65-69	Former	3762	38.33			26.96	112	2.98
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	8	0.08	0	0.00			
45	70-74	Ecig	838	7.86					
45	70-74	Dual	0	0.00					
45	70-74	Former	4821	45.21			29.61	100	2.07
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	7	0.06	0	0.00			
45	75-79	Ecig	621	5.69					
45	75-79	Dual	0	0.00					
45	75-79	Former	5564	50.97			32.44	99	1.78
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	10	0.03	0	0.00			
50	All Ages	Ecig	2873	7.49					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	15842	41.29			30.31	405	2.56
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	1	0.01	0	0.00			
50	60-64	Ecig	870	9.84					
50	60-64	Dual	0	0.00					
50	60-64	Former	3485	39.40			28.07	137	3.93
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	719	7.95					
50	65-69	Dual	0	0.00					
50	65-69	Former	3330	36.84			28.30	114	3.42
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	4	0.04	0	0.00			
50	70-74	Ecig	654	6.66					
50	70-74	Dual	0	0.00					
50	70-74	Former	3995	40.70			30.23	76	1.90
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	5	0.05	0	0.00			
50	75-79	Ecig	630	5.91					
50	75-79	Dual	0	0.00					
50	75-79	Former	5032	47.19			33.24	78	1.55

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	3128172.592	1381218	10.504	30.630	3806.31	1305.37	905.538	399.833

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123703.256	296.186	0.095	0.239	4883.81	1933.45	1928.83	4.618
1992	308577	122014.015	121206.970	807.045	0.262	0.661	4729.73	1870.18	1857.81	12.370
1993	311713	122810.618	121281.237	1529.381	0.491	1.245	4692.62	1848.83	1825.80	23.024
1994	305700	119925.592	117542.488	2383.104	0.780	1.987	4516.19	1771.69	1736.49	35.206
1995	303225	117896.496	114491.223	3405.273	1.123	2.888	4393.80	1708.35	1659.00	49.343
1996	299559	115698.645	111151.602	4547.043	1.518	3.930	4273.16	1650.42	1585.56	64.863
1997	294226	113359.847	107642.499	5717.347	1.943	5.044	4128.67	1590.70	1510.47	80.228
1998	289258	111444.212	104535.150	6909.062	2.389	6.200	3992.19	1538.10	1442.74	95.355
1999	311002	114877.722	105492.334	9385.388	3.018	8.170	4224.60	1560.48	1432.99	127.490
2000	303786	112379.704	101521.105	10858.60	3.574	9.662	4066.21	1504.22	1358.87	145.344
2001	296294	110024.943	97575.344	12449.60	4.202	11.315	3914.28	1453.52	1289.05	164.469
2002	291898	108289.173	94033.579	14255.59	4.884	13.164	3813.00	1414.56	1228.34	186.218
2003	285865	106539.023	90643.409	15895.61	5.561	14.920	3695.36	1377.22	1171.74	205.481
2004	274177	103037.251	85878.563	17158.69	6.258	16.653	3506.10	1317.61	1098.19	219.421
2005	272379	103044.562	84158.860	18885.70	6.934	18.328	3442.69	1302.41	1063.71	238.703
2006	264118	99672.555	79191.730	20480.83	7.754	20.548	3307.76	1248.28	991.781	256.498
2007	258419	97839.152	76008.506	21830.65	8.448	22.313	3203.20	1212.75	942.153	270.599
2008	259461	98075.852	74587.093	23488.76	9.053	23.950	3180.09	1202.07	914.180	287.891
2009	253907	95617.338	70879.293	24738.04	9.743	25.872	3075.31	1158.11	858.487	299.626
2010	251878	94607.988	68561.210	26046.78	10.341	27.531	3013.72	1131.98	820.335	311.650
2011	251779	93633.119	65941.145	27691.97	10.999	29.575	2982.76	1109.25	781.189	328.060
2012	252643	92775.175	63479.320	29295.86	11.596	31.577	2960.61	1087.19	743.885	343.305
2013	256175	92345.780	61391.584	30954.20	12.083	33.520	2967.76	1069.82	711.215	358.601
2014	257393	91379.215	59017.693	32361.52	12.573	35.415	2947.05	1046.26	675.730	370.527
2015	259782	90750.242	57174.055	33576.19	12.925	36.998	3346.10	1168.90	736.426	432.475
2016	261453	88811.996	53856.608	34955.39	13.370	39.359	3336.15	1133.24	687.213	446.032
2017	263685	87325.126	51183.855	36141.27	13.706	41.387	3333.85	1104.08	647.134	456.945
2018	258714	87612.144	50379.838	37232.31	14.391	42.497	3240.73	1097.46	631.073	466.383
2019	261438	87797.760	49044.205	38753.56	14.823	44.140	3242.99	1089.08	608.366	480.716
2020	262288	87221.042	47578.987	39642.05	15.114	45.450	3715.29	1235.48	673.952	561.526
2021	255079	82001.292	42486.226	39515.07	15.491	48.188	3587.82	1153.39	597.590	555.799
2022	257097	81915.977	40974.982	40940.99	15.924	49.979	3588.53	1143.37	571.925	571.450
2023	259080	81810.810	39424.264	42386.55	16.360	51.810	3586.88	1132.64	545.817	586.828
2024	260719	81528.303	37928.304	43600.00	16.723	53.478	3579.65	1119.38	520.753	598.625
2025	257308	79599.213	36166.244	43432.97	16.880	54.565	4112.08	1272.09	577.978	694.109
2026	251528	75082.462	32251.143	42831.32	17.028	57.046	4003.24	1194.99	513.299	681.690
2027	250988	74444.425	30663.717	43780.71	17.443	58.810	3976.53	1179.46	485.821	693.640
2028	250285	73699.585	29013.867	44685.72	17.854	60.632	3945.35	1161.76	457.359	704.401
2029	249525	72819.703	27424.688	45395.01	18.193	62.339	3910.99	1141.36	429.847	711.509
2030	240528	69309.277	25607.397	43701.88	18.169	63.053	4504.36	1297.95	479.548	818.402
2031	235442	65433.368	22668.226	42765.14	18.164	65.357	4397.65	1222.18	423.403	798.778
2032	234017	64643.552	21273.208	43370.34	18.533	67.092	4356.12	1203.31	395.991	807.318
2033	232559	63793.514	20006.061	43787.45	18.829	68.639	4310.93	1182.54	370.851	811.685
2034	230963	63032.151	18785.246	44246.91	19.158	70.197	4260.75	1162.80	346.545	816.255
2035	215822	57653.301	17114.555	40538.75	18.783	70.315	4924.38	1315.47	390.501	924.969
2036	208183	52988.733	14348.252	38640.48	18.561	72.922	4748.94	1208.75	327.303	881.442
2037	205491	52026.921	13366.287	38660.63	18.814	74.309	4682.40	1185.50	304.569	880.934
2038	202834	50943.211	12322.417	38620.79	19.041	75.811	4612.18	1158.38	280.196	878.187
2039	200251	50085.991	11441.707	38644.28	19.298	77.156	4538.65	1135.19	259.324	875.866

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1782218.323	462769.8	15.094	20.613	887.537	649.875	515.914	133.962

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62887.781	30.621	0.039	0.049	1223.41	981.049	980.572	0.477
1992	77987	62366.766	62283.168	83.598	0.107	0.134	1195.35	955.930	954.648	1.281
1993	78542	62652.888	62486.089	166.799	0.212	0.266	1182.39	943.195	940.684	2.511
1994	77437	61565.227	61297.760	267.467	0.345	0.434	1144.00	909.520	905.569	3.951
1995	76904	60851.961	60455.038	396.923	0.516	0.652	1114.36	881.759	876.007	5.751
1996	76232	60122.922	59558.491	564.430	0.740	0.939	1087.44	857.643	849.591	8.051
1997	75473	59237.155	58489.266	747.888	0.991	1.263	1059.06	831.234	820.740	10.495
1998	75381	58906.696	57928.178	978.518	1.298	1.661	1040.37	813.001	799.496	13.505
1999	73159	56930.073	55717.186	1212.887	1.658	2.130	993.781	773.329	756.854	16.476
2000	73784	57137.121	55612.498	1524.623	2.066	2.668	987.608	764.787	744.380	20.407
2001	73294	56481.726	54601.968	1879.758	2.565	3.328	968.273	746.169	721.336	24.833
2002	72442	55588.365	53329.898	2258.467	3.118	4.063	946.293	726.138	696.636	29.502
2003	71942	54945.856	52266.099	2679.758	3.725	4.877	929.989	710.281	675.640	34.641
2004	71301	54203.126	51050.833	3152.293	4.421	5.816	911.778	693.135	652.824	40.311
2005	70964	53744.603	50105.044	3639.559	5.129	6.772	896.937	679.296	633.294	46.002
2006	69658	52535.572	48372.271	4163.301	5.977	7.925	872.383	657.945	605.805	52.140
2007	68565	51492.124	46805.644	4686.480	6.835	9.101	849.888	638.264	580.173	58.091
2008	68226	51030.736	45702.810	5327.925	7.809	10.441	836.215	625.460	560.158	65.302
2009	67509	50276.199	44294.363	5981.836	8.861	11.898	817.667	608.943	536.492	72.452
2010	67196	49840.933	43228.205	6612.728	9.841	13.268	804.000	596.347	517.225	79.121
2011	66506	49072.841	41729.048	7343.793	11.042	14.965	787.880	581.354	494.354	87.000
2012	66155	48539.512	40412.608	8126.904	12.285	16.743	775.240	568.812	473.577	95.235
2013	65333	47675.741	38839.420	8836.321	13.525	18.534	756.876	552.318	449.950	102.368
2014	65033	47194.534	37620.397	9574.137	14.722	20.287	744.602	540.359	430.739	109.620
2015	64145	46305.842	36096.593	10209.25	15.916	22.047	726.215	526.439	414.939	131.499
2016	61618	44208.867	33588.347	10620.52	17.236	24.024	786.248	564.107	428.589	135.518
2017	59897	42702.624	31622.161	11080.46	18.499	25.948	757.297	539.903	399.809	140.094
2018	62468	44321.202	31761.503	12559.70	20.106	28.338	782.490	555.181	397.854	157.327
2019	63045	44493.088	30931.151	13561.94	21.512	30.481	782.035	551.912	383.684	168.228
2020	63466	44529.551	30032.281	14497.27	22.843	32.557	898.991	630.757	425.405	205.353
2021	57113	39852.556	25932.871	13919.68	24.372	34.928	803.323	560.546	364.759	195.787
2022	57440	39853.685	24968.775	14884.91	25.914	37.349	801.745	556.274	348.512	207.762
2023	57738	39847.050	23973.831	15873.22	27.492	39.835	799.366	551.670	331.910	219.760
2024	57942	39726.010	22983.580	16742.43	28.895	42.145	795.539	545.435	315.563	229.872
2025	57521	39207.348	21863.034	17344.31	30.153	44.237	919.257	626.579	349.397	277.182
2026	51428	34803.960	18616.065	16187.90	31.477	46.512	818.510	553.929	296.287	257.641
2027	51172	34484.595	17602.103	16882.49	32.992	48.957	810.740	546.357	278.879	267.478
2028	50870	34100.638	16556.294	17544.34	34.489	51.449	801.884	537.544	260.984	276.559
2029	50540	33669.838	15558.350	18111.49	35.836	53.791	792.146	527.732	243.857	283.875
2030	49109	32557.688	14457.944	18099.74	36.856	55.593	919.662	609.705	270.753	338.952
2031	43585	28646.393	12082.276	16564.12	38.004	57.823	814.096	535.065	225.676	309.389
2032	43163	28227.160	11255.848	16971.31	39.319	60.124	803.454	525.435	209.522	315.913
2033	42725	27786.623	10501.260	17285.36	40.457	62.207	791.996	515.079	194.661	320.418
2034	42256	27348.299	9781.784	17566.51	41.572	64.233	779.523	504.514	180.452	324.062
2035	39748	25570.077	8848.692	16721.39	42.068	65.394	906.933	583.430	201.900	381.530
2036	34030	21717.319	6958.289	14759.03	43.371	67.960	776.269	495.402	158.728	336.674
2037	33454	21256.024	6439.628	14816.40	44.289	69.704	762.289	484.347	146.736	337.611
2038	32883	20747.175	5898.322	14848.85	45.156	71.570	747.720	471.764	134.120	337.644
2039	32325	20327.688	5447.539	14880.15	46.033	73.201	732.644	460.724	123.468	337.256

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	6360041	1098877.421	564360.442	534517.0	8.404	48.642	1841.09	318.101	163.370	154.731

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	37084.129	225.708	0.134	0.605	2620.21	581.750	578.231	3.519
1992	164548	36137.488	35520.709	616.779	0.375	1.707	2522.12	553.899	544.445	9.454
1993	164362	35599.588	34447.386	1152.201	0.701	3.237	2474.35	535.926	518.581	17.346
1994	159866	34336.757	32556.778	1779.979	1.113	5.184	2361.75	507.267	480.970	26.296
1995	158083	33455.759	30936.483	2519.275	1.594	7.530	2290.66	484.782	448.277	36.505
1996	154875	32193.824	28878.741	3315.083	2.140	10.297	2209.26	459.239	411.950	47.289
1997	149970	30665.509	26566.015	4099.494	2.734	13.368	2104.43	430.308	372.783	57.525
1998	145407	29188.430	24338.565	4849.865	3.335	16.616	2006.83	402.844	335.909	66.935
1999	165952	33375.386	26535.945	6839.441	4.121	20.492	2254.27	453.366	360.460	92.906
2000	160260	32024.754	24269.981	7754.774	4.839	24.215	2145.10	428.655	324.857	103.799
2001	154444	30682.393	21956.815	8725.578	5.650	28.438	2040.33	405.339	290.067	115.272
2002	151887	30218.370	20346.995	9871.374	6.499	32.667	1984.06	394.736	265.788	128.947
2003	146733	29175.202	18410.387	10764.81	7.336	36.897	1896.81	377.146	237.990	139.156
2004	138381	27488.687	16194.796	11293.89	8.161	41.086	1769.58	351.518	207.095	144.423
2005	135881	27017.439	14884.367	12133.07	8.929	44.908	1717.44	341.482	188.128	153.354
2006	131922	26231.435	13302.153	12929.28	9.801	49.289	1652.16	328.517	166.593	161.924
2007	126502	25103.049	11759.779	13343.27	10.548	53.154	1568.04	311.161	145.767	165.395
2008	125859	24621.740	10725.237	13896.50	11.041	56.440	1542.60	301.777	131.454	170.323
2009	122428	23741.177	9574.172	14167.01	11.572	59.673	1482.84	287.552	115.962	171.590
2010	120537	23189.160	8678.555	14510.60	12.038	62.575	1442.22	277.458	103.839	173.619
2011	120221	22786.927	7840.158	14946.77	12.433	65.594	1424.23	269.951	92.880	177.071
2012	120927	22485.295	7152.318	15332.98	12.680	68.191	1417.09	263.495	83.815	179.680
2013	122648	22251.884	6542.693	15709.19	12.808	70.597	1420.86	257.786	75.796	181.989
2014	123229	21894.593	5965.735	15928.86	12.926	72.752	1410.92	250.685	68.305	182.379
2015	123774	21471.109	5466.663	16004.45	12.930	74.539	1594.26	276.557	70.413	206.144
2016	126218	21411.568	4996.712	16414.86	13.005	76.663	1610.55	273.213	63.758	209.454
2017	128265	21169.399	4579.259	16590.14	12.934	78.368	1621.69	267.651	57.897	209.754
2018	121429	19830.576	3909.978	15920.60	13.111	80.283	1521.05	248.404	48.978	199.426
2019	121832	19431.014	3559.679	15871.34	13.027	81.680	1511.26	241.031	44.156	196.875
2020	120811	18532.612	3185.370	15347.24	12.704	82.812	1711.27	262.513	45.121	217.392
2021	119407	18234.128	2865.645	15368.48	12.871	84.284	1679.51	256.472	40.307	216.165
2022	119438	17812.559	2599.863	15212.70	12.737	85.404	1667.10	248.626	36.289	212.337
2023	119445	17361.668	2341.608	15020.06	12.575	86.513	1653.68	240.367	32.419	207.948
2024	119305	16929.676	2134.165	14795.51	12.401	87.394	1638.05	232.443	29.302	203.141
2025	115685	15501.666	1866.690	13634.98	11.786	87.958	1848.78	247.735	29.832	217.903
2026	115073	15523.814	1720.961	13802.85	11.995	88.914	1831.46	247.072	27.390	219.682
2027	113989	15073.070	1572.616	13500.45	11.844	89.567	1805.98	238.810	24.916	213.895
2028	112855	14636.710	1437.837	13198.87	11.695	90.176	1778.98	230.725	22.665	208.060
2029	111718	14180.166	1318.185	12861.98	11.513	90.704	1751.04	222.256	20.661	201.595
2030	104851	12111.772	1099.744	11012.03	10.503	90.920	1963.54	226.816	20.595	206.221
2031	105289	12417.367	1066.734	11350.63	10.780	91.409	1966.62	231.935	19.925	212.010
2032	103879	12054.064	985.267	11068.80	10.655	91.826	1933.67	224.381	18.340	206.040
2033	102485	11672.389	907.500	10764.89	10.504	92.225	1899.76	216.370	16.822	199.548
2034	101070	11365.762	849.159	10516.60	10.405	92.529	1864.51	209.673	15.665	194.007
2035	90820	8580.360	630.707	7949.653	8.753	92.649	2072.23	195.777	14.391	181.387
2036	92117	8948.841	624.394	8324.447	9.037	93.023	2101.31	204.135	14.243	189.892
2037	90327	8624.570	591.701	8032.869	8.893	93.139	2058.21	196.522	13.483	183.040
2038	88590	8315.017	553.023	7761.994	8.762	93.349	2014.42	189.073	12.575	176.498
2039	86921	8001.132	516.364	7484.767	8.611	93.546	1970.05	181.344	11.703	169.641

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	1489699	149918.462	75995.949	73922.51	4.962	49.308	431.236	43.398	21.999	21.399

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	0.000	
1991	32619	4555.566	4528.361	27.205	0.083	0.597	508.609	71.032	70.608	0.424
1992	32100	4453.572	4380.643	72.929	0.227	1.638	492.014	68.262	67.145	1.118
1993	32896	4462.473	4321.719	140.754	0.428	3.154	495.226	67.179	65.060	2.119
1994	33323	4499.513	4273.027	226.486	0.680	5.034	492.290	66.473	63.127	3.346
1995	33569	4472.774	4145.384	327.391	0.975	7.320	486.422	64.812	60.068	4.744
1996	33870	4406.878	3965.012	441.866	1.305	10.027	483.150	62.863	56.560	6.303
1997	33516	4288.158	3728.168	559.990	1.671	13.059	470.307	60.173	52.315	7.858
1998	32795	4120.148	3448.586	671.562	2.048	16.299	452.620	56.864	47.596	9.269
1999	33375	3982.443	3197.835	784.608	2.351	19.702	453.361	54.097	43.439	10.658
2000	33459	4021.411	3084.483	936.929	2.800	23.299	447.853	53.827	41.286	12.541
2001	32275	3848.092	2802.464	1045.628	3.240	27.173	426.379	50.836	37.023	13.814
2002	31586	3783.081	2610.936	1172.145	3.711	30.984	412.601	49.418	34.106	15.311
2003	30985	3754.415	2436.964	1317.451	4.252	35.091	400.541	48.533	31.502	17.031
2004	29884	3666.274	2234.259	1432.016	4.792	39.059	382.149	46.883	28.571	18.312
2005	28708	3589.688	2049.640	1540.048	5.365	42.902	362.850	45.371	25.906	19.465
2006	28188	3596.985	1904.416	1692.569	6.005	47.055	353.021	45.048	23.851	21.197
2007	28026	3560.798	1752.243	1808.555	6.453	50.791	347.392	44.137	21.720	22.418
2008	27128	3417.001	1561.552	1855.449	6.840	54.301	332.495	41.881	19.139	22.741
2009	27068	3394.390	1437.827	1956.563	7.228	57.641	327.847	41.113	17.415	23.698
2010	26911	3340.137	1318.774	2021.364	7.511	60.517	321.990	39.965	15.779	24.186
2011	26959	3285.435	1204.845	2080.590	7.718	63.328	319.377	38.922	14.274	24.648
2012	27057	3259.209	1100.641	2158.568	7.978	66.230	317.068	38.193	12.898	25.295
2013	27904	3274.703	1021.057	2253.646	8.076	68.820	323.265	37.937	11.829	26.108
2014	28792	3298.083	947.946	2350.136	8.162	71.258	329.657	37.762	10.854	26.908
2015	29560	3244.406	869.891	2374.515	8.033	73.188	380.745	41.789	11.205	30.585
2016	30513	3314.836	813.761	2501.075	8.197	75.451	389.347	42.297	10.384	31.914
2017	31416	3333.314	753.104	2580.210	8.213	77.407	397.202	42.144	9.522	32.622
2018	29348	2925.242	613.758	2311.484	7.876	79.019	367.626	36.642	7.688	28.954
2019	29598	2864.628	556.755	2307.873	7.797	80.564	367.149	35.534	6.906	28.628
2020	29592	2730.366	494.469	2235.897	7.556	81.890	419.174	38.675	7.004	31.671
2021	30097	2647.911	446.756	2201.155	7.314	83.128	423.328	37.244	6.284	30.960
2022	30304	2586.165	404.365	2181.799	7.200	84.364	422.974	36.097	5.644	30.453
2023	30505	2517.960	363.550	2154.410	7.062	85.562	422.337	34.860	5.033	29.827
2024	30661	2454.161	330.570	2123.590	6.926	86.530	420.968	33.695	4.539	29.157
2025	30254	2275.364	288.319	1987.045	6.568	87.329	483.488	36.363	4.608	31.755
2026	30685	2183.166	258.149	1925.018	6.273	88.175	488.380	34.747	4.109	30.638
2027	30561	2112.345	234.117	1878.228	6.146	88.917	484.196	33.467	3.709	29.758
2028	30412	2046.677	214.156	1832.521	6.026	89.536	479.392	32.263	3.376	28.887
2029	30254	1977.671	194.929	1782.743	5.893	90.144	474.195	30.997	3.055	27.942
2030	29330	1744.457	163.953	1580.504	5.389	90.602	549.260	32.668	3.070	29.598
2031	28976	1653.738	148.803	1504.935	5.194	91.002	541.223	30.889	2.779	28.110
2032	28724	1603.120	136.155	1466.966	5.107	91.507	534.690	29.841	2.534	27.307
2033	28464	1548.245	124.806	1423.438	5.001	91.939	527.627	28.700	2.314	26.386
2034	28178	1511.985	116.418	1395.567	4.953	92.300	519.826	27.893	2.148	25.745
2035	26737	1239.866	92.272	1147.594	4.292	92.558	610.065	28.290	2.105	26.185
2036	25591	1182.522	84.073	1098.449	4.292	92.890	583.762	26.975	1.918	25.057
2037	25143	1134.483	79.504	1054.979	4.196	92.992	572.916	25.851	1.812	24.039
2038	24693	1093.537	74.358	1019.179	4.127	93.200	561.491	24.866	1.691	23.175
2039	24247	1047.905	69.012	978.893	4.037	93.414	549.553	23.751	1.564	22.186

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	705597.879	310008.7	13.882	30.524	646.447	293.996	204.255	89.741

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19202.985	12.651	0.037	0.066	531.576	299.618	299.421	0.197
1992	33942	19056.189	19022.449	33.740	0.099	0.177	520.248	292.085	291.568	0.517
1993	35913	20095.670	20026.042	69.627	0.194	0.346	540.645	302.526	301.478	1.048
1994	35074	19524.095	19414.923	109.172	0.311	0.559	518.158	288.435	286.822	1.613
1995	34669	19116.002	18954.317	161.685	0.466	0.846	502.362	276.995	274.652	2.343
1996	34582	18975.021	18749.358	225.663	0.653	1.189	493.306	270.675	267.456	3.219
1997	35267	19169.025	18859.049	309.975	0.879	1.617	494.878	268.986	264.636	4.350
1998	35675	19228.937	18819.820	409.118	1.147	2.128	492.368	265.388	259.742	5.646
1999	38516	20589.820	20041.368	548.453	1.424	2.664	523.195	279.689	272.239	7.450
2000	36283	19196.417	18554.143	642.274	1.770	3.346	485.652	256.946	248.349	8.597
2001	36281	19012.731	18214.097	798.634	2.201	4.201	479.301	251.174	240.623	10.551
2002	35983	18699.357	17745.749	953.608	2.650	5.100	470.038	244.265	231.809	12.457
2003	36205	18663.550	17529.960	1133.590	3.131	6.074	468.019	241.262	226.608	14.654
2004	34611	17679.164	16398.675	1280.489	3.700	7.243	442.596	226.076	209.702	16.375
2005	36826	18692.832	17119.808	1573.023	4.272	8.415	465.456	236.265	216.383	19.882
2006	34350	17308.564	15612.890	1695.674	4.936	9.797	430.192	216.769	195.533	21.236
2007	35326	17683.181	15690.840	1992.342	5.640	11.267	437.879	219.189	194.494	24.696
2008	38248	19006.374	16597.494	2408.880	6.298	12.674	468.788	232.952	203.428	29.525
2009	36902	18205.573	15572.932	2632.641	7.134	14.461	446.956	220.505	188.619	31.886
2010	37234	18237.758	15335.676	2902.082	7.794	15.912	445.505	218.215	183.491	34.723
2011	38093	18487.916	15167.094	3320.822	8.718	17.962	451.279	219.022	179.681	39.341
2012	38504	18491.158	14813.753	3677.406	9.551	19.887	451.211	216.689	173.596	43.094
2013	40290	19143.452	14988.414	4155.038	10.313	21.705	466.755	221.775	173.639	48.136
2014	40339	18992.005	14483.614	4508.391	11.176	23.738	461.866	217.451	165.832	51.619
2015	42303	19728.885	14740.908	4987.977	11.791	25.283	544.880	254.116	189.869	64.247
2016	43104	19876.724	14457.788	5418.936	12.572	27.263	550.009	253.628	184.482	69.146
2017	44107	20119.790	14229.330	5890.460	13.355	29.277	557.659	254.381	179.906	74.475
2018	45469	20535.123	14094.599	6440.524	14.165	31.363	569.564	257.229	176.553	80.676
2019	46963	21009.029	13996.619	7012.410	14.932	33.378	582.552	260.605	173.620	86.985
2020	48419	21428.512	13866.867	7561.645	15.617	35.288	685.853	303.533	196.423	107.110
2021	48463	21266.697	13240.955	8025.742	16.561	37.739	681.652	299.127	186.241	112.886
2022	49915	21663.568	13001.979	8661.589	17.353	39.982	696.712	302.378	181.480	120.898
2023	51391	22084.131	12745.275	9338.856	18.172	42.288	711.491	305.748	176.454	129.294
2024	52811	22418.456	12479.988	9938.468	18.819	44.332	725.093	307.804	171.349	136.455
2025	53848	22614.834	12148.201	10466.63	19.437	46.282	860.553	361.411	194.142	167.269
2026	54342	22571.522	11655.968	10915.55	20.087	48.360	864.886	359.241	185.513	173.728
2027	55267	22774.416	11254.881	11519.53	20.844	50.581	875.619	360.827	178.317	182.510
2028	56149	22915.561	10805.580	12109.98	21.568	52.846	885.102	361.228	170.333	190.895
2029	57014	22992.027	10353.224	12638.80	22.168	54.970	893.616	360.371	162.274	198.097
2030	57238	22895.360	9885.756	13009.60	22.729	56.822	1071.90	428.760	185.130	243.630
2031	57592	22715.871	9370.414	13345.46	23.172	58.749	1075.71	424.293	175.023	249.270
2032	58251	22759.207	8895.938	13863.27	23.799	60.913	1084.31	423.652	165.594	258.058
2033	58885	22786.258	8472.495	14313.76	24.308	62.818	1091.54	422.387	157.054	265.333
2034	59460	22806.106	8037.885	14768.22	24.837	64.756	1096.89	420.721	148.281	272.440
2035	58516	22262.998	7542.884	14720.11	25.156	66.119	1335.15	507.973	172.105	335.868
2036	56446	21140.051	6681.496	14458.56	25.615	68.394	1287.60	482.234	152.414	329.819
2037	56568	21011.845	6255.454	14756.39	26.086	70.229	1288.98	478.783	142.539	336.244
2038	56668	20787.483	5796.715	14990.77	26.454	72.114	1288.55	472.681	131.810	340.871
2039	56758	20709.267	5408.792	15300.47	26.958	73.882	1286.40	469.372	122.589	346.783

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13266995	4509390.583	3143905.691	1365485	10.292	30.281	3813.12	1305.37	903.603	401.768

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123703.256	296.186	0.095	0.239	4883.81	1933.45	1928.83	4.618
1992	308579	122014.015	121207.646	806.370	0.261	0.661	4729.73	1870.18	1857.81	12.368
1993	311719	122810.618	121283.667	1526.951	0.490	1.243	4692.62	1848.83	1825.81	23.019
1994	305714	119925.592	117548.148	2377.444	0.778	1.982	4516.21	1771.69	1736.50	35.193
1995	303250	117896.496	114501.611	3394.886	1.119	2.880	4393.83	1708.35	1659.03	49.320
1996	299601	115698.645	111168.476	4530.169	1.512	3.915	4273.21	1650.42	1585.60	64.824
1997	294290	113359.847	107667.650	5692.197	1.934	5.021	4128.76	1590.70	1510.53	80.169
1998	289349	111444.212	104570.494	6873.718	2.376	6.168	3992.34	1538.10	1442.83	95.269
1999	311139	114877.722	105541.989	9335.732	3.001	8.127	4224.86	1560.48	1433.12	127.357
2000	303970	112379.704	101586.755	10792.95	3.551	9.604	4066.60	1504.22	1359.06	145.161
2001	296531	110024.943	97658.126	12366.82	4.171	11.240	3914.81	1453.52	1289.28	164.234
2002	292199	108289.173	94135.796	14153.38	4.844	13.070	3813.72	1414.56	1228.64	185.915
2003	286235	106539.023	90766.569	15772.45	5.510	14.804	3696.30	1377.22	1172.11	205.108
2004	274614	103037.251	86021.606	17015.64	6.196	16.514	3507.27	1317.61	1098.64	218.977
2005	272903	103044.562	84327.190	18717.37	6.859	18.164	3444.15	1302.41	1064.24	238.170
2006	264723	99672.555	79379.470	20293.08	7.666	20.360	3309.52	1248.28	992.388	255.891
2007	259116	97839.152	76219.387	21619.76	8.344	22.097	3205.30	1212.75	942.845	269.907
2008	260273	98075.852	74826.457	23249.39	8.933	23.706	3182.61	1202.07	914.976	287.094
2009	254822	95617.338	71141.078	24476.26	9.605	25.598	3078.24	1158.11	859.379	298.734
2010	252911	94607.988	68849.134	25758.85	10.185	27.227	3017.09	1131.98	821.332	310.652
2011	252944	93633.119	66253.741	27379.38	10.824	29.241	2986.66	1109.25	782.298	326.951
2012	253954	92775.175	63816.382	28958.79	11.403	31.214	2965.09	1087.19	745.102	342.088
2013	257658	92345.780	61755.204	30590.58	11.873	33.126	2972.94	1069.82	712.552	357.264
2014	259047	91379.215	59406.193	31973.02	12.343	34.989	2952.94	1046.26	677.187	369.070
2015	261630	90750.242	57589.818	33160.42	12.675	36.540	3351.75	1168.90	737.785	431.117
2016	263493	88811.996	54286.404	34525.59	13.103	38.875	3342.54	1133.24	688.649	444.595
2017	265934	87325.126	51630.060	35695.07	13.423	40.876	3341.07	1104.08	648.656	455.423
2018	261105	87612.144	50857.391	36754.75	14.077	41.952	3248.48	1097.46	632.731	464.725
2019	264057	87797.760	49548.654	38249.11	14.485	43.565	3251.67	1089.08	610.155	478.927
2020	265148	87221.042	48109.671	39111.37	14.751	44.842	3722.91	1235.48	675.500	559.979
2021	258067	82001.292	42998.174	39003.12	15.114	47.564	3595.96	1153.39	599.146	554.243
2022	260322	81915.977	41504.668	40411.31	15.524	49.333	3597.59	1143.37	573.584	569.791
2023	262555	81810.810	39969.649	41841.16	15.936	51.144	3596.92	1132.64	547.572	585.073
2024	264453	81528.303	38489.267	43039.04	16.275	52.790	3590.77	1119.38	522.611	596.767
2025	261290	79599.213	36739.822	42859.39	16.403	53.844	4121.09	1272.09	579.464	692.623
2026	255647	75082.462	32796.320	42286.14	16.541	56.320	4012.76	1194.99	514.788	680.201
2027	255343	74444.425	31213.569	43230.86	16.931	58.071	3987.09	1179.46	487.390	692.071
2028	254879	73699.585	29565.814	44133.77	17.316	59.883	3957.01	1161.76	459.012	702.748
2029	254363	72819.703	27976.700	44843.00	17.630	61.581	3923.81	1141.36	431.570	709.787
2030	245551	69309.277	26156.910	43152.37	17.574	62.261	4514.32	1297.95	480.882	817.068
2031	240577	65433.368	23178.832	42254.54	17.564	64.576	4407.82	1222.18	424.679	797.502
2032	239373	64643.552	21776.997	42866.56	17.908	66.312	4367.36	1203.31	397.322	805.987
2033	238136	63793.514	20503.399	43290.12	18.179	67.860	4323.30	1182.54	372.233	810.303
2034	236760	63032.151	19275.219	43756.93	18.482	69.420	4274.28	1162.80	347.980	814.820
2035	221640	57653.301	17589.271	40064.03	18.076	69.491	4935.37	1315.47	391.668	923.802
2036	213967	52988.733	14759.809	38228.92	17.867	72.145	4759.11	1208.75	328.291	880.455
2037	211421	52026.921	13765.458	38261.46	18.097	73.542	4693.39	1185.50	305.583	879.920
2038	208905	50943.211	12704.851	38238.36	18.304	75.061	4624.03	1158.38	281.217	877.166
2039	206461	50085.991	11809.873	38276.12	18.539	76.421	4551.37	1135.19	260.345	874.846

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3090455	2244988.113	1791382.763	453605.3	14.678	20.205	888.241	649.875	514.869	135.007

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62887.781	30.621	0.039	0.049	1223.41	981.049	980.572	0.477
1992	77987	62366.766	62283.515	83.251	0.107	0.133	1195.35	955.930	954.649	1.281
1993	78544	62652.888	62487.334	165.554	0.211	0.264	1182.40	943.195	940.686	2.509
1994	77441	61565.227	61300.692	264.535	0.342	0.430	1144.01	909.520	905.576	3.945
1995	76911	60851.961	60460.480	391.481	0.509	0.643	1114.37	881.759	876.019	5.740
1996	76243	60122.922	59567.486	555.436	0.729	0.924	1087.46	857.643	849.611	8.031
1997	75490	59237.155	58502.874	734.281	0.973	1.240	1059.10	831.234	820.771	10.463
1998	75406	58906.696	57947.746	958.950	1.272	1.628	1040.43	813.001	799.543	13.457
1999	73193	56930.073	55743.418	1186.655	1.621	2.084	993.871	773.329	756.924	16.405
2000	73831	57137.121	55648.418	1488.703	2.016	2.605	987.738	764.787	744.480	20.308
2001	73356	56481.726	54648.321	1833.406	2.499	3.246	968.448	746.169	721.468	24.701
2002	72521	55588.365	53388.059	2200.306	3.034	3.958	946.527	726.138	696.810	29.328
2003	72040	54945.856	52337.320	2608.537	3.621	4.747	930.285	710.281	675.858	34.423
2004	71420	54203.126	51136.211	3066.914	4.294	5.658	912.149	693.135	653.093	40.042
2005	71106	53744.603	50205.811	3538.792	4.977	6.584	897.392	679.296	633.618	45.678
2006	69824	52535.572	48487.653	4047.919	5.797	7.705	872.926	657.945	606.184	51.761
2007	68756	51492.124	46936.384	4555.740	6.626	8.847	850.527	638.264	580.610	57.654
2008	68447	51030.736	45850.676	5180.059	7.568	10.151	836.966	625.460	560.661	64.799
2009	67760	50276.199	44459.153	5817.045	8.585	11.570	818.538	608.943	537.064	71.880
2010	67480	49840.933	43411.196	6429.737	9.528	12.901	805.005	596.347	517.872	78.475
2011	66824	49207.841	41928.428	7144.413	10.691	14.559	789.026	581.354	495.074	86.280
2012	66508	48539.512	40628.733	7910.779	11.894	16.298	776.530	568.812	474.369	94.443
2013	65722	47675.741	39071.060	8604.681	13.093	18.048	758.320	552.318	450.815	101.503
2014	65463	47194.534	37869.705	9324.829	14.245	19.758	746.225	540.359	431.687	108.672
2015	64613	46305.842	36360.588	9945.254	15.392	21.477	827.756	596.439	465.816	130.622
2016	62111	44208.867	33857.969	10350.90	16.665	23.414	787.906	564.107	429.505	134.602
2017	60420	42702.624	31899.250	10803.37	17.880	25.299	759.087	539.903	400.767	139.136
2018	63060	44321.202	32064.379	12256.82	19.437	27.655	784.548	555.181	398.922	156.259
2019	63693	44493.088	31251.087	13242.00	20.791	29.762	784.326	551.912	384.834	167.078
2020	64172	44529.551	30368.699	14160.85	22.067	31.801	901.032	630.757	426.402	204.355
2021	57798	39852.556	26246.860	13605.70	23.540	34.140	805.372	560.546	365.729	194.817
2022	58178	39853.685	25293.015	14560.67	25.028	36.535	804.007	556.274	349.543	206.731
2023	58531	39847.050	24306.918	15540.13	26.550	38.999	801.856	551.670	332.997	218.673
2024	58791	39726.010	23324.895	16401.12	27.897	41.286	798.273	545.435	316.708	228.728
2025	58426	39207.348	22210.669	16996.68	29.091	43.351	921.495	626.579	350.309	276.270
2026	52287	34803.960	18931.773	15872.19	30.356	45.605	820.722	553.929	297.163	256.766
2027	52077	34484.595	17918.702	16565.89	31.810	48.039	813.170	546.357	279.795	266.562
2028	51822	34100.638	16872.102	17228.54	33.246	50.523	804.543	537.544	261.941	275.603
2029	51539	33669.838	15872.276	17797.56	34.532	52.859	795.043	527.732	244.847	282.886
2030	50147	32557.688	14768.509	17789.18	35.474	54.639	921.928	609.705	271.512	338.194
2031	44548	28646.393	12354.767	16291.63	36.571	56.871	816.205	535.065	226.362	308.702
2032	44163	28227.160	11522.663	16704.50	37.824	59.179	805.761	525.435	210.231	315.204
2033	43763	27786.623	10762.466	17024.16	38.901	61.267	794.510	515.079	195.389	319.689
2034	43330	27348.299	10036.980	17311.32	39.952	63.299	782.247	504.514	181.200	323.314
2035	40829	25570.077	9093.916	16476.16	40.354	64.435	909.149	583.430	202.498	380.932
2036	34978	21717.319	7156.965	14560.35	41.627	67.045	777.984	495.402	159.187	336.215
2037	34421	21256.024	6630.985	14625.04	42.488	68.804	764.131	484.347	147.203	337.144
2038	33870	20747.175	6080.384	14666.79	43.304	70.693	749.693	471.764	134.587	337.177
2039	33330	20327.688	5621.758	14705.93	44.122	72.344	734.746	460.724	123.930	336.794

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6412364	1098877.421	565532.768	533344.7	8.317	48.535	1843.00	318.101	162.542	155.559

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	37084.129	225.708	0.134	0.605	2620.21	581.750	578.231	3.519
1992	164549	36137.488	35520.921	616.567	0.375	1.706	2522.12	553.899	544.446	9.453
1993	164365	35599.588	34448.135	1151.452	0.701	3.234	2474.36	535.926	518.583	17.343
1994	159873	34336.757	32558.478	1778.279	1.112	5.179	2361.75	507.267	480.976	26.291
1995	158096	33455.759	30939.551	2516.208	1.592	7.521	2290.67	484.782	448.287	36.495
1996	154897	32193.824	28883.523	3310.302	2.137	10.282	2209.29	459.239	411.966	47.273
1997	150002	30665.509	26572.804	4092.706	2.728	13.346	2104.47	430.308	372.805	57.503
1998	145453	29188.430	24347.541	4840.890	3.328	16.585	2006.91	402.844	335.939	66.905
1999	166025	33375.386	26549.489	6825.897	4.111	20.452	2254.41	453.366	360.508	92.858
2000	160357	32024.754	24286.968	7737.786	4.825	24.162	2145.31	428.655	324.918	103.738
2001	154568	30682.393	21976.930	8705.463	5.632	28.373	2040.61	405.339	290.140	115.199
2002	152044	30218.370	20370.713	9847.657	6.477	32.588	1984.45	394.736	265.874	128.861
2003	146923	29175.202	18437.063	10738.14	7.309	36.806	1897.30	377.146	238.087	139.059
2004	138602	27488.687	16223.409	11265.28	8.128	40.982	1770.17	351.518	207.199	144.319
2005	136143	27017.439	14915.785	12101.65	8.889	44.792	1718.18	341.482	188.243	153.239
2006	132224	26231.435	13335.144	12896.29	9.753	49.163	1653.04	328.517	166.714	161.804
2007	126843	25103.049	11793.724	13309.33	10.493	53.019	1569.06	311.161	145.890	165.271
2008	126252	24621.740	10760.885	13860.86	10.979	56.295	1543.81	301.777	131.584	170.193
2009	122868	23741.177	9610.525	14130.65	11.501	59.520	1484.24	287.552	116.094	171.458
2010	121029	23189.160	8715.711	14473.45	11.959	62.415	1443.80	277.458	103.974	173.485
2011	120773	22786.927	7877.812	14909.11	12.345	65.428	1426.04	269.951	93.018	176.933
2012	121550	22485.295	7190.627	15294.67	12.583	68.021	1419.19	263.495	83.956	179.539
2013	123352	22251.884	6581.473	15670.41	12.704	70.423	1423.28	257.786	75.939	181.846
2014	124013	21894.593	6004.767	15889.83	12.813	72.574	1413.66	250.685	68.450	182.235
2015	124646	21471.109	5506.085	15965.02	12.808	74.356	1596.84	276.557	70.539	206.018
2016	127193	21411.568	5036.026	16375.54	12.875	76.480	1613.51	273.213	63.884	209.328
2017	129348	21169.399	4618.425	16550.97	12.796	78.183	1625.07	267.651	58.024	209.628
2018	122532	19830.576	3945.762	15884.81	12.964	80.103	1524.45	248.404	49.090	199.313
2019	123030	19431.014	3594.802	15836.21	12.872	81.500	1515.02	241.031	44.267	196.763
2020	122107	18532.612	3219.629	15312.98	12.541	82.627	1714.49	262.513	45.206	217.307
2021	120775	18234.128	2898.390	15335.74	12.698	84.105	1682.91	256.472	40.387	216.085
2022	120903	17812.559	2631.471	15181.09	12.556	85.227	1670.84	248.626	36.366	212.260
2023	121010	17361.668	2371.796	14989.87	12.387	86.339	1657.80	240.367	32.493	207.874
2024	120972	16929.676	2163.351	14766.32	12.206	87.222	1642.57	232.443	29.374	203.069
2025	117443	15501.666	1894.603	13607.06	11.586	87.778	1852.33	247.735	29.882	217.853
2026	116910	15523.814	1747.580	13776.23	11.784	88.743	1835.09	247.072	27.431	219.641
2027	115914	15073.070	1598.124	13474.95	11.625	89.397	1809.96	238.810	24.954	213.856
2028	114868	14636.710	1462.343	13174.37	11.469	90.009	1783.34	230.725	22.703	208.022
2029	113820	14180.166	1341.641	12838.53	11.280	90.539	1755.80	222.256	20.696	201.560
2030	106998	12111.772	1121.413	10990.36	10.272	90.741	1967.11	226.816	20.617	206.200
2031	107529	12417.367	1088.178	11329.19	10.536	91.237	1970.13	231.935	19.937	211.997
2032	106194	12054.064	1005.819	11048.25	10.404	91.656	1937.52	224.381	18.351	206.029
2033	104875	11672.389	927.132	10745.26	10.246	92.057	1903.97	216.370	16.832	199.539
2034	103531	11365.762	868.208	10497.55	10.140	92.361	1869.07	209.673	15.674	193.999
2035	93224	8580.360	646.839	7933.521	8.510	92.461	2075.87	195.777	14.403	181.374
2036	94619	8948.841	640.510	8308.331	8.781	92.843	2104.53	204.135	14.246	189.889
2037	92871	8624.570	607.526	8017.044	8.632	92.956	2061.67	196.522	13.487	183.036
2038	91175	8315.017	568.272	7746.745	8.497	93.166	2018.12	189.073	12.578	176.494
2039	89545	8001.132	531.012	7470.119	8.342	93.363	1973.99	181.344	11.706	169.638

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Rate	Rates	Rates
All Comb	1503834	149918.462	76169.542	73748.92	4.904	49.193

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000
1991	32619	4555.566	4528.361	27.205	0.083	0.597
1992	32100	4453.572	4380.670	72.902	0.227	1.637
1993	32897	4462.473	4321.816	140.657	0.428	3.152
1994	33324	4499.513	4273.259	226.255	0.679	5.028
1995	33572	4472.774	4145.811	326.963	0.974	7.310
1996	33874	4406.878	3965.697	441.181	1.302	10.011
1997	33523	4288.158	3729.161	558.997	1.668	13.036
1998	32805	4120.148	3449.915	670.233	2.043	16.267
1999	33388	3982.443	3199.517	782.926	2.345	19.659
2000	33478	4021.411	3086.713	934.699	2.792	23.243
2001	32299	3848.092	2805.100	1042.993	3.229	27.104
2002	31616	3783.081	2614.065	1169.016	3.697	30.901
2003	31022	3754.415	2440.554	1313.862	4.235	34.995
2004	29929	3666.274	2238.268	1428.006	4.771	38.950
2005	28761	3589.688	2054.023	1535.665	5.339	42.780
2006	28250	3596.985	1909.189	1687.796	5.975	46.923
2007	28098	3560.798	1757.324	1803.474	6.418	50.648
2008	27209	3417.001	1566.739	1850.262	6.800	54.149
2009	27162	3394.390	1443.255	1951.135	7.183	57.481
2010	27017	3340.137	1324.381	2015.757	7.461	60.350
2011	27079	3285.435	1210.606	2074.829	7.662	63.152
2012	27193	3259.209	1106.447	2152.763	7.917	66.052
2013	28061	3274.703	1027.017	2247.686	8.010	68.638
2014	28971	3298.083	953.999	2344.084	8.091	71.074
2015	29765	3244.406	876.043	2368.363	7.957	72.998
2016	30745	3314.836	819.995	2494.841	8.115	75.263
2017	31677	3333.314	759.354	2573.959	8.126	77.219
2018	29616	2925.242	619.335	2305.906	7.786	78.828
2019	29891	2864.628	562.189	2302.439	7.703	80.375
2020	29912	2730.366	499.739	2230.627	7.457	81.697
2021	30449	2647.911	451.860	2196.051	7.212	82.935
2022	30683	2586.165	409.273	2176.891	7.095	84.174
2023	30914	2517.960	368.223	2149.737	6.954	85.376
2024	31100	2454.161	335.067	2119.093	6.814	86.347
2025	30722	2275.364	292.601	1982.763	6.454	87.140
2026	31191	2183.166	262.177	1920.989	6.159	87.991
2027	31095	2112.345	237.946	1874.399	6.028	88.735
2028	30975	2046.677	217.835	1828.842	5.904	89.357
2029	30846	1977.671	198.419	1779.252	5.768	89.967
2030	29946	1744.457	167.171	1577.286	5.267	90.417
2031	29616	1653.738	151.836	1501.901	5.071	90.819
2032	29391	1603.120	139.032	1464.089	4.981	91.327
2033	29157	1548.245	127.535	1420.710	4.873	91.763
2034	28898	1511.985	119.056	1392.929	4.820	92.126
2035	27465	1239.866	94.589	1145.276	4.170	92.371
2036	26317	1182.522	86.238	1096.284	4.166	92.707
2037	25885	1134.483	81.624	1052.859	4.067	92.805
2038	25450	1093.537	76.398	1017.139	3.997	93.014
2039	25017	1047.905	70.954	976.950	3.905	93.229

Results for PHIM for Run 7 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2260342	1015606.587	710820.619	304786.0	13.484	30.010	649.654	293.996	204.300	89.696

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19202.985	12.651	0.037	0.066	531.576	299.618	299.421	0.197
1992	33942	19056.189	19022.539	33.650	0.099	0.177	520.248	292.085	291.568	0.517
1993	35914	20095.670	20026.382	69.288	0.193	0.345	540.644	302.526	301.478	1.048
1994	35075	19524.095	19415.719	108.376	0.309	0.555	518.158	288.435	286.822	1.613
1995	34672	19116.002	18955.769	160.233	0.462	0.838	502.361	276.995	274.652	2.343
1996	34586	18975.021	18751.771	223.250	0.645	1.177	493.306	270.675	267.457	3.219
1997	35274	19169.025	18862.811	306.214	0.868	1.597	494.879	268.986	264.637	4.348
1998	35685	19228.937	18825.293	403.644	1.131	2.099	492.373	265.388	259.745	5.643
1999	38532	20589.820	20049.566	540.254	1.402	2.624	523.210	279.689	272.247	7.442
2000	36303	19196.417	18564.657	631.761	1.740	3.291	485.676	256.946	248.363	8.583
2001	36308	19012.731	18227.775	784.956	2.162	4.129	479.339	251.174	240.644	10.530
2002	36018	18699.357	17762.958	936.399	2.600	5.008	470.094	244.265	231.839	12.427
2003	36249	18663.550	17551.633	1111.917	3.067	5.958	468.106	241.262	226.653	14.609
2004	34663	17679.164	16423.718	1255.446	3.622	7.101	442.708	226.076	209.758	16.319
2005	36894	18692.832	17151.571	1541.261	4.178	8.245	465.615	236.265	216.460	19.805
2006	34426	17308.564	15647.485	1661.079	4.825	9.597	430.384	216.769	195.622	21.147
2007	35418	17683.181	15731.956	1951.225	5.509	11.034	438.129	219.189	194.607	24.583
2008	38365	19006.374	16648.157	2358.218	6.147	12.408	469.121	232.952	203.573	29.379
2009	37033	18205.573	15628.144	2577.429	6.960	14.157	447.352	220.505	188.787	31.718
2010	37385	18237.758	15397.846	2839.912	7.596	15.572	445.979	218.215	183.688	34.527
2011	38268	18487.916	15236.895	3251.021	8.495	17.585	451.852	219.022	179.911	39.111
2012	38703	18491.158	14890.575	3600.583	9.303	19.472	451.885	216.689	173.858	42.831
2013	40523	19143.452	15075.654	4067.798	10.038	21.249	467.574	221.775	173.948	47.827
2014	40600	18992.005	14577.722	4414.283	10.873	23.243	462.806	217.451	166.175	51.276
2015	42607	19728.885	14847.102	4881.783	11.458	24.744	545.836	254.116	190.207	63.910
2016	43444	19876.724	14572.415	5304.310	12.209	26.686	551.112	253.628	184.858	68.770
2017	44489	20119.790	14353.031	5766.759	12.962	28.662	558.938	254.381	180.325	74.056
2018	45897	20535.123	14227.915	6307.208	13.742	30.714	571.020	257.229	177.013	80.216
2019	47443	21009.029	14140.575	6868.454	14.477	32.693	584.229	260.605	174.131	86.475
2020	48957	21428.512	14021.604	7406.908	15.130	34.566	687.392	303.533	196.875	106.658
2021	49045	21266.697	13401.065	7865.632	16.038	36.986	683.398	299.127	186.733	112.393
2022	50558	21663.568	13170.909	8492.659	16.798	39.202	698.701	302.378	182.019	120.359
2023	52100	22084.131	12922.711	9161.420	17.584	41.484	713.749	305.748	177.037	128.711
2024	53590	22418.456	12665.953	9752.502	18.198	43.502	727.650	307.804	171.980	135.824
2025	54699	22614.834	12341.949	10272.88	18.781	45.425	862.721	361.411	194.659	166.753
2026	55258	22571.522	11854.791	10716.73	19.394	47.479	867.362	359.241	186.079	173.162
2027	56256	22774.416	11458.797	11315.62	20.115	49.686	878.415	360.827	178.925	181.901
2028	57214	22915.561	11013.535	11902.03	20.803	51.939	888.247	361.228	170.986	190.242
2029	58157	22992.027	10564.363	12427.66	21.369	54.052	897.138	360.371	162.966	197.405
2030	58459	22895.360	10099.818	12795.54	21.888	55.887	1074.75	428.760	185.680	243.080
2031	58883	22715.871	9584.050	13131.82	22.301	57.809	1078.85	424.293	175.598	248.695
2032	59624	22759.207	9109.483	13649.72	22.893	59.975	1087.83	423.652	166.203	257.449
2033	60341	22786.258	8686.266	14099.99	23.367	61.879	1095.48	422.387	157.697	264.691
2034	61001	22806.106	8250.976	14555.13	23.860	63.821	1101.27	420.721	148.957	271.764
2035	60122	22262.998	7753.926	14509.07	24.133	65.171	1338.77	507.973	172.660	335.313
2036	58054	21140.051	6876.097	14263.95	24.570	67.474	1291.25	482.234	152.940	329.294
2037	58244	21011.845	6445.323	14566.52	25.010	69.325	1292.97	478.783	143.081	335.701
2038	58411	20787.483	5979.797	14807.69	25.351	71.234	1292.90	472.681	132.360	340.320
2039	58569	20709.267	5586.149	15123.12	25.821	73.026	1291.13	469.372	123.145	346.227

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Control File Details for Run: 8

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S2D
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_2
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 8, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 8, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	S2D
Note:	Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

25-29	253+	0.010768	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.010548	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.009588	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.009443	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.008952	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.008190	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.005634	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.004741	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.002911	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000771	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000771	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 8, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 8, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			F (Females)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	12984	14.17	0	0.00			
5	All Ages	Ecig	9430	10.29					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18338	20.01			14.23	1077	5.87
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	260	8.19	0	0.00			
5	18-19	Ecig	406	12.78					
5	18-19	Dual	0	0.00					
5	18-19	Former	76	2.39			1.05	53	69.74
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	1028	12.31	0	0.00			
5	20-24	Ecig	1095	13.11					
5	20-24	Dual	0	0.00					
5	20-24	Former	433	5.19			3.25	92	21.25
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	1298	14.76	0	0.00			
5	25-29	Ecig	1150	13.08					
5	25-29	Dual	0	0.00					
5	25-29	Former	1032	11.74			5.88	67	6.49
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

5	30-34	Never Any	5304	52.63					
5	30-34	CC	1661	16.48	0	0.00			
5	30-34	Ecig	1538	15.26					
5	30-34	Dual	0	0.00					
5	30-34	Former	1575	15.63			8.30	36	2.29
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	1729	16.47	0	0.00			
5	35-39	Ecig	1440	13.72					
5	35-39	Dual	0	0.00					
5	35-39	Former	2052	19.54			8.78	63	3.07
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1376	14.33	0	0.00			
5	40-44	Ecig	1113	11.59					
5	40-44	Dual	0	0.00					
5	40-44	Former	2093	21.80			12.10	64	3.06
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	1191	14.02	0	0.00			
5	45-49	Ecig	934	10.99					
5	45-49	Dual	0	0.00					
5	45-49	Former	2016	23.73			10.88	125	6.20
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	914	13.98	0	0.00			
5	50-54	Ecig	663	10.14					
5	50-54	Dual	0	0.00					
5	50-54	Former	1843	28.20			15.00	145	7.87
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	888	16.05	0	0.00			
5	55-59	Ecig	449	8.11					
5	55-59	Dual	0	0.00					
5	55-59	Former	1513	27.34			15.72	104	6.87
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	785	14.91	0	0.00			
5	60-64	Ecig	323	6.14					
5	60-64	Dual	0	0.00					
5	60-64	Former	1424	27.05			19.58	83	5.83
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	746	13.50	0	0.00			
5	65-69	Ecig	221	4.00					
5	65-69	Dual	0	0.00					
5	65-69	Former	1479	26.77			19.27	99	6.69
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	673	12.69	0	0.00			
5	70-74	Ecig	79	1.49					
5	70-74	Dual	0	0.00					
5	70-74	Former	1509	28.46			22.15	81	5.37
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	435	9.70	0	0.00			
5	75-79	Ecig	19	0.42					
5	75-79	Dual	0	0.00					
5	75-79	Former	1293	28.83			26.16	65	5.03
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	6784	7.38	0	0.00			
10	All Ages	Ecig	13496	14.68					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21205	23.07			15.14	1662	7.84
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	484	6.10	0	0.00			
10	20-24	Ecig	1652	20.83					
10	20-24	Dual	0	0.00					
10	20-24	Former	666	8.40			3.56	165	24.77
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	534	6.40	0	0.00			
10	25-29	Ecig	1558	18.66					
10	25-29	Dual	0	0.00					
10	25-29	Former	765	9.16			5.50	129	16.86
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	635	7.22	0	0.00			
10	30-34	Ecig	1695	19.28					
10	30-34	Dual	0	0.00					
10	30-34	Former	1249	14.20			9.31	97	7.77
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	810	8.04	0	0.00			
10	35-39	Ecig	2165	21.48					
10	35-39	Dual	0	0.00					
10	35-39	Former	1819	18.05			11.74	121	6.65
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	878	8.36	0	0.00			
10	40-44	Ecig	2007	19.12					
10	40-44	Dual	0	0.00					
10	40-44	Former	2336	22.25			12.32	123	5.27
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	690	7.19	0	0.00			
10	45-49	Ecig	1434	14.94					
10	45-49	Dual	0	0.00					
10	45-49	Former	2458	25.60			14.83	165	6.71
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	574	6.76	0	0.00			
10	50-54	Ecig	1123	13.22					
10	50-54	Dual	0	0.00					
10	50-54	Former	2444	28.76			13.43	186	7.61
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	439	6.72	0	0.00			
10	55-59	Ecig	764	11.69					
10	55-59	Dual	0	0.00					

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

10	55-59	Former	2217	33.92			16.96	144	6.50
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	2684	48.50					
10	60-64	CC	487	8.80	0	0.00			
10	60-64	Ecig	494	8.93					
10	60-64	Dual	0	0.00					
10	60-64	Former	1869	33.77			17.11	155	8.29
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	2732	51.90					
10	65-69	CC	441	8.38	0	0.00			
10	65-69	Ecig	325	6.17					
10	65-69	Dual	0	0.00					
10	65-69	Former	1766	33.55			20.20	128	7.25
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	3078	55.72					
10	70-74	CC	424	7.68	0	0.00			
10	70-74	Ecig	203	3.67					
10	70-74	Dual	0	0.00					
10	70-74	Former	1819	32.93			20.10	142	7.81
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	3042	57.36					
10	75-79	CC	388	7.32	0	0.00			
10	75-79	Ecig	76	1.43					
10	75-79	Dual	0	0.00					
10	75-79	Former	1797	33.89			23.13	107	5.95
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	47002	54.27					
15	All Ages	CC	3463	4.00	0	0.00			
15	All Ages	Ecig	14080	16.26					
15	All Ages	Dual	0	0.00					
15	All Ages	Former	22060	25.47			17.33	998	4.52
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0	.					
15	18-19	CC	0	.	0	.			
15	18-19	Ecig	0	.					
15	18-19	Dual	0	.					
15	18-19	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0	.					
15	20-24	CC	0	.	0	.			
15	20-24	Ecig	0	.					
15	20-24	Dual	0	.					
15	20-24	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	4860	61.29					
15	25-29	CC	256	3.23	0	0.00			
15	25-29	Ecig	1848	23.30					
15	25-29	Dual	0	0.00					
15	25-29	Former	966	12.18			6.64	96	9.94
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	5407	64.75					
15	30-34	CC	266	3.19	0	0.00			
15	30-34	Ecig	1706	20.43					
15	30-34	Dual	0	0.00					
15	30-34	Former	971	11.63			8.69	82	8.44
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	5189	59.01					
15	35-39	CC	310	3.53	0	0.00			

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15	35-39	Ecig	1855	21.10					
15	35-39	Dual	0	0.00					
15	35-39	Former	1439	16.37			12.70	72	5.00
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	405	4.02	0	0.00			
15	40-44	Ecig	2318	23.00					
15	40-44	Dual	0	0.00					
15	40-44	Former	2071	20.55			14.94	116	5.60
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	457	4.35	0	0.00			
15	45-49	Ecig	2102	20.02					
15	45-49	Dual	0	0.00					
15	45-49	Former	2662	25.35			15.44	142	5.33
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	372	3.88	0	0.00			
15	50-54	Ecig	1470	15.31					
15	50-54	Dual	0	0.00					
15	50-54	Former	2740	28.54			18.00	108	3.94
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	316	3.72	0	0.00			
15	55-59	Ecig	1162	13.68					
15	55-59	Dual	0	0.00					
15	55-59	Former	2663	31.34			17.11	68	2.55
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	256	3.92	0	0.00			
15	60-64	Ecig	731	11.18					
15	60-64	Dual	0	0.00					
15	60-64	Former	2433	37.22			20.19	90	3.70
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	295	5.33	0	0.00			
15	65-69	Ecig	432	7.81					
15	65-69	Dual	0	0.00					
15	65-69	Former	2123	38.36			19.76	76	3.58
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	262	4.98	0	0.00			
15	70-74	Ecig	294	5.59					
15	70-74	Dual	0	0.00					
15	70-74	Former	1976	37.54			22.75	87	4.40
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	268	4.85	0	0.00			
15	75-79	Ecig	162	2.93					
15	75-79	Dual	0	0.00					
15	75-79	Former	2016	36.50			22.88	61	3.03
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	1725	2.13	0	0.00			
20	All Ages	Ecig	12902	15.91					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22695	27.99			19.45	1101	4.85
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	114	1.44	0	0.00			
20	30-34	Ecig	1837	23.17					
20	30-34	Dual	0	0.00					
20	30-34	Former	1236	15.59			9.46	132	10.68
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	114	1.37	0	0.00			
20	35-39	Ecig	1648	19.74					
20	35-39	Dual	0	0.00					
20	35-39	Former	1229	14.72			11.22	94	7.65
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	145	1.65	0	0.00			
20	40-44	Ecig	1771	20.14					
20	40-44	Dual	0	0.00					
20	40-44	Former	1688	19.20			15.36	107	6.34
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	207	2.05	0	0.00			
20	45-49	Ecig	2218	22.01					
20	45-49	Dual	0	0.00					
20	45-49	Former	2369	23.51			17.67	123	5.19
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	236	2.25	0	0.00			
20	50-54	Ecig	1972	18.78					
20	50-54	Dual	0	0.00					
20	50-54	Former	3013	28.70			18.27	163	5.41
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	216	2.25	0	0.00			
20	55-59	Ecig	1352	14.08					
20	55-59	Dual	0	0.00					
20	55-59	Former	3014	31.40			21.11	91	3.02
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	179	2.11	0	0.00			
20	60-64	Ecig	993	11.69					
20	60-64	Dual	0	0.00					
20	60-64	Former	2969	34.94			19.99	154	5.19
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	144	2.20	0	0.00			
20	65-69	Ecig	548	8.38					
20	65-69	Dual	0	0.00					
20	65-69	Former	2728	41.74			22.70	98	3.59
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	185	3.34	0	0.00			
20	70-74	Ecig	357	6.45					
20	70-74	Dual	0	0.00					
20	70-74	Former	2308	41.71			22.93	73	3.16
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	185	3.51	0	0.00			
20	75-79	Ecig	206	3.91					
20	75-79	Dual	0	0.00					
20	75-79	Former	2141	40.67			25.77	66	3.08
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	902	1.19	0	0.00			
25	All Ages	Ecig	10915	14.40					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	22990	30.32			21.49	914	3.98
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	43	0.54	0	0.00			
25	35-39	Ecig	1548	19.52					
25	35-39	Dual	0	0.00					
25	35-39	Former	1613	20.34			11.59	127	7.87
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	65	0.78	0	0.00			
25	40-44	Ecig	1453	17.40					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1473	17.64			13.86	102	6.92
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5189	59.01					
25	45-49	CC	86	0.98	0	0.00			
25	45-49	Ecig	1580	17.97					
25	45-49	Dual	0	0.00					
25	45-49	Former	1938	22.04			18.00	97	5.01
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5284	52.43					
25	50-54	CC	100	0.99	0	0.00			
25	50-54	Ecig	1997	19.82					
25	50-54	Dual	0	0.00					
25	50-54	Former	2697	26.76			20.13	155	5.75
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5278	50.27					
25	55-59	CC	126	1.20	0	0.00			
25	55-59	Ecig	1707	16.26					
25	55-59	Dual	0	0.00					
25	55-59	Former	3388	32.27			20.92	132	3.90
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	123	1.28	0	0.00			
25	60-64	Ecig	1115	11.61					
25	60-64	Dual	0	0.00					
25	60-64	Former	3344	34.83			23.72	151	4.52
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	109	1.28	0	0.00			
25	65-69	Ecig	788	9.27					
25	65-69	Dual	0	0.00					
25	65-69	Former	3244	38.18			23.09	69	2.13
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	105	1.61	0	0.00			
25	70-74	Ecig	445	6.81					
25	70-74	Dual	0	0.00					
25	70-74	Former	2870	43.91			26.45	44	1.53
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	145	2.62	0	0.00			
25	75-79	Ecig	282	5.10					
25	75-79	Dual	0	0.00					
25	75-79	Former	2423	43.78			26.72	37	1.53
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38326	54.53					
30	All Ages	CC	446	0.63	0	0.00			
30	All Ages	Ecig	8980	12.78					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	22531	32.06			23.80	764	3.39
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	20	0.25	0	0.00			
30	40-44	Ecig	1340	16.90					
30	40-44	Dual	0	0.00					
30	40-44	Former	1844	23.25			14.76	87	4.72
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	29	0.35	0	0.00			
30	45-49	Ecig	1278	15.31					
30	45-49	Dual	0	0.00					
30	45-49	Former	1684	20.17			16.77	75	4.45
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	41	0.47	0	0.00			
30	50-54	Ecig	1362	15.49					
30	50-54	Dual	0	0.00					
30	50-54	Former	2201	25.03			20.47	123	5.59
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	51	0.51	0	0.00			
30	55-59	Ecig	1671	16.58					
30	55-59	Dual	0	0.00					
30	55-59	Former	3072	30.48			22.33	133	4.33
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	75	0.71	0	0.00			
30	60-64	Ecig	1388	13.22					
30	60-64	Dual	0	0.00					
30	60-64	Former	3758	35.79			23.56	157	4.18
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	73	0.76	0	0.00			
30	65-69	Ecig	895	9.32					
30	65-69	Dual	0	0.00					
30	65-69	Former	3614	37.65			26.75	78	2.16
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

30	70-74	Never Any	4356	51.27					
30	70-74	CC	79	0.93	0	0.00			
30	70-74	Ecig	678	7.98					
30	70-74	Dual	0	0.00					
30	70-74	Former	3384	39.83			26.99	74	2.19
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	78	1.19	0	0.00			
30	75-79	Ecig	368	5.63					
30	75-79	Dual	0	0.00					
30	75-79	Former	2974	45.50			30.43	37	1.24
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	239	0.37	0	0.00			
35	All Ages	Ecig	7122	11.17					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	21176	33.22			25.82	623	2.94
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	10	0.13	0	0.00			
35	45-49	Ecig	1148	14.48					
35	45-49	Dual	0	0.00					
35	45-49	Former	2046	25.80			18.03	69	3.37
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	12	0.14	0	0.00			
35	50-54	Ecig	1082	12.96					
35	50-54	Dual	0	0.00					
35	50-54	Former	1897	22.72			19.52	103	5.43
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	25	0.28	0	0.00			
35	55-59	Ecig	1139	12.95					
35	55-59	Dual	0	0.00					
35	55-59	Former	2440	27.75			23.16	95	3.89
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	29	0.29	0	0.00			
35	60-64	Ecig	1344	13.34					
35	60-64	Dual	0	0.00					
35	60-64	Former	3421	33.95			24.73	146	4.27
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	50	0.48	0	0.00			
35	65-69	Ecig	1097	10.45					
35	65-69	Dual	0	0.00					
35	65-69	Former	4074	38.80			26.54	84	2.06
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	54	0.56	0	0.00			
35	70-74	Ecig	771	8.03					
35	70-74	Dual	0	0.00					
35	70-74	Former	3757	39.14			30.61	68	1.81
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	59	0.69	0	0.00			
35	75-79	Ecig	541	6.37					
35	75-79	Dual	0	0.00					
35	75-79	Former	3541	41.67			30.66	58	1.64
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	126	0.23	0	0.00			
40	All Ages	Ecig	5315	9.62					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	18955	34.31			27.91	516	2.72
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4726	59.60					
40	50-54	CC		3	0.04	0	0.00			
40	50-54	Ecig		963	12.14					
40	50-54	Dual		0	0.00					
40	50-54	Former		2238	28.22			21.20	103	4.60
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		5359	64.18					
40	55-59	CC		5	0.06	0	0.00			
40	55-59	Ecig		878	10.51					
40	55-59	Dual		0	0.00					
40	55-59	Former		2108	25.25			22.29	66	3.13
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5189	59.01					
40	60-64	CC		16	0.18	0	0.00			
40	60-64	Ecig		885	10.06					
40	60-64	Dual		0	0.00					
40	60-64	Former		2703	30.74			25.60	117	4.33
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		5284	52.43					
40	65-69	CC		22	0.22	0	0.00			
40	65-69	Ecig		1059	10.51					
40	65-69	Dual		0	0.00					
40	65-69	Former		3713	36.84			27.59	73	1.97
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		5278	50.27					
40	70-74	CC		39	0.37	0	0.00			
40	70-74	Ecig		926	8.82					
40	70-74	Dual		0	0.00					
40	70-74	Former		4256	40.54			30.26	85	2.00
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		41	0.43	0	0.00			

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

40	75-79	Ecig	604	6.29					
40	75-79	Dual	0	0.00					
40	75-79	Former	3937	41.01			34.07	72	1.83
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	53	0.12	0	0.00			
45	All Ages	Ecig	3836	8.40					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	15925	34.88			29.62	362	2.27
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

45	55-59	Never Any	4726	59.60					
45	55-59	CC	2	0.03	0	0.00			
45	55-59	Ecig	791	9.97					
45	55-59	Dual	0	0.00					
45	55-59	Former	2411	30.40			24.46	68	2.82
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	1	0.01	0	0.00			
45	60-64	Ecig	702	8.41					
45	60-64	Dual	0	0.00					
45	60-64	Former	2288	27.40			25.29	81	3.54
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	11	0.13	0	0.00			
45	65-69	Ecig	696	7.92					
45	65-69	Dual	0	0.00					
45	65-69	Former	2897	32.95			28.72	55	1.90
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	16	0.16	0	0.00			
45	70-74	Ecig	918	9.11					
45	70-74	Dual	0	0.00					
45	70-74	Former	3860	38.30			31.41	76	1.97
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	23	0.22	0	0.00			
45	75-79	Ecig	729	6.94					
45	75-79	Dual	0	0.00					
45	75-79	Former	4469	42.57			33.67	82	1.83
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	17	0.05	0	0.00			
50	All Ages	Ecig	2481	7.06					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12095	34.41			31.41	230	1.90
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	1	0.01	0	0.00			
50	60-64	Ecig	609	7.68					
50	60-64	Dual	0	0.00					
50	60-64	Former	2594	32.71			27.51	80	3.08
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	569	6.81					
50	65-69	Dual	0	0.00					
50	65-69	Former	2422	29.01			28.76	30	1.24
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	7	0.08	0	0.00			
50	70-74	Ecig	590	6.71					
50	70-74	Dual	0	0.00					
50	70-74	Former	3007	34.20			32.54	53	1.76
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	9	0.09	0	0.00			
50	75-79	Ecig	713	7.07					
50	75-79	Dual	0	0.00					
50	75-79	Former	4072	40.40			34.64	67	1.65

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	2070970.901	875279.1	9.637	29.708	2493.45	808.881	568.577	240.304

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58968.887	109.598	0.055	0.186	2877.87	853.678	852.095	1.584
1992	198532	60494.150	60191.380	302.770	0.153	0.500	2829.84	862.271	857.956	4.316
1993	202512	62694.848	62103.693	591.155	0.292	0.943	2845.85	881.034	872.726	8.307
1994	200658	63202.598	62258.227	944.371	0.471	1.494	2777.87	874.966	861.892	13.074
1995	201023	63766.862	62393.276	1373.586	0.683	2.154	2739.80	869.097	850.376	18.721
1996	201180	64591.163	62693.678	1897.485	0.943	2.938	2706.36	868.908	843.382	25.526
1997	198639	64686.912	62262.226	2424.686	1.221	3.748	2635.18	858.147	825.981	32.166
1998	197573	65295.961	62243.421	3052.540	1.545	4.675	2584.18	854.046	814.120	39.926
1999	211329	67327.521	63298.533	4028.988	1.907	5.984	2726.91	868.771	816.782	51.989
2000	208496	67596.897	62825.842	4771.054	2.288	7.058	2656.96	861.419	800.620	60.800
2001	203606	67008.811	61451.365	5557.445	2.730	8.294	2565.88	844.458	774.422	70.036
2002	200828	67067.744	60596.912	6470.831	3.222	9.648	2506.09	836.925	756.177	80.748
2003	196352	66756.217	59451.652	7304.564	3.720	10.942	2427.31	825.244	734.945	90.299
2004	188160	65058.725	56998.059	8060.666	4.284	12.390	2302.83	796.234	697.582	98.652
2005	186416	65214.724	56197.312	9017.412	4.837	13.827	2256.27	789.321	680.179	109.141
2006	180088	63771.146	53950.559	9820.587	5.453	15.400	2160.67	765.117	647.291	117.826
2007	175644	63110.718	52505.989	10604.73	6.038	16.803	2086.36	749.650	623.684	125.967
2008	177570	63718.624	52010.618	11708.01	6.593	18.375	2086.39	748.674	611.108	137.565
2009	172806	62794.698	50305.277	12489.42	7.227	19.889	2007.57	729.515	584.420	145.095
2010	170489	61917.074	48579.905	13337.17	7.823	21.540	1957.97	711.083	557.913	153.170
2011	170305	61680.114	47235.425	14444.69	8.482	23.419	1937.46	701.700	537.371	164.329
2012	171421	62023.127	46371.584	15651.54	9.130	25.235	1930.22	698.386	522.148	176.238
2013	172699	62037.765	45289.517	16748.25	9.698	26.997	1923.75	691.059	504.495	186.564
2014	174169	61921.017	43934.858	17986.16	10.327	29.047	1918.85	682.195	484.038	198.157
2015	177354	61856.204	42802.061	19054.14	10.744	30.804	2184.51	761.899	527.204	234.695
2016	176853	60464.119	40560.580	19903.54	11.254	32.918	2157.59	737.655	494.834	242.821
2017	179309	60243.839	39162.044	21081.79	11.757	34.994	2166.86	728.017	473.254	254.763
2018	177157	60713.327	38627.554	22085.77	12.467	36.377	2120.51	726.721	462.360	264.360
2019	179227	61148.172	37748.509	23399.66	13.056	38.267	2124.53	724.841	447.465	277.376
2020	180467	61149.317	36782.254	24367.06	13.502	39.848	2424.25	821.432	494.104	327.328
2021	178116	58727.786	33807.260	24920.53	13.991	42.434	2375.42	783.216	450.866	332.349
2022	179408	58848.802	32731.141	26117.66	14.558	44.381	2374.52	778.881	433.206	345.675
2023	180640	58816.149	31678.357	27137.79	15.023	46.140	2372.26	772.407	416.018	356.389
2024	181610	58955.232	30658.854	28296.38	15.581	47.996	2366.77	768.316	399.552	368.764
2025	180418	58297.744	29485.368	28812.38	15.970	49.423	2713.69	876.861	443.492	433.369
2026	180313	56469.971	27249.597	29220.37	16.205	51.745	2701.83	846.150	408.310	437.840
2027	179619	56209.427	26068.341	30141.09	16.781	53.623	2680.68	838.883	389.050	449.833
2028	178762	55733.105	24794.824	30938.28	17.307	55.511	2656.74	828.298	368.497	459.801
2029	177808	55145.838	23500.824	31645.01	17.797	57.384	2630.89	815.951	347.724	468.227
2030	173587	53615.097	22180.244	31434.85	18.109	58.631	3040.33	939.056	388.482	550.574
2031	174985	52046.561	20767.883	31278.68	17.875	60.097	3060.73	910.364	363.258	547.106
2032	173400	51582.636	19654.124	31928.51	18.413	61.898	3027.10	900.496	343.109	557.387
2033	171756	50839.758	18526.856	32312.90	18.813	63.558	2991.14	885.375	322.645	562.729
2034	169973	50215.451	17456.939	32758.51	19.273	65.236	2951.96	872.104	303.179	568.925
2035	162644	47773.075	16140.430	31632.64	19.449	66.214	3459.14	1016.05	343.277	672.768
2036	156254	43298.709	13818.103	29480.61	18.867	68.087	3328.25	922.274	294.329	627.945
2037	153593	42241.563	12663.903	29577.66	19.257	70.020	3274.10	900.450	269.953	630.498
2038	150947	41356.353	11713.400	29642.95	19.638	71.677	3217.50	881.531	249.677	631.854
2039	148373	40161.050	10748.430	29412.62	19.823	73.237	3159.42	855.178	228.874	626.304

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1205014.755	375450.5	16.129	23.756	639.078	433.910	330.832	103.078

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31392.092	19.919	0.046	0.063	631.345	453.901	453.613	0.288
1992	45423	32782.407	32726.013	56.394	0.124	0.172	647.450	467.274	466.470	0.804
1993	46291	33491.183	33379.615	111.569	0.241	0.333	650.515	470.643	469.075	1.568
1994	47017	34074.347	33892.092	182.255	0.388	0.535	650.895	471.719	469.196	2.523
1995	47840	34694.454	34418.534	275.920	0.577	0.795	652.025	472.861	469.100	3.761
1996	48244	35027.269	34643.200	384.069	0.796	1.096	648.999	471.202	466.035	5.167
1997	49035	35590.763	35065.619	525.144	1.071	1.476	650.506	472.153	465.186	6.967
1998	49686	36100.785	35397.570	703.215	1.415	1.948	649.874	472.184	462.987	9.198
1999	48883	35451.030	34582.562	868.468	1.777	2.450	630.769	457.448	446.241	11.206
2000	50331	36447.986	35336.509	1111.477	2.208	3.049	641.392	464.474	450.310	14.164
2001	50389	36411.326	35054.022	1357.304	2.694	3.728	635.012	458.863	441.758	17.105
2002	51445	37078.545	35403.662	1674.883	3.256	4.517	641.972	462.696	441.795	20.901
2003	51408	36999.876	35019.849	1980.027	3.852	5.351	635.509	457.395	432.917	24.477
2004	51399	36861.555	34531.877	2329.678	4.533	6.320	629.057	451.138	422.625	28.512
2005	51421	36689.529	33998.716	2690.813	5.233	7.334	622.370	444.069	411.501	32.568
2006	51355	36504.774	33414.645	3090.129	6.017	8.465	616.150	437.979	400.904	37.075
2007	51839	36663.202	33109.658	3553.544	6.855	9.692	615.761	435.498	393.288	42.210
2008	50976	35898.803	31987.814	3910.989	7.672	10.894	598.952	421.800	375.847	45.953
2009	51193	35934.525	31501.889	4432.637	8.659	12.335	594.733	417.468	365.972	51.496
2010	50853	35502.829	30621.472	4881.357	9.599	13.749	584.018	407.730	351.670	56.060
2011	50509	35136.342	29730.998	5405.343	10.702	15.384	574.613	399.726	338.233	61.494
2012	51245	35450.201	29407.750	6042.451	11.791	17.045	577.023	399.173	331.134	68.039
2013	51069	35123.224	28509.283	6613.941	12.951	18.831	568.874	391.249	317.574	73.675
2014	51251	35079.370	27842.470	7236.900	14.121	20.630	564.641	386.476	306.745	79.730
2015	50443	34324.171	26651.750	7672.421	15.210	22.353	621.319	422.780	328.276	94.503
2016	48854	33054.753	25018.670	8036.083	16.449	24.311	596.013	403.264	305.225	98.039
2017	48325	32471.234	23886.858	8584.377	17.764	26.437	583.983	392.399	288.661	103.738
2018	50465	33657.595	23989.421	9668.174	19.158	28.725	604.052	402.871	287.146	115.725
2019	51036	33863.424	23398.523	10464.90	20.505	30.903	604.975	401.412	277.363	124.049
2020	51444	33910.830	22754.656	11156.17	21.686	32.899	691.053	455.532	305.668	149.863
2021	48037	31531.880	20422.014	11109.87	23.128	35.234	640.639	420.521	272.356	148.165
2022	48335	31560.212	19703.632	11856.58	24.530	37.568	639.727	417.708	260.783	156.925
2023	48599	31508.781	18987.311	12521.47	25.765	39.740	638.227	413.791	249.352	164.439
2024	48784	31517.293	18277.014	13240.28	27.141	42.010	635.757	410.740	238.190	172.550
2025	48477	31175.389	17476.249	13699.14	28.259	43.942	729.141	468.912	262.862	206.050
2026	45324	29044.598	15620.244	13424.35	29.619	46.220	679.138	435.206	234.055	201.151
2027	45107	28825.765	14844.150	13981.61	30.996	48.504	673.191	430.203	221.538	208.665
2028	44842	28513.846	14031.838	14482.01	32.296	50.789	666.430	423.769	208.539	215.230
2029	44539	28148.109	13209.883	14938.23	33.539	53.070	659.013	416.486	195.457	221.029
2030	43393	27314.475	12364.327	14950.15	34.453	54.733	760.018	478.407	216.558	261.848
2031	40748	25423.102	11124.618	14298.48	35.090	56.242	712.731	444.684	194.584	250.100
2032	40325	25085.902	10436.281	14649.62	36.329	58.398	703.969	437.933	182.190	255.743
2033	39882	24645.067	9757.775	14887.29	37.328	60.407	694.543	429.194	169.932	259.262
2034	39404	24239.126	9117.418	15121.71	38.376	62.386	684.347	420.967	158.344	262.622
2035	37454	22944.147	8323.100	14621.05	39.037	63.725	796.588	487.980	177.017	310.963
2036	32988	19950.581	6851.366	13099.21	39.708	65.658	702.663	424.953	145.936	279.017
2037	32403	19415.334	6234.110	13181.22	40.679	67.891	690.731	413.871	132.891	280.980
2038	31820	18939.317	5726.526	13212.79	41.524	69.764	678.257	403.701	122.064	281.637
2039	31251	18379.752	5224.911	13154.84	42.094	71.572	665.457	391.373	111.258	280.115

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	3242167	398833.796	221814.487	177019.3	5.460	44.384	890.124	109.498	60.898	48.600

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12795.282	61.197	0.063	0.476	1393.01	185.775	184.891	0.884
1992	93721	12662.244	12493.043	169.200	0.181	1.336	1335.88	180.485	178.073	2.412
1993	93679	12730.613	12405.543	325.070	0.347	2.553	1316.45	178.900	174.332	4.568
1994	90832	12495.323	11983.610	511.713	0.563	4.095	1257.46	172.983	165.899	7.084
1995	89698	12365.590	11636.150	729.440	0.813	5.899	1222.52	168.534	158.593	9.942
1996	88286	12290.551	11286.140	1004.412	1.138	8.172	1187.66	165.338	151.826	13.512
1997	84777	11719.531	10488.941	1230.591	1.452	10.500	1124.67	155.473	139.148	16.325
1998	82517	11416.794	9921.887	1494.907	1.812	13.094	1079.29	149.327	129.774	19.553
1999	93939	13028.038	10937.602	2090.436	2.225	16.046	1212.16	168.109	141.135	26.974
2000	90039	12426.299	10059.628	2366.671	2.628	19.046	1147.41	158.354	128.195	30.160
2001	86119	11939.281	9232.711	2706.570	3.143	22.669	1085.29	150.461	116.352	34.109
2002	83014	11528.794	8481.028	3047.766	3.671	26.436	1035.91	143.865	105.833	38.032
2003	79302	11048.407	7726.832	3321.575	4.189	30.064	980.336	136.581	95.520	41.061
2004	73861	10375.132	6842.285	3532.847	4.783	34.051	903.963	126.978	83.741	43.237
2005	71649	10051.029	6254.318	3796.712	5.299	37.774	867.197	121.652	75.699	45.953
2006	67551	9542.523	5545.181	3997.343	5.918	41.890	810.467	114.490	66.530	47.960
2007	63503	8936.533	4859.705	4076.828	6.420	45.620	754.310	106.151	57.725	48.426
2008	63171	8944.180	4546.532	4397.648	6.961	49.168	742.239	105.091	53.420	51.671
2009	59747	8390.033	3996.859	4393.175	7.353	52.362	694.108	97.471	46.433	51.038
2010	58008	8157.570	3616.846	4540.723	7.828	55.663	666.189	93.685	41.537	52.148
2011	57368	8035.356	3296.847	4738.509	8.260	58.971	652.644	91.414	37.506	53.907
2012	57411	7970.766	3010.974	4959.792	8.639	62.225	646.453	89.752	33.904	55.848
2013	57067	7743.216	2721.663	5021.553	8.799	64.851	635.688	86.254	30.317	55.937
2014	57538	7774.935	2518.372	5256.563	9.136	67.609	633.906	85.658	27.745	57.912
2015	58395	7722.535	2344.080	5378.455	9.210	69.646	719.266	95.120	28.873	66.248
2016	58658	7600.353	2135.192	5465.161	9.317	71.907	715.621	92.723	26.049	66.674
2017	59004	7470.266	1941.137	5529.129	9.371	74.015	713.034	90.274	23.458	66.817
2018	56077	6907.050	1660.859	5246.191	9.355	75.954	671.224	82.675	19.880	62.795
2019	55886	6732.046	1505.973	5226.074	9.351	77.630	662.462	79.801	17.852	61.949
2020	55313	6429.836	1352.376	5077.460	9.179	78.967	743.037	86.373	18.167	68.207
2021	56292	6562.016	1252.624	5309.392	9.432	80.911	750.730	87.513	16.705	70.808
2022	55827	6352.366	1126.398	5225.968	9.361	82.268	738.885	84.075	14.908	69.167
2023	55338	6134.123	1017.333	5116.791	9.246	83.415	726.728	80.557	13.360	67.197
2024	54770	5922.193	918.851	5003.342	9.135	84.485	713.771	77.179	11.975	65.205
2025	53295	5504.188	819.510	4684.678	8.790	85.111	801.612	82.789	12.326	70.463
2026	55278	5641.075	782.488	4858.587	8.789	86.129	828.283	84.526	11.725	72.801
2027	54199	5426.216	711.511	4714.704	8.699	86.888	808.875	80.982	10.619	70.363
2028	53090	5197.830	640.171	4557.659	8.585	87.684	789.020	77.249	9.514	67.735
2029	51974	4973.547	580.910	4392.637	8.452	88.320	769.023	73.590	8.595	64.994
2030	49479	4450.618	503.038	3947.580	7.978	88.697	866.605	77.952	8.811	69.141
2031	51987	4555.052	486.333	4068.719	7.826	89.323	909.317	79.674	8.507	71.167
2032	50677	4349.999	437.077	3912.922	7.721	89.952	884.689	75.939	7.630	68.309
2033	49380	4147.948	396.066	3751.882	7.598	90.452	859.955	72.237	6.897	65.339
2034	48076	3966.133	361.944	3604.189	7.497	90.874	834.943	68.881	6.286	62.595
2035	44518	3289.064	293.623	2995.442	6.729	91.073	946.825	69.952	6.245	63.708
2036	46347	3313.192	280.539	3032.653	6.543	91.533	987.211	70.572	5.976	64.596
2037	44841	3117.951	251.768	2866.184	6.392	91.925	955.859	66.464	5.367	61.098
2038	43378	2949.775	226.533	2723.242	6.278	92.320	924.621	62.876	4.829	58.047
2039	41973	2766.312	207.283	2559.029	6.097	92.507	893.753	58.905	4.414	54.491

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	57246.371	47653.38	3.524	45.428	371.243	28.800	15.717	13.083

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3189.228	17.835	0.055	0.556	469.694	46.342	46.084	0.258
1992	32560	3218.125	3168.702	49.422	0.152	1.536	464.104	45.871	45.166	0.704
1993	32768	3226.680	3131.274	95.407	0.291	2.957	460.480	45.344	44.003	1.341
1994	33005	3277.266	3120.885	156.380	0.474	4.772	456.915	45.370	43.205	2.165
1995	33730	3309.378	3080.726	228.652	0.678	6.909	459.716	45.104	41.988	3.116
1996	33750	3312.987	2997.800	315.187	0.934	9.514	454.019	44.568	40.328	4.240
1997	33699	3267.066	2862.207	404.858	1.201	12.392	447.056	43.341	37.971	5.371
1998	33274	3178.725	2688.637	490.088	1.473	15.418	435.211	41.577	35.166	6.410
1999	33891	3120.351	2541.409	578.942	1.708	18.554	437.317	40.264	32.793	7.470
2000	33827	3142.808	2454.768	688.041	2.034	21.893	431.074	40.050	31.282	8.768
2001	32506	2961.588	2212.358	749.230	2.305	25.298	409.647	37.323	27.881	9.442
2002	32078	2940.627	2085.688	854.939	2.665	29.073	400.295	36.695	26.027	10.669
2003	30568	2819.545	1894.915	924.630	3.025	32.794	377.883	34.855	23.425	11.430
2004	29388	2730.466	1731.472	998.994	3.399	36.587	359.671	33.417	21.191	12.226
2005	27954	2670.510	1592.147	1078.363	3.858	40.380	338.339	32.322	19.270	13.052
2006	27201	2623.285	1467.557	1155.729	4.249	44.057	326.354	31.474	17.608	13.866
2007	26302	2536.599	1328.191	1208.408	4.594	47.639	312.424	30.131	15.777	14.354
2008	25998	2469.443	1214.416	1255.027	4.827	50.822	305.468	29.015	14.269	14.746
2009	25040	2386.945	1096.905	1290.040	5.152	54.046	290.901	27.730	12.743	14.987
2010	24840	2329.274	999.442	1329.833	5.354	57.092	285.273	26.750	11.478	15.272
2011	24792	2286.581	911.031	1375.550	5.548	60.158	282.045	26.013	10.364	15.649
2012	24500	2243.311	827.512	1415.799	5.779	63.112	275.872	25.260	9.318	15.942
2013	24451	2176.503	742.830	1433.673	5.863	65.870	272.368	24.245	8.275	15.970
2014	25296	2211.619	700.358	1511.261	5.974	68.333	278.691	24.366	7.716	16.650
2015	26316	2237.016	662.625	1574.390	5.983	70.379	324.141	27.554	8.162	19.392
2016	26735	2229.057	613.073	1615.984	6.044	72.496	326.164	27.194	7.479	19.715
2017	27616	2221.649	567.090	1654.559	5.991	74.474	333.726	26.848	6.853	19.995
2018	25256	1939.420	462.775	1476.645	5.847	76.138	302.304	23.214	5.539	17.675
2019	25429	1904.400	421.462	1482.937	5.832	77.869	301.434	22.574	4.996	17.579
2020	25379	1806.054	374.905	1431.149	5.639	79.242	340.922	24.261	5.036	19.225
2021	25448	1748.172	335.243	1412.930	5.552	80.823	339.386	23.314	4.471	18.843
2022	25539	1701.148	303.006	1398.142	5.475	82.188	338.015	22.515	4.010	18.505
2023	25620	1652.087	274.599	1377.488	5.377	83.379	336.461	21.696	3.606	18.090
2024	25659	1597.127	247.608	1349.519	5.259	84.497	334.391	20.814	3.227	17.587
2025	25260	1467.622	217.047	1250.575	4.951	85.211	379.931	22.075	3.265	18.810
2026	25480	1390.505	193.830	1196.675	4.697	86.060	381.790	20.835	2.904	17.931
2027	25264	1342.095	176.466	1165.630	4.614	86.851	377.042	20.030	2.634	17.396
2028	25022	1289.536	159.370	1130.166	4.517	87.641	371.870	19.165	2.369	16.796
2029	24767	1242.216	145.350	1096.866	4.429	88.299	366.459	18.380	2.151	16.229
2030	23959	1096.803	122.888	973.915	4.065	88.796	419.641	19.210	2.152	17.058
2031	23963	1019.991	107.991	912.000	3.806	89.413	419.142	17.841	1.889	15.952
2032	23615	977.406	96.805	880.601	3.729	90.096	412.259	17.063	1.690	15.373
2033	23259	937.450	88.186	849.264	3.651	90.593	405.051	16.326	1.536	14.790
2034	22879	900.763	80.779	819.984	3.584	91.032	397.339	15.644	1.403	14.241
2035	21733	745.023	64.880	680.144	3.130	91.292	462.224	15.845	1.380	14.465
2036	20904	680.360	56.265	624.095	2.986	91.730	445.263	14.492	1.198	13.293
2037	20397	644.109	51.385	592.725	2.906	92.022	434.791	13.730	1.095	12.635
2038	19890	612.448	46.425	566.023	2.846	92.420	423.966	13.055	0.990	12.065
2039	19392	577.529	42.843	534.686	2.757	92.582	412.930	12.298	0.912	11.385

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	586895.288	275156.0	12.739	31.919	593.003	236.673	161.130	75.543

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11592.286	10.647	0.040	0.092	383.818	167.661	167.507	0.154
1992	26828	11831.375	11803.622	27.753	0.103	0.235	382.401	168.642	168.246	0.396
1993	29774	13246.371	13187.262	59.109	0.199	0.446	418.406	186.148	185.317	0.831
1994	29804	13355.662	13261.640	94.022	0.315	0.704	412.601	184.893	183.592	1.302
1995	29755	13397.439	13257.866	139.573	0.469	1.042	405.540	182.598	180.695	1.902
1996	30900	13960.356	13766.539	193.817	0.627	1.388	415.680	187.801	185.193	2.607
1997	31128	14109.552	13845.460	264.092	0.848	1.872	412.949	187.180	183.676	3.503
1998	32096	14599.657	14235.326	364.331	1.135	2.495	419.803	190.958	186.193	4.765
1999	34616	15728.102	15236.961	491.142	1.419	3.123	446.673	202.950	196.612	6.338
2000	34299	15579.803	14974.938	604.866	1.764	3.882	437.088	198.541	190.833	7.708
2001	34592	15696.614	14952.274	744.341	2.152	4.742	435.935	197.812	188.431	9.380
2002	34291	15519.777	14626.534	893.243	2.605	5.756	427.910	193.668	182.522	11.147
2003	35074	15888.389	14810.056	1078.333	3.074	6.787	433.587	196.413	183.083	13.330
2004	33512	15091.573	13892.425	1199.148	3.578	7.946	410.143	184.701	170.025	14.676
2005	35392	15803.656	14352.132	1451.524	4.101	9.185	428.364	191.278	173.710	17.568
2006	33981	15100.563	13523.177	1577.387	4.642	10.446	407.699	181.174	162.249	18.925
2007	34000	14974.384	13208.435	1765.948	5.194	11.793	403.863	177.871	156.894	20.977
2008	37425	16406.197	14261.856	2144.342	5.730	13.070	439.732	192.768	167.572	25.195
2009	36826	16083.194	13709.625	2373.569	6.445	14.758	427.825	186.846	159.271	27.575
2010	36788	15927.400	13342.144	2585.256	7.027	16.231	422.489	182.917	153.227	29.690
2011	37636	16221.836	13296.549	2925.287	7.773	18.033	428.164	184.547	151.267	33.279
2012	38265	16358.849	13125.348	3233.501	8.450	19.766	430.867	184.202	147.793	36.410
2013	40112	16994.822	13315.742	3679.080	9.172	21.648	446.821	189.311	148.328	40.982
2014	40084	16855.093	12873.659	3981.435	9.933	23.622	441.613	185.696	141.831	43.864
2015	42200	17572.483	13143.606	4428.877	10.495	25.203	519.788	216.445	161.893	54.552
2016	42606	17579.955	12793.645	4786.311	11.234	27.226	519.788	214.473	156.081	58.392
2017	44364	18080.688	12766.959	5313.729	11.978	29.389	536.117	218.496	154.282	64.214
2018	45359	18209.262	12514.499	5694.763	12.555	31.274	542.932	217.960	149.795	68.165
2019	46876	18648.302	12422.551	6225.751	13.281	33.385	555.657	221.054	147.255	73.799
2020	48331	19002.597	12300.317	6702.280	13.868	35.270	649.239	255.266	165.233	90.033
2021	48338	18885.717	11797.379	7088.338	14.664	37.533	644.660	251.867	157.334	94.533
2022	49708	19235.076	11598.106	7636.971	15.364	39.703	657.895	254.582	153.504	101.077
2023	51083	19521.158	11399.115	8122.043	15.900	41.606	670.849	256.363	149.700	106.663
2024	52397	19918.620	11215.381	8703.239	16.610	43.694	682.854	259.583	146.161	113.422
2025	53387	20150.545	10972.562	9177.982	17.191	45.547	803.004	303.086	165.039	138.047
2026	54232	20393.792	10653.034	9740.758	17.961	47.763	812.615	305.582	159.626	145.956
2027	55049	20615.351	10336.214	10279.14	18.673	49.862	821.568	307.668	154.260	153.408
2028	55809	20731.894	9963.445	10768.45	19.295	51.941	829.419	308.115	148.075	160.039
2029	56527	20781.967	9564.681	11217.29	19.844	53.976	836.392	307.495	141.521	165.974
2030	56756	20753.201	9189.991	11563.21	20.374	55.718	994.067	363.487	160.961	202.527
2031	58288	21048.417	9048.941	11999.48	20.586	57.009	1019.54	368.165	158.278	209.887
2032	58782	21169.329	8683.960	12485.37	21.240	58.979	1026.18	369.560	151.599	217.961
2033	59236	21109.293	8284.829	12824.46	21.650	60.753	1031.59	367.618	144.280	223.338
2034	59614	21109.429	7896.797	13212.63	22.164	62.591	1035.33	366.613	137.146	229.467
2035	58938	20794.840	7458.827	13336.01	22.627	64.131	1253.51	442.268	158.636	283.633
2036	56014	19354.577	6629.933	12724.64	22.717	65.745	1193.11	412.258	141.219	271.038
2037	55953	19064.169	6126.641	12937.53	23.122	67.863	1192.72	406.385	130.600	275.785
2038	55859	18854.812	5713.917	13140.90	23.525	69.695	1190.66	401.900	121.795	280.105
2039	55757	18437.457	5273.393	13164.06	23.610	71.398	1187.28	392.602	112.290	280.312

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9133612	2946250.006	2078461.682	867788.3	9.501	29.454	2497.81	808.881	568.407	240.474

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58968.887	109.598	0.055	0.186	2877.87	853.678	852.095	1.584
1992	198532	60494.150	60191.507	302.643	0.152	0.500	2829.84	862.271	857.956	4.315
1993	202513	62694.848	62104.173	590.674	0.292	0.942	2845.85	881.034	872.728	8.306
1994	200662	63202.598	62259.410	943.188	0.470	1.492	2777.88	874.966	861.896	13.070
1995	201030	63766.862	62395.561	1371.301	0.682	2.150	2739.82	869.097	850.384	18.713
1996	201191	64591.163	62697.580	1893.583	0.941	2.932	2706.38	868.908	843.395	25.513
1997	198656	64686.912	62268.276	2418.636	1.217	3.739	2635.21	858.147	826.001	32.146
1998	197598	65295.961	62252.386	3043.575	1.540	4.661	2584.23	854.046	814.151	39.895
1999	211368	67327.521	63311.485	4016.036	1.900	5.965	2727.01	868.771	816.829	51.942
2000	208549	67596.897	62843.701	4753.195	2.279	7.032	2657.11	861.419	800.686	60.733
2001	203677	67008.811	61474.753	5534.057	2.717	8.259	2566.10	844.458	774.512	69.946
2002	200920	67067.744	60626.709	6441.035	3.206	9.604	2506.39	836.925	756.293	80.632
2003	196468	66756.217	59488.881	7267.336	3.699	10.886	2427.72	825.244	735.094	90.150
2004	188300	65058.725	57042.702	8016.023	4.257	12.321	2303.35	796.234	697.767	98.468
2005	186586	65214.724	56250.831	8963.893	4.804	13.745	2256.92	789.321	680.402	108.918
2006	180287	63771.146	54012.392	9758.753	5.413	15.303	2161.46	765.117	647.553	117.564
2007	175875	63110.718	52577.210	10533.51	5.989	16.691	2087.29	749.650	623.988	125.662
2008	177844	63718.624	52093.123	11625.50	6.537	18.245	2087.51	748.674	611.463	137.210
2009	173116	62794.698	50397.792	12396.91	7.161	19.742	2008.84	729.515	584.819	144.696
2010	170840	61917.074	48682.234	13234.84	7.747	21.375	1959.42	711.083	558.355	152.728
2011	170703	61680.114	47348.340	14331.77	8.396	23.236	1939.13	701.700	537.860	163.840
2012	171874	62023.127	46496.791	15526.34	9.034	25.033	1932.12	698.386	522.692	175.694
2013	173213	62037.765	45426.931	16610.83	9.590	26.775	1925.92	691.059	505.092	185.967
2014	174749	61921.017	44083.935	17837.08	10.207	28.806	1921.30	682.195	484.687	197.508
2015	178014	61856.204	42964.190	18892.01	10.613	30.542	2187.09	761.899	527.862	234.036
2016	177581	60464.119	40730.796	19733.32	11.112	32.636	2160.45	737.655	495.529	242.127
2017	180124	60243.839	39343.688	20900.15	11.603	34.693	2170.09	728.017	474.002	254.015
2018	178042	60713.327	38824.530	21888.80	12.294	36.053	2124.05	726.721	463.177	263.544
2019	180211	61148.172	37960.176	23188.00	12.867	37.921	2128.50	724.841	448.354	276.487
2020	181556	61149.317	37008.654	24140.66	13.297	39.478	2428.20	821.432	494.967	326.466
2021	179288	58727.786	34034.504	24693.28	13.773	42.047	2379.75	783.216	451.751	331.465
2022	180689	58848.802	32969.878	25878.92	14.322	43.975	2379.32	778.881	434.150	344.731
2023	182034	58816.149	31928.522	26887.63	14.771	45.715	2377.57	772.407	417.022	355.384
2024	183120	58955.232	30920.192	28035.04	15.310	47.553	2372.60	768.316	400.617	367.699
2025	182047	58297.744	29757.129	28540.61	15.678	48.957	2719.10	876.861	444.460	432.402
2026	182069	56469.971	27521.822	28948.15	15.900	51.263	2707.90	846.150	409.332	436.818
2027	181492	56209.427	26348.165	29861.26	16.453	53.125	2687.35	838.883	390.137	448.746
2028	180755	55733.105	25079.999	30653.11	16.958	55.000	2664.04	828.298	369.639	458.659
2029	179922	55145.838	23789.926	31355.91	17.427	56.860	2638.84	815.951	348.916	467.035
2030	175814	53615.097	22473.248	31141.85	17.713	58.084	3047.35	939.056	389.524	549.532
2031	177388	52046.561	21062.592	30983.97	17.467	59.531	3068.82	910.364	364.885	545.979
2032	175928	51582.636	19951.015	31631.62	17.980	61.322	3036.00	900.496	344.297	556.199
2033	174411	50839.758	18824.539	32015.22	18.356	62.973	3000.88	885.375	323.892	561.483
2034	172751	50215.451	17754.485	32460.97	18.791	64.643	2962.55	872.104	304.477	567.627
2035	165510	47773.075	16435.068	31338.01	18.934	65.598	3468.36	1016.05	344.408	671.638
2036	159153	43298.709	14084.694	29214.02	18.356	67.471	3338.03	922.274	295.409	626.866
2037	156585	42241.563	12920.944	29320.62	18.725	69.412	3284.75	900.450	271.049	629.402
2038	154028	41356.353	11963.457	29392.90	19.083	71.072	3229.04	881.531	250.802	630.729
2039	151543	40161.050	10989.054	29172.00	19.250	72.638	3171.85	855.178	230.005	625.172

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2340337	1580465.217	1209262.947	371202.3	15.861	23.487	640.023	433.910	330.703	103.207

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31392.092	19.919	0.046	0.063	631.345	453.901	453.613	0.288
1992	45423	32782.407	32726.082	56.324	0.124	0.172	647.451	467.274	466.470	0.804
1993	46291	33491.183	33379.878	111.306	0.240	0.332	650.516	470.643	469.076	1.567
1994	47018	34074.347	33892.748	181.600	0.386	0.533	650.898	471.719	469.199	2.521
1995	47842	34694.454	34419.816	274.638	0.574	0.792	652.031	472.861	469.105	3.756
1996	48247	35027.269	34645.396	381.872	0.791	1.090	649.009	471.202	466.043	5.159
1997	49040	35590.763	35069.075	521.688	1.064	1.466	650.522	472.153	465.198	6.955
1998	49693	36100.785	35402.745	698.040	1.405	1.934	649.899	472.184	463.005	9.179
1999	48893	35451.030	34589.721	861.308	1.762	2.430	630.805	457.448	446.268	11.180
2000	50345	36447.986	35346.680	1101.306	2.188	3.022	641.446	464.474	450.349	14.125
2001	50408	36411.326	35067.499	1343.827	2.666	3.691	635.086	458.863	441.811	17.052
2002	51470	37078.545	35421.255	1657.290	3.220	4.470	642.072	462.696	441.865	20.830
2003	51440	36999.876	35042.017	1957.859	3.806	5.292	635.640	457.395	433.008	24.386
2004	51439	36861.555	34559.167	2302.388	4.476	6.246	629.225	451.138	422.740	28.398
2005	51470	36689.529	34031.325	2658.204	5.165	7.245	622.575	444.069	411.638	32.430
2006	51414	36504.774	33453.143	3051.631	5.935	8.360	616.399	437.979	401.069	36.910
2007	51909	36663.202	33154.792	3508.410	6.759	9.569	616.060	435.498	393.482	42.016
2008	51057	35898.803	32038.728	3860.075	7.560	10.753	599.296	421.800	376.067	45.733
2009	51287	35934.525	31559.990	4374.535	8.530	12.174	595.134	417.468	366.224	51.244
2010	50959	35502.829	30686.122	4816.707	9.452	13.567	584.473	407.730	351.951	55.779
2011	50629	35136.342	29802.187	5334.154	10.536	15.181	575.125	399.726	338.542	61.184
2012	51382	35450.201	29487.244	5962.957	11.605	16.821	577.611	399.173	331.480	67.693
2013	51222	35123.224	28595.824	6527.400	12.743	18.584	569.532	391.249	317.951	73.298
2014	51423	35079.370	27936.961	7142.409	13.889	20.361	565.379	386.476	307.157	79.319
2015	50632	34324.171	26752.698	7571.473	14.954	22.059	622.070	422.780	328.686	94.093
2016	49056	33054.753	25123.595	7931.157	16.167	23.994	596.817	403.264	305.652	97.612
2017	48546	32471.234	23997.594	8473.640	17.455	26.096	584.870	392.399	289.116	103.282
2018	50718	33657.595	24111.363	9546.232	18.822	28.363	605.061	402.871	287.649	115.223
2019	51316	33863.424	23529.196	10334.23	20.138	30.517	606.101	401.412	277.907	123.505
2020	51753	33910.830	22894.014	11016.82	21.287	32.488	692.157	455.532	306.193	149.339
2021	48352	31531.880	20558.605	10973.27	22.695	34.801	641.791	420.521	272.881	147.640
2022	48678	31560.212	19846.587	11713.63	24.063	37.115	640.998	417.708	261.341	156.367
2023	48972	31508.781	19136.409	12372.37	25.264	39.266	639.625	413.791	249.943	163.848
2024	49187	31517.293	18431.890	13085.40	26.604	41.518	637.287	410.740	238.813	171.927
2025	48910	31175.389	17636.339	13539.05	27.681	43.429	730.534	468.912	263.421	205.491
2026	45763	29044.598	15775.387	13269.21	28.996	45.686	680.627	435.206	234.627	200.579
2027	45574	28825.765	15002.492	13823.27	30.331	47.955	674.821	430.203	222.142	208.061
2028	45338	28513.846	14192.143	14321.70	31.589	50.227	668.207	423.769	209.170	214.600
2029	45065	28148.109	13371.232	14776.88	32.790	52.497	660.942	416.486	196.110	220.376
2030	43945	27314.475	12526.555	14787.92	33.651	54.139	761.687	478.407	217.120	261.286
2031	41304	25423.102	11281.477	14141.62	34.238	55.625	714.559	444.684	195.170	249.513
2032	40909	25085.902	10592.791	14493.11	35.428	57.774	705.968	437.933	182.801	255.132
2033	40493	24645.067	9913.313	14731.75	36.381	59.776	696.721	429.194	170.567	258.627
2034	40043	24239.126	9271.467	14967.66	37.379	61.750	686.702	420.967	158.999	261.968
2035	38110	22944.147	8473.939	14470.21	37.970	63.067	798.612	487.980	177.577	310.403
2036	33594	19950.581	6982.310	12968.27	38.603	65.002	704.587	424.953	146.445	278.508
2037	33027	19415.334	6359.277	13056.06	39.532	67.246	692.817	413.871	133.402	280.469
2038	32461	18939.317	5847.295	13092.02	40.332	69.126	680.507	403.701	122.583	281.118
2039	31909	18379.752	5340.291	13039.46	40.864	70.945	667.870	391.373	111.774	279.599

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3257251	398833.796	222081.231	176752.6	5.426	44.317	890.776	109.498	60.734	48.765

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12795.282	61.197	0.063	0.476	1393.01	185.775	184.891	0.884
1992	93721	12662.244	12493.069	169.174	0.181	1.336	1335.88	180.485	178.073	2.412
1993	93680	12730.613	12405.639	324.974	0.347	2.553	1316.45	178.900	174.332	4.568
1994	90834	12495.323	11983.839	511.484	0.563	4.093	1257.47	172.983	165.900	7.083
1995	89701	12365.590	11636.586	729.005	0.813	5.895	1222.53	168.534	158.594	9.940
1996	88291	12290.551	11286.863	1003.689	1.137	8.166	1187.67	165.338	151.829	13.509
1997	84784	11719.531	10490.006	1229.525	1.450	10.491	1124.68	155.473	139.152	16.321
1998	82527	11416.794	9923.389	1493.405	1.810	13.081	1079.31	149.327	129.780	19.547
1999	93956	13028.038	10939.967	2088.071	2.222	16.028	1212.19	168.109	141.145	26.964
2000	90061	12426.299	10062.640	2363.659	2.625	19.021	1147.46	158.354	128.207	30.147
2001	86148	11939.281	9236.388	2702.894	3.137	22.639	1085.37	150.461	116.368	34.093
2002	83051	11528.794	8485.359	3043.435	3.665	26.399	1036.03	143.865	105.851	38.014
2003	79348	11048.407	7731.808	3316.599	4.180	30.019	980.486	136.581	95.541	41.040
2004	73915	10375.132	6847.750	3527.381	4.772	33.998	904.155	126.978	83.764	43.214
2005	71714	10051.029	6260.369	3790.660	5.286	37.714	867.437	121.652	75.725	45.927
2006	67625	9542.523	5551.577	3990.946	5.902	41.823	810.750	114.490	66.558	47.932
2007	63585	8936.533	4866.300	4070.234	6.401	45.546	754.632	106.151	57.753	48.398
2008	63267	8944.180	4553.697	4390.483	6.940	49.088	742.622	105.091	53.451	51.640
2009	59853	8390.033	4004.131	4385.902	7.328	52.275	694.534	97.471	46.464	51.007
2010	58126	8157.570	3624.354	4533.216	7.799	55.571	666.667	93.685	41.569	52.116
2011	57501	8035.356	3304.585	4730.771	8.227	58.874	653.186	91.414	37.539	53.875
2012	57561	7970.766	3018.875	4951.891	8.603	62.126	647.066	89.752	33.937	55.815
2013	57235	7743.216	2729.663	5013.553	8.760	64.748	636.380	86.254	30.351	55.904
2014	57727	7774.935	2526.614	5248.321	9.092	67.503	634.687	85.658	27.779	57.879
2015	58609	7722.535	2352.631	5369.904	9.162	69.536	720.079	95.120	28.905	66.216
2016	58897	7600.353	2143.811	5456.543	9.265	71.793	716.533	92.723	26.081	66.642
2017	59269	7470.266	1949.748	5520.519	9.314	73.900	714.051	90.274	23.490	66.784
2018	56353	6907.050	1668.929	5238.121	9.295	75.837	672.290	82.675	19.910	62.765
2019	56188	6732.046	1513.980	5218.066	9.287	77.511	663.644	79.801	17.882	61.919
2020	55643	6429.836	1360.270	5069.566	9.111	78.844	744.183	86.373	18.193	68.181
2021	56656	6562.016	1260.508	5301.508	9.357	80.791	752.006	87.513	16.731	70.782
2022	56218	6352.366	1134.056	5218.310	9.282	82.148	740.276	84.075	14.933	69.142
2023	55756	6134.123	1024.790	5109.333	9.164	83.294	728.242	80.557	13.385	67.172
2024	55216	5922.193	926.080	4996.113	9.048	84.363	715.408	77.179	11.999	65.180
2025	53768	5504.188	826.552	4677.636	8.700	84.983	803.091	82.789	12.346	70.443
2026	55803	5641.075	789.669	4851.406	8.694	86.001	829.957	84.526	11.745	72.782
2027	54750	5426.216	718.491	4707.725	8.599	86.759	810.682	80.982	10.639	70.343
2028	53667	5197.830	646.856	4550.974	8.480	87.555	790.965	77.249	9.534	67.716
2029	52576	4973.547	587.346	4386.201	8.343	88.191	771.106	73.590	8.614	64.975
2030	50100	4450.618	509.150	3941.468	7.867	88.560	868.376	77.952	8.825	69.127
2031	52681	4555.052	492.551	4062.501	7.712	89.187	911.378	79.674	8.521	71.153
2032	51394	4349.999	442.945	3907.055	7.602	89.817	886.914	75.939	7.644	68.295
2033	50119	4147.948	401.671	3746.277	7.475	90.316	862.346	72.237	6.911	65.325
2034	48836	3966.133	367.306	3598.827	7.369	90.739	837.495	68.881	6.299	62.582
2035	45283	3289.064	298.531	2990.533	6.604	90.924	948.943	69.952	6.256	63.696
2036	47183	3313.192	285.407	3027.785	6.417	91.386	989.607	70.572	5.986	64.586
2037	45688	3117.951	256.300	2861.652	6.263	91.780	958.418	66.464	5.377	61.088
2038	44235	2949.775	230.752	2719.023	6.147	92.177	927.339	62.876	4.837	58.038
2039	42838	2766.312	211.257	2555.055	5.964	92.363	896.623	58.905	4.422	54.483

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Rate	Rates	Rates
All Comb	1359351	104899.750	57309.905	47589.85	3.501	45.367

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000
1991	32505	3207.063	3189.228	17.835	0.055	0.556
1992	32560	3218.125	3168.709	49.416	0.152	1.536
1993	32768	3226.680	3131.298	95.383	0.291	2.956
1994	33006	3277.266	3120.944	156.321	0.474	4.770
1995	33731	3309.378	3080.841	228.537	0.678	6.906
1996	33752	3312.987	2997.992	314.995	0.933	9.508
1997	33702	3267.066	2862.498	404.568	1.200	12.383
1998	33278	3178.725	2689.045	489.680	1.471	15.405
1999	33897	3120.351	2541.952	578.399	1.706	18.536
2000	33835	3142.808	2455.489	687.319	2.031	21.870
2001	32516	2961.588	2213.216	748.372	2.302	25.269
2002	32092	2940.627	2086.714	853.914	2.661	29.038
2003	30585	2819.545	1896.077	923.468	3.019	32.752
2004	29408	2730.466	1732.769	997.697	3.393	36.539
2005	27978	2670.510	1593.564	1076.946	3.849	40.327
2006	27230	2623.285	1469.114	1154.172	4.239	43.997
2007	26335	2536.599	1329.833	1206.766	4.582	47.574
2008	26036	2469.443	1216.154	1253.289	4.814	50.752
2009	25083	2386.945	1098.708	1288.237	5.136	53.970
2010	24889	2329.274	1001.310	1327.964	5.336	57.012
2011	24848	2286.581	912.955	1373.626	5.528	60.073
2012	24563	2243.311	829.459	1413.852	5.756	63.025
2013	24521	2176.503	744.784	1431.720	5.839	65.781
2014	25378	2211.619	702.410	1509.209	5.947	68.240
2015	26412	2237.016	664.791	1572.225	5.953	70.282
2016	26843	2229.057	615.288	1613.769	6.012	72.397
2017	27739	2221.649	569.358	1652.291	5.957	74.372
2018	25380	1939.420	464.819	1474.601	5.810	76.033
2019	25567	1904.400	423.492	1480.907	5.792	77.762
2020	25531	1806.054	376.901	1429.154	5.598	79.131
2021	25615	1748.172	337.188	1410.985	5.508	80.712
2022	25721	1701.148	304.904	1396.244	5.428	82.077
2023	25818	1652.087	276.451	1375.636	5.328	83.267
2024	25872	1597.127	249.396	1347.731	5.209	84.385
2025	25489	1467.622	218.781	1248.841	4.900	85.093
2026	25729	1390.505	195.497	1195.008	4.645	85.941
2027	25529	1342.095	178.084	1164.011	4.560	86.731
2028	25302	1289.536	160.923	1128.612	4.461	87.521
2029	25063	1242.216	146.852	1095.364	4.370	88.178
2030	24270	1096.803	124.301	972.502	4.007	88.667
2031	24295	1019.991	109.300	910.690	3.749	89.284
2032	23963	977.406	98.033	879.374	3.670	89.970
2033	23622	937.450	89.363	848.087	3.590	90.467
2034	23257	900.763	81.906	818.857	3.521	90.907
2035	22121	745.023	65.910	679.114	3.070	91.153
2036	21298	680.360	57.188	623.171	2.926	91.594
2037	20800	644.109	52.257	591.852	2.845	91.887
2038	20303	612.448	47.235	565.213	2.784	92.287
2039	19814	577.529	43.608	533.921	2.695	92.449

Results for PHIM for Run 8 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2176673	862051.244	589807.599	272243.6	12.507	31.581	595.265	236.673	161.298	75.375

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11592.286	10.647	0.040	0.092	383.818	167.661	167.507	0.154
1992	26828	11831.375	11803.646	27.729	0.103	0.234	382.401	168.642	168.247	0.396
1993	29774	13246.371	13187.359	59.012	0.198	0.445	418.407	186.148	185.317	0.830
1994	29805	13355.662	13261.878	93.783	0.315	0.702	412.603	184.893	183.593	1.301
1995	29756	13397.439	13258.320	139.120	0.468	1.038	405.542	182.598	180.697	1.901
1996	30902	13960.356	13767.329	193.027	0.625	1.383	415.684	187.801	185.195	2.605
1997	31131	14109.552	13846.697	262.855	0.844	1.863	412.955	187.180	183.679	3.500
1998	32100	14599.657	14237.207	362.450	1.129	2.483	419.813	190.958	186.197	4.760
1999	34622	15728.102	15239.845	488.257	1.410	3.104	446.689	202.950	196.621	6.329
2000	34308	15579.803	14978.893	600.910	1.752	3.857	437.113	198.541	190.845	7.696
2001	34604	15696.614	14957.651	738.964	2.135	4.708	435.974	197.812	188.449	9.362
2002	34307	15519.777	14633.380	886.397	2.584	5.711	427.963	193.668	182.545	11.123
2003	35095	15888.389	14818.979	1069.410	3.047	6.731	433.662	196.413	183.116	13.298
2004	33537	15091.573	13903.016	1188.557	3.544	7.876	410.240	184.701	170.067	14.635
2005	35425	15803.656	14365.573	1438.083	4.060	9.100	428.493	191.278	173.764	17.514
2006	34019	15100.563	13538.558	1562.005	4.592	10.344	407.856	181.174	162.313	18.861
2007	34045	14974.384	13226.285	1748.098	5.135	11.674	404.052	177.871	156.970	20.901
2008	37484	16406.197	14284.543	2121.654	5.660	12.932	439.982	192.768	167.670	25.097
2009	36893	16083.194	13734.963	2348.231	6.365	14.601	428.113	186.846	159.381	27.464
2010	36865	15927.400	13370.448	2556.953	6.936	16.054	422.821	182.917	153.351	29.566
2011	37726	16221.836	13328.613	2893.223	7.669	17.835	428.551	184.547	151.408	33.138
2012	38369	16358.849	13161.213	3197.636	8.334	19.547	431.319	184.202	147.951	36.251
2013	40234	16994.822	13356.660	3638.162	9.042	21.407	447.355	189.311	148.510	40.801
2014	40221	16855.093	12917.950	3937.144	9.789	23.359	442.211	185.696	142.028	43.667
2015	42361	17572.483	13194.071	4378.412	10.336	24.916	520.448	216.445	162.104	54.341
2016	42786	17579.955	12848.102	4731.854	11.059	26.916	520.527	214.473	156.309	58.164
2017	44570	18080.688	12826.989	5253.700	11.787	29.057	536.971	218.496	154.536	63.960
2018	45592	18209.262	12579.420	5629.842	12.348	30.917	543.908	217.960	150.072	67.887
2019	47140	18648.302	12493.508	6154.794	13.056	33.005	556.778	221.054	147.563	73.491
2020	48630	19002.597	12377.470	6625.127	13.624	34.864	650.395	255.266	165.541	89.726
2021	48665	18885.717	11878.204	7007.513	14.399	37.105	645.950	251.867	157.663	94.204
2022	50072	19235.076	11684.332	7550.745	15.080	39.255	659.351	254.582	153.860	100.722
2023	51488	19521.158	11490.872	8030.286	15.596	41.136	672.488	256.363	150.084	106.279
2024	52845	19918.620	11312.827	8605.793	16.285	43.205	684.689	259.583	146.574	113.009
2025	53880	20150.545	11075.458	9075.087	16.843	45.036	804.768	303.086	165.426	137.660
2026	54774	20393.792	10761.268	9632.524	17.586	47.233	814.651	305.582	160.052	145.530
2027	55639	20615.351	10449.097	10166.25	18.272	49.314	823.843	307.668	154.720	152.949
2028	56448	20731.894	10080.077	10651.82	18.870	51.379	831.952	308.115	148.564	159.550
2029	57218	20781.967	9684.496	11097.47	19.395	53.400	839.198	307.495	142.038	165.457
2030	57499	20753.201	9313.242	11439.96	19.896	55.124	996.624	363.487	161.424	202.063
2031	59109	21048.417	9179.264	11869.15	20.080	56.390	1022.59	368.165	158.802	209.363
2032	59662	21169.329	8817.246	12352.08	20.703	58.349	1029.59	369.560	152.160	217.400
2033	60176	21109.293	8420.192	12689.10	21.087	60.111	1035.38	367.618	144.876	222.742
2034	60616	21109.429	8033.806	13075.62	21.571	61.942	1039.52	366.613	137.774	228.839
2035	59996	20794.840	7596.688	13198.15	21.999	63.468	1257.25	442.268	159.194	283.075
2036	57078	19354.577	6759.789	12594.79	22.066	65.074	1197.14	412.258	141.778	270.480
2037	57070	19064.169	6253.110	12811.06	22.448	67.200	1197.18	406.385	131.174	275.211
2038	57029	18854.812	5838.174	13016.64	22.825	69.036	1195.56	401.900	122.391	279.508
2039	56981	18437.457	5393.898	13043.56	22.891	70.745	1192.63	392.602	112.896	279.705

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Control File Details for Run: 9

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S2E
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_2
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 9, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 9, Scenario: Ecig

Variable Parameter		Value									
1. Country		US (United States)									
2. Sex		M (Males)									
3. Assumption Set		S2E									
Note:		Period is in Months									

Age	Period	Initiation			Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual	
10-14	1-12	0.001921	0.001921	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	1-12	0.002360	0.002360	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000	
20-24	1-12	0.000188	0.000188	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000	
25-29	1-12	0.000093	0.000093	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000	
30-34	1-12	0.000047	0.000047	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000	
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000	
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000	
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000	
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000	
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000	
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000	
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000	
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000	
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000	
10-14	13-72	0.001962	0.002944	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	13-72	0.002796	0.004193	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000	
20-24	13-72	0.000275	0.000412	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000	
25-29	13-72	0.000385	0.000578	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000	
30-34	13-72	0.000146	0.000218	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000	
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000	
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000	
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000	
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000	
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000	
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000	
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000	
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000	
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000	
10-14	73-132	0.000862	0.003449	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	73-132	0.001066	0.004264	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000	
20-24	73-132	0.000491	0.001965	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000	
25-29	73-132	0.000168	0.000671	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000	
30-34	73-132	0.000083	0.000332	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000	
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000	
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000	
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000	
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000	
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000	
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000	
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000	
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000	
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000	
10-14	133-192	0.000173	0.003294	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	133-192	0.000234	0.004442	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000	
20-24	133-192	0.000003	0.000059	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000	
25-29	133-192	0.000071	0.001351	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000	
30-34	133-192	0.000035	0.000661	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000	
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000	
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000	
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000	
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000	
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000	
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000	
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000	
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000	
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000	
10-14	193-252	0.000116	0.002198	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000	
15-19	193-252	0.000199	0.003788	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000	
20-24	193-252	0.000016	0.000304	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000	
25-29	193-252	0.000013	0.000239	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000	
30-34	193-252	0.000006	0.000119	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000	
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000	
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000	
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000	
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000	

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

25-29	253+	0.005888	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.006188	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.005440	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.004964	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.003726	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.002468	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.001725	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000205	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 9, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 9, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	19705	21.35	0	0.00			
5	All Ages	Ecig	7193	7.79					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	27024	29.28			15.14	1692	6.26
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	406	11.46	0	0.00			
5	18-19	Ecig	587	16.56					
5	18-19	Dual	0	0.00					
5	18-19	Former	103	2.91			1.04	73	70.87
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	1630	18.03	0	0.00			
5	20-24	Ecig	1088	12.04					
5	20-24	Dual	0	0.00					
5	20-24	Former	535	5.92			2.79	150	28.04
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	2187	22.28	0	0.00			
5	25-29	Ecig	998	10.17					
5	25-29	Dual	0	0.00					
5	25-29	Former	1160	11.82			5.44	99	8.53
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

5	30-34	Never Any	5065	47.50					
5	30-34	CC	2530	23.72	0	0.00			
5	30-34	Ecig	1253	11.75					
5	30-34	Dual	0	0.00					
5	30-34	Former	1816	17.03			6.91	119	6.55
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	2646	24.24	0	0.00			
5	35-39	Ecig	1134	10.39					
5	35-39	Dual	0	0.00					
5	35-39	Former	2412	22.10			8.19	135	5.60
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	2294	23.20	0	0.00			
5	40-44	Ecig	876	8.86					
5	40-44	Dual	0	0.00					
5	40-44	Former	2778	28.09			12.05	129	4.64
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	2121	24.51	0	0.00			
5	45-49	Ecig	648	7.49					
5	45-49	Dual	0	0.00					
5	45-49	Former	2974	34.36			14.11	122	4.10
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	1652	25.36	0	0.00			
5	50-54	Ecig	341	5.23					
5	50-54	Dual	0	0.00					
5	50-54	Former	2603	39.95			16.21	141	5.42
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	1298	23.70	0	0.00			
5	55-59	Ecig	182	3.32					
5	55-59	Dual	0	0.00					
5	55-59	Former	2386	43.56			17.08	133	5.57
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	1069	21.45	0	0.00			
5	60-64	Ecig	73	1.46					
5	60-64	Dual	0	0.00					
5	60-64	Former	2504	50.25			17.11	149	5.95
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	821	16.74	0	0.00			
5	65-69	Ecig	13	0.27					
5	65-69	Dual	0	0.00					
5	65-69	Former	2902	59.16			20.41	215	7.41
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	615	14.02	0	0.00			
5	70-74	Ecig	0	0.00					
5	70-74	Dual	0	0.00					
5	70-74	Former	2749	62.66			21.87	133	4.84
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	436	12.46	0	0.00			
5	75-79	Ecig	0	0.00					
5	75-79	Dual	0	0.00					
5	75-79	Former	2102	60.07			23.00	94	4.47
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	13636	14.49	0	0.00			
10	All Ages	Ecig	11833	12.58					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29446	31.29			16.82	1682	5.71
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	869	9.82	0	0.00			
10	20-24	Ecig	2103	23.78					
10	20-24	Dual	0	0.00					
10	20-24	Former	946	10.70			3.34	272	28.75
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	1080	11.95	0	0.00			
10	25-29	Ecig	1648	18.23					
10	25-29	Dual	0	0.00					
10	25-29	Former	971	10.74			5.13	177	18.23
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	1448	14.75	0	0.00			
10	30-34	Ecig	1619	16.49					
10	30-34	Dual	0	0.00					
10	30-34	Former	1473	15.01			8.64	120	8.15
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	1698	15.92	0	0.00			
10	35-39	Ecig	1902	17.84					
10	35-39	Dual	0	0.00					
10	35-39	Former	2067	19.38			10.70	96	4.64
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	1740	15.94	0	0.00			
10	40-44	Ecig	1698	15.56					
10	40-44	Dual	0	0.00					
10	40-44	Former	2754	25.23			11.82	127	4.61
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	1550	15.67	0	0.00			
10	45-49	Ecig	1264	12.78					
10	45-49	Dual	0	0.00					
10	45-49	Former	3134	31.69			15.33	152	4.85
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	1432	16.55	0	0.00			
10	50-54	Ecig	876	10.12					
10	50-54	Dual	0	0.00					
10	50-54	Former	3435	39.69			16.81	182	5.30
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	1175	18.04	0	0.00			
10	55-59	Ecig	449	6.89					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2972	45.62			18.84	129	4.34
10	60-64	Never Any		1611	29.41					
10	60-64	CC		907	16.56	0	0.00			
10	60-64	Ecig		207	3.78					
10	60-64	Dual		0	0.00					
10	60-64	Former		2752	50.25			19.40	148	5.38
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		759	15.23	0	0.00			
10	65-69	Ecig		61	1.22					
10	65-69	Dual		0	0.00					
10	65-69	Former		2826	56.71			19.82	127	4.49
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		562	11.46	0	0.00			
10	70-74	Ecig		6	0.12					
10	70-74	Dual		0	0.00					
10	70-74	Former		3168	64.59			23.48	80	2.53
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		416	9.48	0	0.00			
10	75-79	Ecig		0	0.00					
10	75-79	Dual		0	0.00					
10	75-79	Former		2948	67.20			25.20	72	2.44
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		8994	10.03	0	0.00			
15	All Ages	Ecig		12911	14.39					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		30351	33.83			18.50	1515	4.99
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		562	6.35	0	0.00			
15	25-29	Ecig		2231	25.22					
15	25-29	Dual		0	0.00					
15	25-29	Former		1418	16.03			6.29	172	12.13
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		650	7.19	0	0.00			
15	30-34	Ecig		1942	21.48					
15	30-34	Dual		0	0.00					
15	30-34	Former		1406	15.55			7.59	168	11.95
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		918	9.35	0	0.00			

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15	35-39	Ecig	1927	19.63					
15	35-39	Dual	0	0.00					
15	35-39	Former	1808	18.42			11.49	121	6.69
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	1089	10.21	0	0.00			
15	40-44	Ecig	2095	19.65					
15	40-44	Dual	0	0.00					
15	40-44	Former	2483	23.28			13.37	192	7.73
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	1172	10.74	0	0.00			
15	45-49	Ecig	1847	16.92					
15	45-49	Dual	0	0.00					
15	45-49	Former	3173	29.07			14.85	179	5.64
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	1124	11.37	0	0.00			
15	50-54	Ecig	1325	13.40					
15	50-54	Dual	0	0.00					
15	50-54	Former	3499	35.38			18.43	144	4.12
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	1083	12.51	0	0.00			
15	55-59	Ecig	910	10.51					
15	55-59	Dual	0	0.00					
15	55-59	Former	3750	43.33			20.17	107	2.85
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	858	13.17	0	0.00			
15	60-64	Ecig	429	6.58					
15	60-64	Dual	0	0.00					
15	60-64	Former	3309	50.79			21.59	166	5.02
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	634	11.58	0	0.00			
15	65-69	Ecig	158	2.88					
15	65-69	Dual	0	0.00					
15	65-69	Former	3074	56.13			22.06	116	3.77
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	529	10.62	0	0.00			
15	70-74	Ecig	42	0.84					
15	70-74	Dual	0	0.00					
15	70-74	Former	3075	61.71			22.99	86	2.80
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	375	7.65	0	0.00			
15	75-79	Ecig	5	0.10					
15	75-79	Dual	0	0.00					
15	75-79	Former	3356	68.42			27.01	64	1.91
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	5855	6.90	0	0.00			
20	All Ages	Ecig	11929	14.07					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	30913	36.45			19.85	1543	4.99
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	312	3.53	0	0.00			
20	30-34	Ecig	2111	23.87					
20	30-34	Dual	0	0.00					
20	30-34	Former	1914	21.64			8.86	212	11.08
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	387	4.28	0	0.00			
20	35-39	Ecig	1779	19.68					
20	35-39	Dual	0	0.00					
20	35-39	Former	1883	20.83			9.96	152	8.07
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	596	6.07	0	0.00			
20	40-44	Ecig	1868	19.03					
20	40-44	Dual	0	0.00					
20	40-44	Former	2189	22.30			13.96	155	7.08
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	722	6.77	0	0.00			
20	45-49	Ecig	2021	18.95					
20	45-49	Dual	0	0.00					
20	45-49	Former	2924	27.42			15.92	159	5.44
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	837	7.67	0	0.00			
20	50-54	Ecig	1752	16.05					
20	50-54	Dual	0	0.00					
20	50-54	Former	3603	33.01			17.72	173	4.80
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	785	7.94	0	0.00			
20	55-59	Ecig	1182	11.95					
20	55-59	Dual	0	0.00					
20	55-59	Former	3981	40.26			20.83	195	4.90
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	755	8.72	0	0.00			
20	60-64	Ecig	752	8.69					
20	60-64	Dual	0	0.00					
20	60-64	Former	4236	48.94			22.47	252	5.95
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	601	9.22	0	0.00			
20	65-69	Ecig	316	4.85					
20	65-69	Dual	0	0.00					
20	65-69	Former	3679	56.47			24.14	122	3.32
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	481	8.78	0	0.00			
20	70-74	Ecig	117	2.14					
20	70-74	Dual	0	0.00					
20	70-74	Former	3268	59.67			25.59	67	2.05
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	379	7.61	0	0.00			
20	75-79	Ecig	31	0.62					
20	75-79	Dual	0	0.00					
20	75-79	Former	3236	64.94			26.71	56	1.73
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	3857	4.83	0	0.00			
25	All Ages	Ecig	10482	13.13					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	30731	38.50			21.87	1082	3.52
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	179	2.02	0	0.00			
25	35-39	Ecig	1819	20.57					
25	35-39	Dual	0	0.00					
25	35-39	Former	2358	26.66			11.68	144	6.11
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	233	2.58	0	0.00			
25	40-44	Ecig	1648	18.23					
25	40-44	Dual	0	0.00					

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

25	40-44	Former	2168	23.98			13.26	108	4.98
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5163	52.60					
25	45-49	CC	406	4.14	0	0.00			
25	45-49	Ecig	1772	18.05					
25	45-49	Dual	0	0.00					
25	45-49	Former	2475	25.21			17.03	88	3.56
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4997	46.86					
25	50-54	CC	524	4.91	0	0.00			
25	50-54	Ecig	1931	18.11					
25	50-54	Dual	0	0.00					
25	50-54	Former	3212	30.12			19.22	124	3.86
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4724	43.28					
25	55-59	CC	611	5.60	0	0.00			
25	55-59	Ecig	1529	14.01					
25	55-59	Dual	0	0.00					
25	55-59	Former	4052	37.12			20.44	163	4.02
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	578	5.84	0	0.00			
25	60-64	Ecig	924	9.34					
25	60-64	Dual	0	0.00					
25	60-64	Former	4446	44.96			23.34	184	4.14
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	514	5.94	0	0.00			
25	65-69	Ecig	532	6.15					
25	65-69	Dual	0	0.00					
25	65-69	Former	4697	54.27			25.00	148	3.15
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	446	6.85	0	0.00			
25	70-74	Ecig	235	3.61					
25	70-74	Dual	0	0.00					
25	70-74	Former	3915	60.09			27.51	78	1.99
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	366	6.68	0	0.00			
25	75-79	Ecig	92	1.68					
25	75-79	Dual	0	0.00					
25	75-79	Former	3408	62.22			29.42	45	1.32
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	33136	44.57					
30	All Ages	CC	2497	3.36	0	0.00			
30	All Ages	Ecig	8874	11.94					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	29833	40.13			23.93	925	3.10
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	110	1.24	0	0.00			
30	40-44	Ecig	1611	18.21					
30	40-44	Dual	0	0.00					
30	40-44	Former	2635	29.79			15.14	111	4.21
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	150	1.66	0	0.00			
30	45-49	Ecig	1502	16.62					
30	45-49	Dual	0	0.00					
30	45-49	Former	2397	26.52			16.75	66	2.75
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	309	3.15	0	0.00			
30	50-54	Ecig	1680	17.11					
30	50-54	Dual	0	0.00					
30	50-54	Former	2664	27.14			20.58	96	3.60
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	365	3.42	0	0.00			
30	55-59	Ecig	1681	15.76					
30	55-59	Dual	0	0.00					
30	55-59	Former	3621	33.96			21.71	155	4.28
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	437	4.00	0	0.00			
30	60-64	Ecig	1162	10.64					
30	60-64	Dual	0	0.00					
30	60-64	Former	4593	42.08			22.68	221	4.81
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	413	4.18	0	0.00			
30	65-69	Ecig	666	6.73					
30	65-69	Dual	0	0.00					
30	65-69	Former	4869	49.24			26.08	137	2.81
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	377	4.36	0	0.00			
30	70-74	Ecig	395	4.56					
30	70-74	Dual	0	0.00					
30	70-74	Former	4971	57.44			28.47	89	1.79
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	336	5.16	0	0.00			
30	75-79	Ecig	177	2.72					
30	75-79	Dual	0	0.00					
30	75-79	Former	4083	62.67			31.27	50	1.22
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	1580	2.33	0	0.00			
35	All Ages	Ecig	7222	10.65					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	27806	41.00			25.86	791	2.84
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	74	0.84	0	0.00			
35	45-49	Ecig	1449	16.38					
35	45-49	Dual	0	0.00					
35	45-49	Former	2833	32.03			18.90	61	2.15
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	112	1.24	0	0.00			
35	50-54	Ecig	1408	15.58					
35	50-54	Dual	0	0.00					
35	50-54	Former	2529	27.98			20.70	65	2.57
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	224	2.28	0	0.00			
35	55-59	Ecig	1399	14.25					
35	55-59	Dual	0	0.00					
35	55-59	Former	3030	30.87			22.73	160	5.28
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	265	2.48	0	0.00			
35	60-64	Ecig	1297	12.16					
35	60-64	Dual	0	0.00					
35	60-64	Former	4105	38.49			23.80	188	4.58
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	300	2.75	0	0.00			
35	65-69	Ecig	864	7.91					
35	65-69	Dual	0	0.00					
35	65-69	Former	5028	46.06			25.47	156	3.10
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	312	3.16	0	0.00			
35	70-74	Ecig	515	5.21					
35	70-74	Dual	0	0.00					
35	70-74	Former	5121	51.78			29.65	88	1.72
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	293	3.39	0	0.00			
35	75-79	Ecig	290	3.35					
35	75-79	Dual	0	0.00					
35	75-79	Former	5160	59.62			32.32	73	1.41
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	933	1.58	0	0.00			
40	All Ages	Ecig	5540	9.36					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	24392	41.22			27.43	678	2.78
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any		4489	50.75					
40	50-54	CC		55	0.62	0	0.00			
40	50-54	Ecig		1320	14.92					
40	50-54	Dual		0	0.00					
40	50-54	Former		2981	33.70			22.80	73	2.45
Year of Follow-up: 2030, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any		4991	55.21					
40	55-59	CC		81	0.90	0	0.00			
40	55-59	Ecig		1186	13.12					
40	55-59	Dual		0	0.00					
40	55-59	Former		2782	30.77			23.56	99	3.56
Year of Follow-up: 2030, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any		5163	52.60					
40	60-64	CC		151	1.54	0	0.00			
40	60-64	Ecig		1050	10.70					
40	60-64	Dual		0	0.00					
40	60-64	Former		3452	35.17			24.57	186	5.39
Year of Follow-up: 2030, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any		4997	46.86					
40	65-69	CC		190	1.78	0	0.00			
40	65-69	Ecig		941	8.82					
40	65-69	Dual		0	0.00					
40	65-69	Former		4536	42.54			26.27	138	3.04
Year of Follow-up: 2030, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any		4724	43.28					
40	70-74	CC		221	2.02	0	0.00			
40	70-74	Ecig		656	6.01					
40	70-74	Dual		0	0.00					
40	70-74	Former		5315	48.69			28.94	98	1.84
Year of Follow-up: 2030, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any		3941	39.85					
40	75-79	CC		235	2.38	0	0.00			

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

40	75-79	Ecig	387	3.91					
40	75-79	Dual	0	0.00					
40	75-79	Former	5326	53.86			33.40	84	1.58
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	529	1.07	0	0.00			
45	All Ages	Ecig	3988	8.09					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	20400	41.40			28.89	543	2.66
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

45	55-59	Never Any	4489	50.75					
45	55-59	CC	43	0.49	0	0.00			
45	55-59	Ecig	1119	12.65					
45	55-59	Dual	0	0.00					
45	55-59	Former	3194	36.11			26.06	96	3.01
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	62	0.69	0	0.00			
45	60-64	Ecig	933	10.32					
45	60-64	Dual	0	0.00					
45	60-64	Former	3054	33.78			26.18	130	4.26
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	114	1.16	0	0.00			
45	65-69	Ecig	756	7.70					
45	65-69	Dual	0	0.00					
45	65-69	Former	3783	38.54			27.18	112	2.96
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	148	1.39	0	0.00			
45	70-74	Ecig	707	6.63					
45	70-74	Dual	0	0.00					
45	70-74	Former	4812	45.12			29.60	103	2.14
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	162	1.48	0	0.00			
45	75-79	Ecig	473	4.33					
45	75-79	Dual	0	0.00					
45	75-79	Former	5557	50.91			32.55	102	1.84
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	274	0.71	0	0.00			
50	All Ages	Ecig	2585	6.74					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	15866	41.36			30.56	391	2.46
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	30	0.34	0	0.00			
50	60-64	Ecig	824	9.32					
50	60-64	Dual	0	0.00					
50	60-64	Former	3502	39.59			28.50	138	3.94
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	44	0.49	0	0.00			
50	65-69	Ecig	666	7.37					
50	65-69	Dual	0	0.00					
50	65-69	Former	3339	36.94			28.70	104	3.11
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	86	0.88	0	0.00			
50	70-74	Ecig	563	5.74					
50	70-74	Dual	0	0.00					
50	70-74	Former	4004	40.79			30.53	70	1.75
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	114	1.07	0	0.00			
50	75-79	Ecig	532	4.99					
50	75-79	Dual	0	0.00					
50	75-79	Former	5021	47.08			33.25	79	1.57

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	3644756.203	864634.4	6.576	19.174	3806.31	1305.37	1055.08	250.293

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123893.979	105.463	0.034	0.085	4883.81	1933.45	1931.81	1.644
1992	308577	122014.015	121755.499	258.516	0.084	0.212	4729.73	1870.18	1866.21	3.962
1993	311713	122810.618	122325.541	485.077	0.156	0.395	4692.62	1848.83	1841.52	7.302
1994	305700	119925.592	119166.532	759.060	0.248	0.633	4516.19	1771.69	1760.48	11.214
1995	303225	117896.496	116776.738	1119.758	0.369	0.950	4393.80	1708.35	1692.12	16.226
1996	299559	115698.645	114162.184	1536.461	0.513	1.328	4273.16	1650.42	1628.50	21.917
1997	294226	113359.847	111390.678	1969.169	0.669	1.737	4128.67	1590.70	1563.07	27.632
1998	289258	111444.212	108991.095	2453.117	0.848	2.201	3992.19	1538.10	1504.24	33.857
1999	311002	114877.722	111425.724	3451.997	1.110	3.005	4224.60	1560.48	1513.59	46.891
2000	303786	112379.704	108275.566	4104.138	1.351	3.652	4066.21	1504.22	1449.28	54.934
2001	296294	110024.943	105160.191	4864.752	1.642	4.421	3914.28	1453.52	1389.25	64.267
2002	291898	108289.173	102523.255	5765.919	1.975	5.325	3813.00	1414.56	1339.24	75.319
2003	285865	106539.023	99941.477	6597.546	2.308	6.193	3695.36	1377.22	1291.94	85.286
2004	274177	103037.251	95708.030	7329.221	2.673	7.113	3506.10	1317.61	1223.89	93.724
2005	272379	103044.562	94765.066	8279.496	3.040	8.035	3442.69	1302.41	1197.77	104.647
2006	264118	99672.555	90337.987	9334.568	3.534	9.365	3307.76	1248.28	1131.37	116.904
2007	258419	97839.152	87624.434	10214.72	3.953	10.440	3203.20	1212.75	1086.14	126.615
2008	259461	98075.852	86851.962	11223.89	4.326	11.444	3180.09	1202.07	1064.50	137.566
2009	253907	95617.338	83511.756	12105.58	4.768	12.660	3075.31	1158.11	1011.49	146.622
2010	251878	94607.988	81575.868	13032.12	5.174	13.775	3013.72	1131.98	976.055	155.929
2011	251779	93633.119	79326.291	14306.83	5.682	15.280	2982.76	1109.25	939.759	169.490
2012	252643	92775.175	77336.677	15438.50	6.111	16.641	2960.61	1087.19	906.273	180.917
2013	256175	92345.780	75703.919	16641.86	6.496	18.021	2967.76	1069.82	877.022	192.794
2014	257393	91379.215	73648.189	17731.03	6.889	19.404	2947.05	1046.26	843.243	203.013
2015	259782	90750.242	72100.574	18649.67	7.179	20.551	3346.10	1168.90	928.686	240.216
2016	261453	88811.996	68973.879	19838.12	7.588	22.337	3336.15	1133.24	880.110	253.135
2017	263685	87325.126	66424.620	20900.51	7.926	23.934	3333.85	1104.08	839.827	264.252
2018	258714	87612.144	65681.230	21930.91	8.477	25.032	3240.73	1097.46	822.743	274.713
2019	261438	87797.760	64605.178	23192.58	8.871	26.416	3242.99	1089.08	801.391	287.691
2020	262288	87221.042	63334.919	23886.12	9.107	27.386	3715.29	1235.48	897.134	338.345
2021	255079	82001.292	57474.025	24527.27	9.616	29.911	3587.82	1153.39	808.401	344.988
2022	257097	81915.977	56067.141	25848.84	10.054	31.555	3588.53	1143.37	782.580	360.795
2023	259080	81810.810	54607.999	27202.81	10.500	33.251	3586.88	1132.64	756.031	376.614
2024	260719	81528.303	53127.657	28400.65	10.893	34.835	3579.65	1119.38	729.439	389.939
2025	257308	79599.213	51197.279	28401.93	11.038	35.681	4112.08	1272.09	818.192	453.896
2026	251528	75082.462	46326.136	28756.33	11.433	38.300	4003.24	1194.99	737.312	457.677
2027	250988	74444.425	44551.041	29893.38	11.910	40.155	3976.53	1179.46	705.845	473.616
2028	250285	73699.585	42755.952	30943.63	12.363	41.986	3945.35	1161.76	673.981	487.778
2029	249525	72819.703	40955.346	31864.36	12.770	43.758	3910.99	1141.36	641.923	499.433
2030	240528	69309.277	38678.130	30631.15	12.735	44.195	4504.36	1297.95	724.322	573.627
2031	235442	65433.368	34732.442	30700.93	13.040	46.919	4397.65	1222.18	648.741	573.440
2032	234017	64643.552	32967.130	31676.42	13.536	49.002	4356.12	1203.31	613.667	589.641
2033	232559	63793.514	31263.272	32530.24	13.988	50.993	4310.93	1182.54	579.525	603.011
2034	230963	63032.151	29643.503	33388.65	14.456	52.971	4260.75	1162.80	546.855	615.945
2035	215822	57653.301	27348.312	30304.99	14.042	52.564	4924.38	1315.47	624.004	691.466
2036	208183	52988.733	23107.910	29880.82	14.353	56.391	4748.94	1208.75	527.123	681.623
2037	205491	52026.921	21684.002	30342.92	14.766	58.322	4682.40	1185.50	494.099	691.404
2038	202834	50943.211	20252.958	30690.25	15.131	60.244	4612.18	1158.38	460.526	697.857
2039	200251	50085.991	18943.867	31142.12	15.552	62.177	4538.65	1135.19	429.360	705.831

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1984193.179	260794.9	8.506	11.617	887.537	649.875	574.381	75.494

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62908.710	9.693	0.012	0.015	1223.41	981.049	980.898	0.151
1992	77987	62366.766	62347.549	19.217	0.025	0.031	1195.35	955.930	955.635	0.295
1993	78542	62652.888	62614.825	38.063	0.048	0.061	1182.39	943.195	942.622	0.573
1994	77437	61565.227	61505.257	59.970	0.077	0.097	1144.00	909.520	908.634	0.886
1995	76904	60851.961	60757.678	94.283	0.123	0.155	1114.36	881.759	880.393	1.366
1996	76232	60122.922	59982.844	140.078	0.184	0.233	1087.44	857.643	855.645	1.998
1997	75473	59237.155	59045.916	191.239	0.253	0.323	1059.06	831.234	828.551	2.684
1998	75381	58906.696	58641.478	265.218	0.352	0.450	1040.37	813.001	809.340	3.660
1999	73159	56930.073	56592.688	337.385	0.461	0.593	993.781	773.329	768.746	4.583
2000	73784	57137.121	56693.551	443.570	0.601	0.776	987.608	764.787	758.850	5.937
2001	73294	56481.726	55911.745	569.981	0.778	1.009	968.273	746.169	738.639	7.530
2002	72442	55588.365	54876.573	711.792	0.983	1.280	946.293	726.138	716.840	9.298
2003	71942	54945.856	54078.796	867.061	1.205	1.578	929.989	710.281	699.073	11.208
2004	71301	54203.126	53144.947	1058.178	1.484	1.952	911.778	693.135	679.603	13.532
2005	70964	53744.603	52491.052	1253.551	1.766	2.332	896.937	679.296	663.452	15.844
2006	69658	52535.572	51044.107	1491.465	2.141	2.839	872.383	657.945	639.266	18.679
2007	68565	51492.124	49762.028	1730.096	2.523	3.360	849.888	638.264	616.816	21.445
2008	68226	51030.736	49007.920	2022.816	2.965	3.964	836.215	625.460	600.668	24.793
2009	67509	50276.199	47939.416	2336.783	3.461	4.648	817.667	608.943	580.640	28.303
2010	67196	49840.933	47195.727	2645.206	3.937	5.307	804.000	596.347	564.697	31.650
2011	66506	49072.841	46015.333	3057.508	4.597	6.231	787.880	581.354	545.132	36.222
2012	66155	48539.512	45078.128	3461.384	5.232	7.131	775.240	568.812	528.250	40.562
2013	65333	47675.741	43806.961	3868.780	5.922	8.115	756.876	552.318	507.499	44.819
2014	65033	47194.534	42925.807	4268.727	6.564	9.045	744.602	540.359	491.484	48.875
2015	64145	46305.842	41671.235	4634.607	7.225	10.009	726.215	526.439	476.743	59.696
2016	61618	44208.867	39289.969	4918.897	7.983	11.126	786.248	564.107	501.342	62.765
2017	59897	42702.624	37470.119	5232.505	8.736	12.253	757.297	539.903	473.746	66.156
2018	62468	44321.202	38209.368	6111.834	9.784	13.790	782.490	555.181	478.622	76.559
2019	63045	44493.088	37749.823	6743.265	10.696	15.156	782.035	551.912	468.265	83.646
2020	63466	44529.551	37184.732	7344.819	11.573	16.494	898.991	630.757	526.719	104.039
2021	57113	39852.556	32635.866	7216.690	12.636	18.108	803.323	560.546	459.040	101.506
2022	57440	39853.685	31955.597	7898.088	13.750	19.818	801.745	556.274	446.033	110.241
2023	57738	39847.050	31218.556	8628.494	14.944	21.654	799.366	551.670	432.211	119.459
2024	57942	39726.010	30427.349	9298.661	16.048	23.407	795.539	545.435	417.765	127.670
2025	57521	39207.348	29430.506	9776.842	16.997	24.936	919.257	626.579	470.334	156.245
2026	51428	34803.960	25472.975	9330.986	18.144	26.810	818.510	553.929	405.420	148.509
2027	51172	34484.595	24506.010	9978.585	19.500	28.936	810.740	546.357	388.261	158.096
2028	50870	34100.638	23524.123	10576.52	20.791	31.016	801.884	537.544	370.821	166.722
2029	50540	33669.838	22531.894	11137.94	22.038	33.080	792.146	527.732	353.159	174.573
2030	49109	32557.688	21296.271	11261.42	22.931	34.589	919.662	609.705	398.814	210.892
2031	43585	28646.393	18119.235	10527.16	24.153	36.749	814.096	535.065	338.436	196.629
2032	43163	28227.160	17187.092	11040.07	25.578	39.112	803.454	525.435	319.929	205.506
2033	42725	27786.623	16270.418	11516.20	26.954	41.445	791.996	515.079	301.604	213.475
2034	42256	27348.299	15381.670	11966.63	28.320	43.756	779.523	504.514	283.757	220.757
2035	39748	25570.077	14168.081	11402.00	28.686	44.591	906.933	583.430	323.272	260.158
2036	34030	21717.319	11259.592	10457.73	30.731	48.154	776.269	495.402	256.847	238.555
2037	33454	21256.024	10529.616	10726.41	32.063	50.463	762.289	484.347	239.931	244.416
2038	32883	20747.175	9804.180	10942.99	33.278	52.745	747.720	471.764	222.934	248.830
2039	32325	20327.688	9144.134	11183.55	34.597	55.016	732.644	460.724	207.250	253.473

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6360041	1098877.421	742089.650	356787.8	5.610	32.468	1841.09	318.101	214.819	103.282

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	37227.384	82.453	0.049	0.221	2620.21	581.750	580.465	1.286
1992	164548	36137.488	35925.621	211.867	0.129	0.586	2522.12	553.899	550.652	3.247
1993	164362	35599.588	35206.808	392.779	0.239	1.103	2474.35	535.926	530.013	5.913
1994	159866	34336.757	33723.996	612.761	0.383	1.785	2361.75	507.267	498.214	9.052
1995	158083	33455.759	32564.989	890.770	0.563	2.663	2290.66	484.782	471.874	12.907
1996	154875	32193.824	30986.358	1207.466	0.780	3.751	2209.26	459.239	442.015	17.224
1997	149970	30665.509	29140.539	1524.971	1.017	4.973	2104.43	430.308	408.909	21.399
1998	145407	29188.430	27330.389	1858.041	1.278	6.366	2006.83	402.844	377.200	25.644
1999	165952	33375.386	30666.355	2709.030	1.632	8.117	2254.27	453.366	416.567	36.799
2000	160260	32024.754	28871.141	3153.613	1.968	9.847	2145.10	428.655	386.444	42.212
2001	154444	30682.393	26999.931	3682.462	2.384	12.002	2040.33	405.339	356.691	48.648
2002	151887	30218.370	25900.266	4318.104	2.843	14.290	1984.06	394.736	338.329	56.406
2003	146733	29175.202	24318.637	4856.565	3.310	16.646	1896.81	377.146	314.365	62.780
2004	138381	27488.687	22228.093	5260.595	3.802	19.137	1769.58	351.518	284.247	67.271
2005	135881	27017.439	21184.304	5833.135	4.293	21.590	1717.44	341.482	267.755	73.727
2006	131922	26231.435	19768.464	6462.971	4.899	24.638	1652.16	328.517	247.576	80.941
2007	126502	25103.049	18228.113	6874.936	5.435	27.387	1568.04	311.161	225.944	85.217
2008	125859	24621.740	17253.959	7367.781	5.854	29.924	1542.60	301.777	211.474	90.304
2009	122428	23741.177	16028.325	7712.852	6.300	32.487	1482.84	287.552	194.134	93.418
2010	120537	23189.160	15057.205	8131.954	6.746	35.068	1442.22	277.458	180.159	97.299
2011	120221	22786.927	14128.559	8658.369	7.202	37.997	1424.23	269.951	167.378	102.574
2012	120927	22485.295	13382.974	9102.320	7.527	40.481	1417.09	263.495	156.829	106.666
2013	122648	22251.884	12718.445	9533.439	7.773	42.843	1420.86	257.786	147.342	110.444
2014	123229	21894.593	12002.031	9892.562	8.028	45.183	1410.92	250.685	137.419	113.266
2015	123774	21471.109	11321.133	10149.98	8.200	47.273	1594.26	276.557	145.821	130.736
2016	126218	21411.568	10765.959	10645.61	8.434	49.719	1610.55	273.213	137.374	135.838
2017	128265	21169.399	10187.049	10982.35	8.562	51.878	1621.69	267.651	128.798	138.853
2018	121429	19830.576	8917.419	10913.16	8.987	55.032	1521.05	248.404	111.702	136.701
2019	121832	19431.014	8315.314	11115.70	9.124	57.206	1511.26	241.031	103.147	137.884
2020	120811	18532.612	7679.574	10853.04	8.984	58.562	1711.27	262.513	108.781	153.732
2021	119407	18234.128	7023.197	11210.93	9.389	61.483	1679.51	256.472	98.785	157.687
2022	119438	17812.559	6474.241	11338.32	9.493	63.654	1667.10	248.626	90.367	158.259
2023	119445	17361.668	5960.022	11401.65	9.545	65.671	1653.68	240.367	82.515	157.852
2024	119305	16929.676	5503.785	11425.89	9.577	67.490	1638.05	232.443	75.567	156.877
2025	115685	15501.666	4911.825	10589.84	9.154	68.314	1848.78	247.735	78.497	169.238
2026	115073	15523.814	4534.598	10989.22	9.550	70.789	1831.46	247.072	72.171	174.901
2027	113989	15073.070	4155.901	10917.17	9.577	72.428	1805.98	238.810	65.844	172.966
2028	112855	14636.710	3787.855	10848.85	9.613	74.121	1778.98	230.725	59.710	171.015
2029	111718	14180.166	3454.845	10725.32	9.600	75.636	1751.04	222.256	54.150	168.106
2030	104851	12111.772	2984.700	9127.072	8.705	75.357	1963.54	226.816	55.894	170.922
2031	105289	12417.367	2789.879	9627.488	9.144	77.532	1966.62	231.935	52.110	179.825
2032	103879	12054.064	2526.193	9527.871	9.172	79.043	1933.67	224.381	47.024	177.357
2033	102485	11672.389	2280.707	9391.682	9.164	80.461	1899.76	216.370	42.277	174.093
2034	101070	11365.762	2090.920	9274.842	9.177	81.603	1864.51	209.673	38.573	171.100
2035	90820	8580.360	1651.145	6929.215	7.630	80.757	2072.23	195.777	37.674	158.103
2036	92117	8948.841	1544.251	7404.589	8.038	82.744	2101.31	204.135	35.226	168.909
2037	90327	8624.570	1418.660	7205.909	7.978	83.551	2058.21	196.522	32.326	164.196
2038	88590	8315.017	1286.553	7028.464	7.934	84.527	2014.42	189.073	29.255	159.818
2039	86921	8001.132	1169.313	6831.819	7.860	85.386	1970.05	181.344	26.502	154.842

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1489699	149918.462	100045.894	49872.57	3.348	33.266	431.236	43.398	28.961	14.437

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4546.538	9.028	0.028	0.198	508.609	71.032	70.891	0.141
1992	32100	4453.572	4432.512	21.060	0.066	0.473	492.014	68.262	67.940	0.323
1993	32896	4462.473	4421.066	41.407	0.126	0.928	495.226	67.179	66.556	0.623
1994	33323	4499.513	4431.727	67.786	0.203	1.507	492.290	66.473	65.471	1.001
1995	33569	4472.774	4368.515	104.259	0.311	2.331	486.422	64.812	63.301	1.511
1996	33870	4406.878	4258.858	148.020	0.437	3.359	483.150	62.863	60.752	2.111
1997	33516	4288.158	4093.815	194.343	0.580	4.532	470.307	60.173	57.446	2.727
1998	32795	4120.148	3877.027	243.121	0.741	5.901	452.620	56.864	53.509	3.355
1999	33375	3982.443	3690.632	291.810	0.874	7.327	453.361	54.097	50.133	3.964
2000	33459	4021.411	3661.054	360.357	1.077	8.961	447.853	53.827	49.004	4.823
2001	32275	3848.092	3429.385	418.708	1.297	10.881	426.379	50.836	45.305	5.531
2002	31586	3783.081	3293.708	489.374	1.549	12.936	412.601	49.418	43.025	6.393
2003	30985	3754.415	3178.374	576.042	1.859	15.343	400.541	48.533	41.087	7.446
2004	29884	3666.274	3017.265	649.009	2.172	17.702	382.149	46.883	38.584	8.299
2005	28708	3589.688	2861.729	727.960	2.536	20.279	362.850	45.371	36.170	9.201
2006	28188	3596.985	2753.438	843.546	2.993	23.451	353.021	45.048	34.484	10.564
2007	28026	3560.798	2627.189	933.609	3.331	26.219	347.392	44.137	32.565	11.572
2008	27128	3417.001	2421.921	995.080	3.668	29.121	332.495	41.881	29.684	12.196
2009	27068	3394.390	2310.724	1083.666	4.003	31.925	327.847	41.113	27.987	13.125
2010	26911	3340.137	2190.305	1149.833	4.273	34.425	321.990	39.965	26.207	13.758
2011	26959	3285.435	2066.716	1218.719	4.521	37.095	319.377	38.922	24.484	14.438
2012	27057	3259.209	1952.551	1306.659	4.829	40.091	317.068	38.193	22.881	15.312
2013	27904	3274.703	1878.996	1395.707	5.002	42.621	323.265	37.937	21.768	16.169
2014	28792	3298.083	1803.369	1494.714	5.191	45.321	329.657	37.762	20.648	17.114
2015	29560	3244.406	1709.273	1535.133	5.193	47.316	380.745	41.789	22.016	19.773
2016	30513	3314.836	1651.820	1663.016	5.450	50.169	389.347	42.297	21.077	21.220
2017	31416	3333.314	1574.860	1758.453	5.597	52.754	397.202	42.144	19.911	22.233
2018	29348	2925.242	1322.818	1602.424	5.460	54.779	367.626	36.642	16.570	20.072
2019	29598	2864.628	1226.874	1637.754	5.533	57.172	367.149	35.534	15.219	20.315
2020	29592	2730.366	1125.255	1605.111	5.424	58.787	419.174	38.675	15.939	22.736
2021	30097	2647.911	1033.147	1614.763	5.365	60.983	423.328	37.244	14.532	22.712
2022	30304	2586.165	950.088	1636.076	5.399	63.263	422.974	36.097	13.261	22.836
2023	30505	2517.960	874.366	1643.594	5.388	65.275	422.337	34.860	12.105	22.755
2024	30661	2454.161	805.272	1648.888	5.378	67.187	420.968	33.695	11.056	22.639
2025	30254	2275.364	714.034	1561.330	5.161	68.619	483.488	36.363	11.411	24.952
2026	30685	2183.166	648.789	1534.377	5.000	70.282	488.380	34.747	10.326	24.421
2027	30561	2112.345	592.007	1520.337	4.975	71.974	484.196	33.467	9.379	24.087
2028	30412	2046.677	537.067	1509.610	4.964	73.759	479.392	32.263	8.466	23.797
2029	30254	1977.671	485.655	1492.017	4.932	75.443	474.195	30.997	7.612	23.385
2030	29330	1744.457	420.443	1324.014	4.514	75.898	549.260	32.668	7.874	24.795
2031	28976	1653.738	372.832	1280.906	4.421	77.455	541.223	30.889	6.964	23.925
2032	28724	1603.120	333.310	1269.811	4.421	79.209	534.690	29.841	6.204	23.637
2033	28464	1548.245	299.516	1248.729	4.387	80.654	527.627	28.700	5.552	23.148
2034	28178	1511.985	274.322	1237.663	4.392	81.857	519.826	27.893	5.061	22.832
2035	26737	1239.866	222.922	1016.944	3.803	82.020	610.065	28.290	5.086	23.204
2036	25591	1182.522	196.270	986.252	3.854	83.402	583.762	26.975	4.477	22.498
2037	25143	1134.483	181.632	952.851	3.790	83.990	572.916	25.851	4.139	21.712
2038	24693	1093.537	164.480	929.056	3.762	84.959	561.491	24.866	3.740	21.126
2039	24247	1047.905	148.262	899.643	3.710	85.852	549.553	23.751	3.360	20.390

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	818427.480	197179.1	8.830	19.415	646.447	293.996	236.917	57.079

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19211.347	4.289	0.013	0.022	531.576	299.618	299.551	0.067
1992	33942	19056.189	19049.818	6.372	0.019	0.033	520.248	292.085	291.987	0.098
1993	35913	20095.670	20082.842	12.827	0.036	0.064	540.645	302.526	302.333	0.193
1994	35074	19524.095	19505.552	18.543	0.053	0.095	518.158	288.435	288.161	0.274
1995	34669	19116.002	19085.556	30.446	0.088	0.159	502.362	276.995	276.554	0.441
1996	34582	18975.021	18934.124	40.898	0.118	0.216	493.306	270.675	270.092	0.583
1997	35267	19169.025	19110.409	58.616	0.166	0.306	494.878	268.986	268.163	0.823
1998	35675	19228.937	19142.200	86.738	0.243	0.451	492.368	265.388	264.191	1.197
1999	38516	20589.820	20476.049	113.772	0.295	0.553	523.195	279.689	278.143	1.545
2000	36283	19196.417	19049.820	146.597	0.404	0.764	485.652	256.946	254.984	1.962
2001	36281	19012.731	18819.130	193.601	0.534	1.018	479.301	251.174	248.616	2.558
2002	35983	18699.357	18452.708	246.649	0.685	1.319	470.038	244.265	241.043	3.222
2003	36205	18663.550	18365.670	297.880	0.823	1.596	468.019	241.262	237.412	3.851
2004	34611	17679.164	17317.725	361.439	1.044	2.044	442.596	226.076	221.454	4.622
2005	36826	18692.832	18227.982	464.850	1.262	2.487	465.456	236.265	230.389	5.875
2006	34350	17308.564	16771.978	536.586	1.562	3.100	430.192	216.769	210.049	6.720
2007	35326	17683.181	17007.105	676.076	1.914	3.823	437.879	219.189	210.809	8.380
2008	38248	19006.374	18168.161	838.213	2.192	4.410	468.788	232.952	222.679	10.274
2009	36902	18205.573	17233.291	972.282	2.635	5.341	446.956	220.505	208.729	11.776
2010	37234	18237.758	17132.631	1105.127	2.968	6.060	445.505	218.215	204.992	13.223
2011	38093	18487.916	17115.684	1372.233	3.602	7.422	451.279	219.022	202.765	16.257
2012	38504	18491.158	16923.025	1568.134	4.073	8.480	451.211	216.689	198.313	18.376
2013	40290	19143.452	17299.517	1843.935	4.577	9.632	466.755	221.775	200.413	21.362
2014	40339	18992.005	16916.981	2075.024	5.144	10.926	461.866	217.451	193.693	23.758
2015	42303	19728.885	17398.932	2329.952	5.508	11.810	544.880	254.116	224.106	30.011
2016	43104	19876.724	17266.130	2610.594	6.057	13.134	550.009	253.628	220.317	33.311
2017	44107	20119.790	17192.592	2927.198	6.637	14.549	557.659	254.381	217.371	37.009
2018	45469	20535.123	17231.626	3303.497	7.265	16.087	569.564	257.229	215.849	41.381
2019	46963	21009.029	17313.167	3695.862	7.870	17.592	582.552	260.605	214.760	45.845
2020	48419	21428.512	17345.358	4083.154	8.433	19.055	685.853	303.533	245.696	57.838
2021	48463	21266.697	16781.815	4484.882	9.254	21.089	681.652	299.127	236.045	63.082
2022	49915	21663.568	16687.215	4976.353	9.970	22.971	696.712	302.378	232.918	69.459
2023	51391	22084.131	16555.055	5529.076	10.759	25.036	711.491	305.748	229.200	76.548
2024	52811	22418.456	16391.250	6027.205	11.413	26.885	725.093	307.804	225.051	82.753
2025	53848	22614.834	16140.915	6473.919	12.023	28.627	860.553	361.411	257.950	103.461
2026	54342	22571.522	15669.774	6901.748	12.701	30.577	864.886	359.241	249.395	109.846
2027	55267	22774.416	15297.123	7477.293	13.529	32.832	875.619	360.827	242.360	118.467
2028	56149	22915.561	14906.908	8008.652	14.263	34.949	885.102	361.228	234.984	126.244
2029	57014	22992.027	14482.952	8509.076	14.925	37.009	893.616	360.371	227.002	133.369
2030	57238	22895.360	13976.716	8918.644	15.582	38.954	1071.90	428.760	261.741	167.019
2031	57592	22715.871	13450.496	9265.375	16.088	40.788	1075.71	424.293	251.232	173.061
2032	58251	22759.207	12920.534	9838.673	16.890	43.229	1084.31	423.652	240.510	183.142
2033	58885	22786.258	12412.631	10373.63	17.617	45.526	1091.54	422.387	230.092	192.295
2034	59460	22806.106	11896.592	10909.51	18.348	47.836	1096.89	420.721	219.465	201.256
2035	58516	22262.998	11306.164	10956.83	18.725	49.215	1335.15	507.973	257.972	250.001
2036	56446	21140.051	10107.797	11032.25	19.545	52.187	1287.60	482.234	230.573	251.661
2037	56568	21011.845	9554.094	11457.75	20.255	54.530	1288.98	478.783	217.703	261.080
2038	56668	20787.483	8997.745	11789.74	20.805	56.716	1288.55	472.681	204.597	268.084
2039	56758	20709.267	8482.158	12227.11	21.543	59.042	1286.40	469.372	192.247	277.125

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	All	NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13197783	4509390.583	3653009.662	856380.9	6.489	18.991	3806.93	1305.37	1053.72	251.653

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	All	NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123893.979	105.463	0.034	0.085	4883.81	1933.45	1931.81	1.644
1992	308578	122014.015	121755.705	258.311	0.084	0.212	4729.73	1870.18	1866.21	3.962
1993	311714	122810.618	122326.083	484.535	0.155	0.395	4692.61	1848.83	1841.52	7.305
1994	305703	119925.592	119167.665	757.927	0.248	0.632	4516.17	1771.69	1760.47	11.220
1995	303229	117896.496	116778.678	1117.818	0.369	0.948	4393.75	1708.35	1692.11	16.239
1996	299566	115698.645	114165.376	1533.270	0.512	1.325	4273.08	1650.42	1628.48	21.939
1997	294237	113359.847	111395.434	1964.413	0.668	1.733	4128.56	1590.70	1563.04	27.666
1998	289273	111444.212	108997.807	2446.405	0.846	2.195	3992.03	1538.10	1504.19	33.904
1999	311026	114877.722	111435.741	3441.981	1.107	2.996	4224.38	1560.48	1513.53	46.950
2000	303819	112379.704	108289.417	4090.287	1.346	3.640	4065.93	1504.22	1449.21	55.007
2001	296338	110024.943	105178.389	4846.554	1.635	4.405	3913.95	1453.52	1389.16	64.355
2002	291957	108289.173	102546.867	5742.307	1.967	5.303	3812.61	1414.56	1339.14	75.418
2003	285941	106539.023	99971.265	6567.758	2.297	6.165	3694.92	1377.22	1291.83	85.397
2004	274270	103037.251	95743.995	7293.256	2.659	7.078	3505.63	1317.61	1223.77	93.844
2005	272495	103044.562	94808.965	8235.598	3.022	7.992	3442.18	1302.41	1197.63	104.779
2006	264258	99672.555	90389.498	9283.057	3.513	9.314	3307.25	1248.28	1131.25	117.033
2007	258587	97839.152	87684.843	10154.31	3.927	10.379	3202.70	1212.75	1086.01	126.744
2008	259665	98075.852	86923.235	11152.62	4.295	11.371	3179.59	1202.07	1064.38	137.695
2009	254146	95617.338	83593.408	12023.93	4.731	12.575	3074.87	1158.11	1011.38	146.732
2010	252157	94607.988	81668.911	12939.08	5.131	13.677	3013.33	1131.98	975.960	156.024
2011	252104	93633.119	79431.460	14201.66	5.633	15.167	2982.45	1109.25	939.692	169.557
2012	253023	92775.175	77454.963	15320.21	6.055	16.513	2960.41	1087.19	906.237	180.952
2013	256618	92345.780	75836.806	16508.97	6.433	17.877	2967.69	1069.82	877.026	192.790
2014	257902	91379.215	73795.632	17583.58	6.818	19.242	2947.15	1046.26	843.293	202.963
2015	260368	90750.242	72264.325	18485.92	7.100	20.370	3345.64	1168.90	928.572	240.330
2016	262117	88811.996	69149.907	19662.09	7.501	22.139	3335.85	1133.24	880.039	253.206
2017	264433	87325.126	66613.565	20711.56	7.832	23.718	3333.71	1104.08	839.796	264.283
2018	259527	87612.144	65888.223	21723.92	8.371	24.796	3240.74	1097.46	822.752	274.704
2019	262348	87797.760	64830.564	22967.20	8.754	26.159	3243.23	1089.08	801.456	287.626
2020	263302	87221.042	63579.586	23641.46	8.979	27.105	3714.40	1235.48	896.914	338.565
2021	256164	82001.292	57718.488	24282.80	9.479	29.613	3587.17	1153.39	808.254	345.135
2022	258293	81915.977	56328.247	25587.73	9.906	31.237	3588.13	1143.37	782.493	360.882
2023	260396	81810.810	54886.250	26924.56	10.340	32.911	3586.77	1132.64	756.018	376.627
2024	262165	81528.303	53423.621	28104.68	10.720	34.472	3579.91	1119.38	729.510	389.868
2025	258879	79599.213	51509.446	28089.77	10.851	35.289	4110.74	1272.09	817.918	454.169
2026	253188	75082.462	46631.621	28450.84	11.237	37.893	4002.15	1194.99	737.107	457.882
2027	252782	74444.425	44869.816	29574.61	11.700	39.727	3975.86	1179.46	705.730	473.731
2028	252219	73699.585	43087.433	30612.15	12.137	41.536	3945.16	1161.76	673.964	487.796
2029	251606	72819.703	41298.425	31521.28	12.528	43.287	3911.33	1141.36	642.003	499.354
2030	242715	69309.277	39029.725	30279.55	12.475	43.688	4502.96	1297.95	724.098	573.851
2031	237726	65433.368	35067.386	30365.98	12.774	46.407	4396.50	1222.18	648.534	573.647
2032	236444	64643.552	33307.801	31335.75	13.253	48.475	4355.44	1203.31	613.549	589.760
2033	235135	63793.514	31609.225	32184.29	13.688	50.451	4310.80	1182.54	579.502	603.035
2034	233692	63032.151	29994.613	33037.54	14.137	52.414	4261.23	1162.80	546.934	615.866
2035	218570	57653.301	27695.809	29957.49	13.706	51.961	4923.81	1315.47	623.914	691.556
2036	210991	52988.733	23418.991	29569.74	14.015	55.804	4748.70	1208.75	527.084	681.662
2037	208421	52026.921	21993.886	30033.03	14.410	57.726	4682.61	1185.50	494.138	691.365
2038	205887	50943.211	20559.342	30383.87	14.758	59.643	4612.91	1158.38	460.632	697.751
2039	203428	50085.991	19246.180	30839.81	15.160	61.574	4539.92	1135.19	429.518	705.673

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3075801	2244988.113	1988679.945	256308.2	8.333	11.417	887.221	649.875	573.639	76.237

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62908.710	9.693	0.012	0.015	1223.41	981.049	980.898	0.151
1992	77987	62366.766	62347.653	19.113	0.025	0.031	1195.35	955.930	955.635	0.295
1993	78542	62652.888	62615.087	37.801	0.048	0.060	1182.39	943.195	942.620	0.574
1994	77438	61565.227	61505.796	59.431	0.077	0.097	1143.99	909.520	908.630	0.890
1995	76905	60851.961	60758.592	93.369	0.121	0.153	1114.35	881.759	880.384	1.375
1996	76234	60122.922	59984.368	138.553	0.182	0.230	1087.42	857.643	855.631	2.012
1997	75476	59237.155	59048.208	188.947	0.250	0.319	1059.03	831.234	828.530	2.705
1998	75385	58906.696	58644.793	261.903	0.347	0.445	1040.33	813.001	809.310	3.690
1999	73165	56930.073	56597.346	332.727	0.455	0.584	993.733	773.329	768.711	4.619
2000	73793	57137.121	56700.167	436.953	0.592	0.765	987.546	764.787	758.804	5.984
2001	73306	56481.726	55920.657	561.069	0.765	0.993	968.198	746.169	738.583	7.587
2002	72457	55588.365	54888.346	700.019	0.966	1.259	946.207	726.138	716.776	9.362
2003	71962	54945.856	54093.908	851.948	1.184	1.551	929.891	710.281	699.000	11.281
2004	71326	54203.126	53163.781	1039.345	1.457	1.917	911.668	693.135	679.522	13.613
2005	70995	53744.603	52514.166	1230.437	1.733	2.289	896.818	679.296	663.363	15.932
2006	69696	52535.572	51071.811	1463.760	2.100	2.786	872.261	657.945	639.176	18.769
2007	68610	51492.124	49794.824	1697.300	2.474	3.296	849.764	638.264	616.727	21.537
2008	68281	51030.736	49046.935	1983.801	2.905	3.887	836.099	625.460	600.580	24.880
2009	67574	50276.199	47984.989	2291.209	3.391	4.557	817.564	608.943	580.562	28.381
2010	67272	49840.933	47248.428	2592.505	3.854	5.202	803.914	596.347	564.628	31.718
2011	66594	49072.841	46075.234	2997.607	4.501	6.108	787.818	581.354	545.080	36.274
2012	66256	48539.512	45146.040	3393.472	5.122	6.991	775.207	568.812	528.217	40.595
2013	65448	47675.741	43883.106	3792.635	5.795	7.955	756.885	552.318	507.493	44.826
2014	65164	47194.534	43010.849	4183.684	6.420	8.865	744.653	540.359	491.503	48.856
2015	64292	46305.842	41765.361	4540.481	7.062	9.805	726.133	526.439	476.670	59.768
2016	61777	44208.867	39389.754	4819.112	7.801	10.901	786.208	564.107	501.295	62.812
2017	60069	42702.624	37576.004	5126.620	8.535	12.005	757.290	539.903	473.720	66.183
2018	62668	44321.202	38330.077	5991.125	9.560	13.518	782.547	555.181	478.631	76.550
2019	63270	44493.088	37882.124	6610.964	10.449	14.858	782.159	551.912	468.311	83.601
2020	63717	44529.551	37329.058	7200.494	11.301	16.170	898.849	630.757	526.599	104.158
2021	57361	39852.556	32775.241	7077.315	12.338	17.759	803.247	560.546	458.964	101.582
2022	57713	39853.685	32105.207	7748.478	13.426	19.442	801.736	556.274	445.995	110.279
2023	58038	39847.050	31378.584	8468.466	14.591	21.252	799.435	551.670	432.217	119.453
2024	58271	39726.010	30597.979	9128.031	15.665	22.977	795.704	545.435	417.822	127.614
2025	57879	39207.348	29611.074	9596.274	16.580	24.476	919.065	626.579	470.194	156.385
2026	51773	34803.960	25641.660	9162.300	17.697	26.325	818.370	553.929	405.318	148.611
2027	51543	34484.595	24682.149	9802.445	19.018	28.426	810.695	546.357	388.210	158.146
2028	51270	34100.638	23707.386	10393.25	20.272	30.478	801.949	537.544	370.826	166.718
2029	50969	33669.838	22721.627	10948.21	21.480	32.516	792.329	527.732	353.218	174.514
2030	49562	32557.688	21490.716	11066.97	22.330	33.992	919.490	609.705	398.706	210.999
2031	44011	28646.393	18294.361	10352.03	23.522	36.137	813.930	535.065	338.335	196.730
2032	43613	28227.160	17365.161	10862.00	24.905	38.481	803.384	525.435	319.876	205.559
2033	43202	27786.623	16450.973	11335.65	26.239	40.795	792.036	515.079	301.601	213.478
2034	42759	27348.299	15564.358	11783.94	27.559	43.088	779.682	504.514	283.807	220.707
2035	40258	25570.077	14348.546	11221.53	27.874	43.885	906.900	583.430	323.235	260.195
2036	34489	21171.319	11410.994	10306.33	29.883	47.457	776.231	495.402	256.824	238.578
2037	33931	21256.024	10679.886	10576.14	31.170	49.756	762.328	484.347	239.945	244.401
2038	33378	20747.175	9952.286	10794.89	32.341	52.031	747.844	471.764	222.981	248.783
2039	32838	20327.688	9289.848	11037.84	33.613	54.300	732.855	460.724	207.322	253.402

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop		NULL	Ecig	Drop			
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6382212	1098877.421	743068.337	355809.1	5.575	32.379	1840.96	318.101	214.340	103.762

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop		NULL	Ecig	Drop			
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000	
1991	168044	37309.838	37227.384	82.453	0.049	0.221	2620.21	581.750	580.465	1.286
1992	164548	36137.488	35925.685	211.803	0.129	0.586	2522.12	553.899	550.652	3.247
1993	164363	35599.588	35206.994	392.594	0.239	1.103	2474.35	535.926	530.013	5.913
1994	159867	34336.757	33724.396	612.361	0.383	1.783	2361.73	507.267	498.213	9.053
1995	158085	33455.759	32565.697	890.062	0.563	2.660	2290.64	484.782	471.873	12.909
1996	154879	32193.824	30987.501	1206.324	0.779	3.747	2209.23	459.239	442.013	17.226
1997	149976	30665.509	29142.236	1523.273	1.016	4.967	2104.37	430.308	408.907	21.401
1998	145415	29188.430	27332.712	1855.719	1.276	6.358	2006.76	402.844	377.197	25.647
1999	165966	33375.386	30670.109	2705.277	1.630	8.106	2254.16	453.366	416.564	36.802
2000	160279	32024.754	28876.184	3148.571	1.964	9.832	2144.97	428.655	386.442	42.213
2001	154469	30682.393	27006.297	3676.096	2.380	11.981	2040.17	405.339	356.691	48.648
2002	151920	30218.370	25908.286	4310.084	2.837	14.263	1983.89	394.736	338.331	56.405
2003	146775	29175.202	24328.313	4846.888	3.302	16.613	1896.62	377.146	314.370	62.776
2004	138431	27488.687	22239.208	5249.479	3.792	19.097	1769.38	351.518	284.254	67.264
2005	135943	27017.439	21197.312	5820.127	4.281	21.542	1717.24	341.482	267.766	73.716
2006	131997	26231.435	19783.221	6448.215	4.885	24.582	1651.97	328.517	247.592	80.926
2007	126590	25103.049	18244.501	6858.548	5.418	27.322	1567.86	311.161	225.965	85.197
2008	125964	24621.740	17272.192	7349.548	5.835	29.850	1542.43	301.777	211.498	90.279
2009	122550	23741.177	16048.163	7693.015	6.277	32.404	1482.71	287.552	194.164	93.388
2010	120678	23189.160	15078.754	8110.405	6.721	34.975	1442.13	277.458	180.194	97.264
2011	120384	22786.927	14151.723	8635.204	7.173	37.895	1424.18	269.951	167.418	102.533
2012	121118	22485.295	13407.939	9077.356	7.495	40.370	1417.10	263.495	156.875	106.619
2013	122869	22251.884	12745.207	9506.677	7.737	42.723	1420.94	257.786	147.394	110.392
2014	123482	21894.593	12030.425	9864.169	7.988	45.053	1411.08	250.685	137.477	113.208
2015	124063	21471.109	11351.093	10120.02	8.157	47.133	1594.17	276.557	145.858	130.699
2016	126549	21411.568	10797.710	10613.86	8.387	49.571	1610.54	273.213	137.417	135.795
2017	128640	21169.399	10220.348	10949.05	8.511	51.721	1621.76	267.651	128.848	138.804
2018	121819	19830.576	8949.272	10881.30	8.932	54.871	1521.17	248.404	111.750	136.653
2019	122265	19431.014	8347.901	11083.11	9.065	57.038	1511.48	241.031	103.199	137.831
2020	121287	18532.612	7712.912	10819.70	8.921	58.382	1711.00	262.513	108.806	153.707
2021	119923	18234.128	7056.321	11177.81	9.321	61.302	1679.33	256.472	98.812	157.660
2022	120001	17812.559	6507.394	11305.16	9.421	63.467	1667.02	248.626	90.399	158.227
2023	120059	17361.668	5993.206	11368.46	9.469	65.480	1653.72	240.367	82.552	157.815
2024	119972	16929.676	5537.008	11392.67	9.496	67.294	1638.24	232.443	75.609	156.834
2025	116399	15501.666	4944.366	10557.30	9.070	68.104	1848.30	247.735	78.512	169.223
2026	115840	15523.814	4566.775	10957.04	9.459	70.582	1831.08	247.072	72.187	174.885
2027	114809	15073.070	4187.675	10885.40	9.481	72.218	1805.76	238.810	65.865	172.945
2028	113730	14636.710	3818.939	10817.77	9.512	73.908	1778.93	230.725	59.735	170.990
2029	112649	14180.166	3485.114	10695.05	9.494	75.423	1751.19	222.256	54.178	168.078
2030	105809	12111.772	3013.348	9098.424	8.599	75.121	1963.01	226.816	55.905	170.911
2031	106317	12417.367	2818.210	9599.156	9.029	77.304	1966.23	231.935	52.120	179.815
2032	104961	12054.064	2553.373	9500.691	9.052	78.817	1933.44	224.381	47.035	177.346
2033	103622	11672.389	2306.718	9365.671	9.038	80.238	1899.73	216.370	42.290	174.081
2034	102261	11365.762	2116.188	9249.574	9.045	81.381	1864.68	209.673	38.587	171.085
2035	91979	8580.360	1672.872	6907.488	7.510	80.503	2072.04	195.777	37.685	158.092
2036	93359	8948.841	1565.623	7383.218	7.908	82.505	2101.21	204.135	35.237	168.898
2037	91612	8624.570	1439.406	7185.163	7.843	83.310	2058.26	196.522	32.339	164.183
2038	89918	8315.017	1306.318	7008.699	7.795	84.290	2014.62	189.073	29.268	159.805
2039	88292	8001.132	1188.081	6813.051	7.716	85.151	1970.43	181.344	26.514	154.830

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1495460	149918.462	100194.611	49723.85	3.325	33.167	431.369	43.398	28.901	14.497

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4546.538	9.028	0.028	0.198	508.609	71.032	70.891	0.141
1992	32100	4453.572	4432.520	21.052	0.066	0.473	492.014	68.262	67.940	0.323
1993	32896	4462.473	4421.091	41.382	0.126	0.927	495.225	67.179	66.556	0.623
1994	33323	4499.513	4431.787	67.726	0.203	1.505	492.288	66.473	65.471	1.001
1995	33569	4472.774	4368.624	104.150	0.310	2.329	486.417	64.812	63.301	1.511
1996	33871	4406.878	4259.042	147.836	0.436	3.355	483.141	62.863	60.752	2.111
1997	33517	4288.158	4094.095	194.063	0.579	4.526	470.293	60.173	57.446	2.727
1998	32797	4120.148	3877.420	242.728	0.740	5.891	452.600	56.864	53.509	3.355
1999	33377	3982.443	3691.146	291.297	0.873	7.315	453.333	54.097	50.133	3.963
2000	33462	4021.411	3661.785	359.626	1.075	8.943	447.817	53.827	49.005	4.822
2001	32279	3848.092	3430.296	417.796	1.294	10.857	426.335	50.836	45.306	5.530
2002	31592	3783.081	3294.859	488.223	1.545	12.905	412.549	49.418	43.027	6.391
2003	30992	3754.415	3179.790	574.625	1.854	15.305	400.481	48.533	41.089	7.444
2004	29893	3666.274	3018.958	647.316	2.165	17.656	382.084	46.883	38.587	8.296
2005	28719	3589.688	2863.699	725.989	2.528	20.224	362.784	45.371	36.174	9.197
2006	28202	3596.985	2755.745	841.239	2.983	23.387	352.954	45.048	34.489	10.559
2007	28043	3560.798	2629.811	930.986	3.320	26.145	347.322	44.137	32.571	11.566
2008	27148	3417.001	2424.752	992.250	3.655	29.039	332.426	41.881	29.691	12.190
2009	27092	3394.390	2313.880	1080.510	3.988	31.832	327.778	41.113	27.995	13.117
2010	26939	3340.137	2193.750	1146.387	4.255	34.322	321.926	39.965	26.216	13.749
2011	26992	3285.435	2070.443	1214.992	4.501	36.981	319.318	38.922	24.494	14.428
2012	27095	3259.209	1956.516	1302.694	4.808	39.970	317.021	38.193	22.892	15.302
2013	27950	3274.703	1883.304	1391.399	4.978	42.489	323.229	37.937	21.780	16.157
2014	28846	3298.083	1807.981	1490.102	5.166	45.181	329.634	37.762	20.661	17.101
2015	29623	3244.406	1714.171	1530.235	5.166	47.165	380.648	41.789	22.027	19.763
2016	30587	3314.836	1657.077	1657.760	5.420	50.010	389.265	42.297	21.089	21.209
2017	31501	3333.314	1580.409	1752.905	5.565	52.587	397.136	42.144	19.924	22.220
2018	29437	2925.242	1327.945	1597.297	5.426	54.604	367.582	36.642	16.582	20.060
2019	29698	2864.628	1232.083	1632.545	5.497	56.990	367.130	35.534	15.231	20.303
2020	29703	2730.366	1130.550	1599.817	5.386	58.593	419.019	38.675	15.949	22.727
2021	30221	2647.911	1038.392	1609.518	5.326	60.784	423.190	37.244	14.541	22.703
2022	30440	2586.165	955.310	1630.854	5.358	63.061	422.864	36.097	13.271	22.827
2023	30656	2517.960	879.573	1638.387	5.344	65.068	422.261	34.860	12.115	22.745
2024	30826	2454.161	810.452	1643.709	5.332	66.976	420.936	33.695	11.067	22.629
2025	30434	2275.364	719.064	1556.300	5.114	68.398	483.255	36.363	11.418	24.945
2026	30883	2183.166	653.668	1529.498	4.953	70.059	488.163	34.747	10.333	24.414
2027	30774	2112.345	596.789	1515.555	4.925	71.748	484.033	33.467	9.387	24.080
2028	30642	2046.677	541.704	1504.972	4.912	73.532	479.292	32.263	8.473	23.789
2029	30502	1977.671	490.115	1487.556	4.877	75.218	474.166	30.997	7.619	23.378
2030	29592	1744.457	424.650	1319.807	4.460	75.657	548.996	32.668	7.878	24.790
2031	29253	1653.738	376.779	1276.959	4.365	77.217	541.005	30.889	6.968	23.921
2032	29019	1603.120	337.033	1266.088	4.363	78.976	534.541	29.841	6.208	23.633
2033	28776	1548.245	303.048	1245.197	4.327	80.426	527.556	28.700	5.556	23.144
2034	28509	1511.985	277.741	1234.244	4.329	81.631	519.843	27.893	5.064	22.828
2035	27075	1239.866	225.927	1013.939	3.745	81.778	609.929	28.290	5.090	23.200
2036	25935	1182.522	199.052	983.470	3.792	83.167	583.713	26.975	4.480	22.495
2037	25501	1134.483	184.346	950.137	3.726	83.751	572.939	25.851	4.142	21.709
2038	25066	1093.537	167.056	926.481	3.696	84.723	561.594	24.866	3.743	21.123
2039	24633	1047.905	150.680	897.225	3.642	85.621	549.739	23.751	3.363	20.388

Results for PHIM for Run 9 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 9, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	2244310	1015606.587	821066.769	194539.8	8.668	19.155	647.376	293.996	236.838	57.158

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	0.000	
1991	34092	19215.636	19211.347	4.289	0.013	0.022	531.576	299.618	299.551	0.067
1992	33942	19056.189	19049.847	6.342	0.019	0.033	520.248	292.085	291.987	0.098
1993	35913	20095.670	20082.911	12.758	0.036	0.063	540.643	302.526	302.332	0.194
1994	35074	19524.095	19505.686	18.408	0.052	0.094	518.155	288.435	288.159	0.276
1995	34669	19116.002	19085.765	30.237	0.087	0.158	502.355	276.995	276.550	0.445
1996	34583	18975.021	18934.465	40.557	0.117	0.214	493.294	270.675	270.086	0.590
1997	35268	19169.025	19110.895	58.129	0.165	0.303	494.858	268.986	268.153	0.833
1998	35676	19228.937	19142.882	86.055	0.241	0.448	492.340	265.388	264.176	1.212
1999	38518	20589.820	20477.141	112.679	0.293	0.547	523.155	279.689	278.122	1.566
2000	36286	19196.417	19051.281	145.137	0.400	0.756	485.602	256.946	254.958	1.988
2001	36285	19012.731	18821.139	191.593	0.528	1.008	479.238	251.174	248.584	2.590
2002	35988	18699.357	18455.376	243.981	0.678	1.305	469.962	244.265	241.005	3.260
2003	36212	18663.550	18369.253	294.296	0.813	1.577	467.930	241.262	237.367	3.895
2004	34620	17679.164	17322.048	357.116	1.032	2.020	442.496	226.076	221.405	4.672
2005	36838	18692.832	18233.787	459.045	1.246	2.456	465.336	236.265	230.331	5.934
2006	34364	17308.564	16778.720	529.843	1.542	3.061	430.071	216.769	209.990	6.779
2007	35344	17683.181	17015.707	667.474	1.889	3.775	437.747	219.189	210.746	8.444
2008	38272	19006.374	18179.356	827.018	2.161	4.351	468.638	232.952	222.606	10.346
2009	36930	18205.573	17246.376	959.197	2.597	5.269	446.814	220.505	208.661	11.844
2010	37268	18237.758	17147.979	1089.779	2.924	5.975	445.358	218.215	204.922	13.293
2011	38135	18487.916	17134.061	1353.856	3.550	7.323	451.140	219.022	202.700	16.322
2012	38554	18491.158	16944.468	1546.690	4.012	8.364	451.084	216.689	198.253	18.436
2013	40351	19143.452	17325.190	1818.263	4.506	9.498	466.642	221.775	200.360	21.415
2014	40410	18992.005	16946.377	2045.628	5.062	10.771	461.785	217.451	193.653	23.798
2015	42389	19728.885	17433.700	2295.185	5.415	11.634	544.687	254.116	224.017	30.099
2016	43204	19876.724	17305.366	2571.358	5.952	12.937	549.836	253.628	220.237	33.390
2017	44223	20119.790	17236.804	2882.986	6.519	14.329	557.516	254.381	217.304	37.077
2018	45602	20535.123	17280.929	3254.195	7.136	15.847	569.440	257.229	215.789	41.441
2019	47117	21009.029	17368.456	3640.573	7.727	17.329	582.470	260.605	214.714	45.891
2020	48595	21428.512	17407.066	4021.445	8.275	18.767	685.532	303.533	245.561	57.972
2021	48660	21266.697	16848.533	4418.164	9.080	20.775	681.400	299.127	235.936	63.190
2022	50139	21663.568	16760.335	4903.233	9.779	22.634	696.508	302.378	232.829	69.549
2023	51643	22084.131	16634.886	5449.244	10.552	24.675	711.349	305.748	229.133	76.615
2024	53096	22418.456	16478.182	5940.273	11.188	26.497	725.036	307.804	225.013	82.791
2025	54167	22614.834	16234.942	6379.892	11.778	28.211	860.120	361.411	257.795	103.617
2026	54693	22571.522	15769.519	6802.003	12.437	30.135	864.535	359.241	249.269	109.972
2027	55656	22774.416	15403.203	7371.213	13.244	32.366	875.372	360.827	242.268	118.559
2028	56578	22915.561	15019.403	7896.158	13.956	34.458	884.984	361.228	234.930	126.298
2029	57486	22992.027	14601.569	8390.458	14.596	36.493	893.646	360.371	226.988	133.383
2030	57753	22895.360	14101.011	8794.349	15.228	38.411	1071.46	428.760	261.609	167.151
2031	58145	22715.871	13578.035	9137.836	15.716	40.227	1075.33	424.293	251.111	173.181
2032	58851	22759.207	13052.234	9706.973	16.494	42.651	1084.07	423.652	240.430	183.222
2033	59535	22786.258	12548.485	10237.77	17.196	44.930	1091.48	422.387	230.055	192.332
2034	60163	22806.106	12036.326	10769.78	17.901	47.223	1097.03	420.721	219.475	201.246
2035	59259	22262.998	11448.464	10814.53	18.250	48.576	1334.94	507.973	257.904	250.069
2036	57207	21140.051	10243.323	10896.73	19.048	51.545	1287.55	482.234	230.543	251.690
2037	57377	21011.845	9690.248	11321.60	19.732	53.882	1289.08	478.783	217.711	261.072
2038	57525	20787.483	9133.683	11653.80	20.259	56.062	1288.85	472.681	204.640	268.040
2039	57664	20709.267	8617.571	12091.70	20.969	58.388	1286.90	469.372	192.319	277.053

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Control File Details for Run: 10

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S2E
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_2
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 10, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

TTP values for Run: 10, Scenario: Ecig

Variable Parameter

Value

- 1. Country
 - 2. Sex
 - 3. Assumption Set
- Note:

US (United States)
 F (Females)
 S2E
 Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

25-29	253+	0.004801	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.004602	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.003640	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.003495	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.003001	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.002234	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 10, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages

Period	Age Group	Smoking Group	N	%
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50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19

Period	Age Group	Smoking Group	N	%
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50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24

Period	Age Group	Smoking Group	N	%
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50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29

Period	Age Group	Smoking Group	N	%
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50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34

Period	Age Group	Smoking Group	N	%
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50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39

Period	Age Group	Smoking Group	N	%
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50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44

Period	Age Group	Smoking Group	N	%
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50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49

Period	Age Group	Smoking Group	N	%
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50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54

Period	Age Group	Smoking Group	N	%
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50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59

Period	Age Group	Smoking Group	N	%
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50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64

Period	Age Group	Smoking Group	N	%
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Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Main Output for the Tobacco History for Run: 10, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		F (Females)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	17875	19.51	0	0.00			
5	All Ages	Ecig	4461	4.87					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18416	20.10			14.18	1130	6.14
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	298	9.38	0	0.00			
5	18-19	Ecig	372	11.71					
5	18-19	Dual	0	0.00					
5	18-19	Former	72	2.27			0.93	51	70.83
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	1420	17.01	0	0.00			
5	20-24	Ecig	679	8.13					
5	20-24	Dual	0	0.00					
5	20-24	Former	457	5.47			3.19	106	23.19
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	1854	21.08	0	0.00			
5	25-29	Ecig	603	6.86					
5	25-29	Dual	0	0.00					
5	25-29	Former	1023	11.63			5.93	56	5.47
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

5	30-34	Never Any	5304	52.63					
5	30-34	CC	2344	23.26	0	0.00			
5	30-34	Ecig	826	8.20					
5	30-34	Dual	0	0.00					
5	30-34	Former	1604	15.92			8.17	55	3.43
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	2445	23.29	0	0.00			
5	35-39	Ecig	741	7.06					
5	35-39	Dual	0	0.00					
5	35-39	Former	2035	19.38			8.84	56	2.75
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	2004	20.88	0	0.00			
5	40-44	Ecig	471	4.91					
5	40-44	Dual	0	0.00					
5	40-44	Former	2107	21.95			12.03	76	3.61
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	1733	20.40	0	0.00			
5	45-49	Ecig	407	4.79					
5	45-49	Dual	0	0.00					
5	45-49	Former	2001	23.55			10.95	125	6.25
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	1314	20.10	0	0.00			
5	50-54	Ecig	248	3.79					
5	50-54	Dual	0	0.00					
5	50-54	Former	1858	28.43			14.90	148	7.97
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	1246	22.52	0	0.00			
5	55-59	Ecig	114	2.06					
5	55-59	Dual	0	0.00					
5	55-59	Former	1490	26.92			15.95	91	6.11
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	1062	20.17	0	0.00			
5	60-64	Ecig	0	0.00					
5	60-64	Dual	0	0.00					
5	60-64	Former	1470	27.93			19.04	102	6.94
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	949	17.18	0	0.00			
5	65-69	Ecig	0	0.00					
5	65-69	Dual	0	0.00					
5	65-69	Former	1497	27.10			19.05	112	7.48
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	751	14.16	0	0.00			
5	70-74	Ecig	0	0.00					
5	70-74	Dual	0	0.00					
5	70-74	Former	1510	28.47			22.10	89	5.89
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	455	10.14	0	0.00			
5	75-79	Ecig	0	0.00					
5	75-79	Dual	0	0.00					
5	75-79	Former	1292	28.81			26.18	63	4.88
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	12688	13.81	0	0.00			
10	All Ages	Ecig	7515	8.18					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21282	23.16			15.11	1659	7.80
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	730	9.21	0	0.00			
10	20-24	Ecig	1396	17.60					
10	20-24	Dual	0	0.00					
10	20-24	Former	676	8.52			3.47	186	27.51
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	1006	12.05	0	0.00			
10	25-29	Ecig	1085	12.99					
10	25-29	Dual	0	0.00					
10	25-29	Former	766	9.17			5.65	121	15.80
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	1276	14.51	0	0.00			
10	30-34	Ecig	1039	11.82					
10	30-34	Dual	0	0.00					
10	30-34	Former	1264	14.38			9.21	99	7.83
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	1674	16.61	0	0.00			
10	35-39	Ecig	1266	12.56					
10	35-39	Dual	0	0.00					
10	35-39	Former	1854	18.40			11.63	114	6.15
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	1815	17.29	0	0.00			
10	40-44	Ecig	1123	10.70					
10	40-44	Dual	0	0.00					
10	40-44	Former	2283	21.74			12.51	121	5.30
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	1410	14.69	0	0.00			
10	45-49	Ecig	700	7.29					
10	45-49	Dual	0	0.00					
10	45-49	Former	2472	25.75			14.77	172	6.96
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	1125	13.24	0	0.00			
10	50-54	Ecig	552	6.50					
10	50-54	Dual	0	0.00					
10	50-54	Former	2464	29.00			13.31	192	7.79
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	926	14.17	0	0.00			
10	55-59	Ecig	269	4.12					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2225	34.04			16.93	146	6.56
10	60-64	Never Any		2684	48.50					
10	60-64	CC		911	16.46	0	0.00			
10	60-64	Ecig		85	1.54					
10	60-64	Dual		0	0.00					
10	60-64	Former		1854	33.50			17.21	148	7.98
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		735	13.96	0	0.00			
10	65-69	Ecig		0	0.00					
10	65-69	Dual		0	0.00					
10	65-69	Former		1797	34.14			20.03	112	6.23
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		626	11.33	0	0.00			
10	70-74	Ecig		0	0.00					
10	70-74	Dual		0	0.00					
10	70-74	Former		1820	32.95			20.11	143	7.86
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		454	8.56	0	0.00			
10	75-79	Ecig		0	0.00					
10	75-79	Dual		0	0.00					
10	75-79	Former		1807	34.08			23.00	105	5.81
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		8985	10.37	0	0.00			
15	All Ages	Ecig		8528	9.85					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		22090	25.51			17.34	965	4.37
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		524	6.61	0	0.00			
15	25-29	Ecig		1579	19.91					
15	25-29	Dual		0	0.00					
15	25-29	Former		967	12.19			6.62	99	10.24
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		689	8.25	0	0.00			
15	30-34	Ecig		1301	15.58					
15	30-34	Dual		0	0.00					
15	30-34	Former		953	11.41			8.95	75	7.87
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		899	10.22	0	0.00			

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15	35-39	Ecig	1279	14.55					
15	35-39	Dual	0	0.00					
15	35-39	Former	1426	16.22			12.82	67	4.70
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	1243	12.33	0	0.00			
15	40-44	Ecig	1442	14.31					
15	40-44	Dual	0	0.00					
15	40-44	Former	2109	20.93			14.87	107	5.07
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	1314	12.52	0	0.00			
15	45-49	Ecig	1319	12.56					
15	45-49	Dual	0	0.00					
15	45-49	Former	2588	24.65			15.68	131	5.06
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	1043	10.86	0	0.00			
15	50-54	Ecig	781	8.14					
15	50-54	Dual	0	0.00					
15	50-54	Former	2758	28.73			17.96	99	3.59
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	899	10.58	0	0.00			
15	55-59	Ecig	545	6.41					
15	55-59	Dual	0	0.00					
15	55-59	Former	2697	31.74			16.94	74	2.74
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	753	11.52	0	0.00			
15	60-64	Ecig	222	3.40					
15	60-64	Dual	0	0.00					
15	60-64	Former	2445	37.41			20.13	102	4.17
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	686	12.40	0	0.00			
15	65-69	Ecig	60	1.08					
15	65-69	Dual	0	0.00					
15	65-69	Former	2104	38.02			19.87	67	3.18
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	509	9.67	0	0.00			
15	70-74	Ecig	0	0.00					
15	70-74	Dual	0	0.00					
15	70-74	Former	2023	38.43			22.48	79	3.91
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	426	7.71	0	0.00			
15	75-79	Ecig	0	0.00					
15	75-79	Dual	0	0.00					
15	75-79	Former	2020	36.57			22.85	65	3.22
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	6171	7.61	0	0.00			
20	All Ages	Ecig	8408	10.37					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22743	28.05			19.45	1114	4.90
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	333	4.20	0	0.00			
20	30-34	Ecig	1604	20.23					
20	30-34	Dual	0	0.00					
20	30-34	Former	1250	15.76			9.38	132	10.56
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	464	5.56	0	0.00			
20	35-39	Ecig	1305	15.63					
20	35-39	Dual	0	0.00					
20	35-39	Former	1222	14.63			11.31	101	8.27
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	604	6.87	0	0.00			
20	40-44	Ecig	1327	15.09					
20	40-44	Dual	0	0.00					
20	40-44	Former	1673	19.03			15.44	120	7.17
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	896	8.89	0	0.00			
20	45-49	Ecig	1502	14.90					
20	45-49	Dual	0	0.00					
20	45-49	Former	2396	23.77			17.72	119	4.97
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	965	9.19	0	0.00			
20	50-54	Ecig	1313	12.51					
20	50-54	Dual	0	0.00					
20	50-54	Former	2943	28.03			18.41	160	5.44
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	814	8.48	0	0.00			
20	55-59	Ecig	727	7.57					
20	55-59	Dual	0	0.00					
20	55-59	Former	3041	31.68			21.01	104	3.42
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	700	8.24	0	0.00			
20	60-64	Ecig	436	5.13					
20	60-64	Dual	0	0.00					
20	60-64	Former	3005	35.37			19.87	151	5.02
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	535	8.19	0	0.00			
20	65-69	Ecig	147	2.25					
20	65-69	Dual	0	0.00					
20	65-69	Former	2738	41.89			22.67	100	3.65
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	500	9.04	0	0.00			
20	70-74	Ecig	47	0.85					
20	70-74	Dual	0	0.00					
20	70-74	Former	2303	41.62			22.89	74	3.21
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	360	6.84	0	0.00			
20	75-79	Ecig	0	0.00					
20	75-79	Dual	0	0.00					
20	75-79	Former	2172	41.26			25.75	53	2.44
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	4326	5.71	0	0.00			
25	All Ages	Ecig	7438	9.81					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	23043	30.39			21.46	914	3.97
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	193	2.43	0	0.00			
25	35-39	Ecig	1367	17.24					
25	35-39	Dual	0	0.00					
25	35-39	Former	1644	20.73			11.45	135	8.21
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	340	4.07	0	0.00			
25	40-44	Ecig	1199	14.36					
25	40-44	Dual	0	0.00					

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Year of Follow-up: 2015, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Former		1452	17.39			14.02	99	6.82
25	45-49	Never Any		5189	59.01					
25	45-49	CC		432	4.91	0	0.00			
25	45-49	Ecig		1257	14.30					
25	45-49	Dual		0	0.00					
25	45-49	Former		1915	21.78			18.11	92	4.80
Year of Follow-up: 2015, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any		5284	52.43					
25	50-54	CC		642	6.37	0	0.00			
25	50-54	Ecig		1407	13.96					
25	50-54	Dual		0	0.00					
25	50-54	Former		2745	27.24			20.07	164	5.97
Year of Follow-up: 2015, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any		5278	50.27					
25	55-59	CC		713	6.79	0	0.00			
25	55-59	Ecig		1151	10.96					
25	55-59	Dual		0	0.00					
25	55-59	Former		3357	31.97			20.79	137	4.08
Year of Follow-up: 2015, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any		5018	52.27					
25	60-64	CC		633	6.59	0	0.00			
25	60-64	Ecig		579	6.03					
25	60-64	Dual		0	0.00					
25	60-64	Former		3370	35.10			23.66	144	4.27
Year of Follow-up: 2015, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any		4356	51.27					
25	65-69	CC		542	6.38	0	0.00			
25	65-69	Ecig		328	3.86					
25	65-69	Dual		0	0.00					
25	65-69	Former		3271	38.50			23.05	67	2.05
Year of Follow-up: 2015, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any		3116	47.67					
25	70-74	CC		431	6.59	0	0.00			
25	70-74	Ecig		116	1.77					
25	70-74	Dual		0	0.00					
25	70-74	Former		2873	43.96			26.48	46	1.60
Year of Follow-up: 2015, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any		2684	48.50					
25	75-79	CC		400	7.23	0	0.00			
25	75-79	Ecig		34	0.61					
25	75-79	Dual		0	0.00					
25	75-79	Former		2416	43.66			26.71	30	1.24
Year of Follow-up: 2020, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any		38326	54.53					
30	All Ages	CC		3034	4.32	0	0.00			
30	All Ages	Ecig		6312	8.98					
30	All Ages	Dual		0	0.00					
30	All Ages	Former		22611	32.17			23.75	773	3.42
Year of Follow-up: 2020, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any		0	.					
30	18-19	CC		0	.	0	.			
30	18-19	Ecig		0	.					
30	18-19	Dual		0	.					
30	18-19	Former		0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any		0	.					
30	20-24	CC		0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	136	1.72	0	0.00			
30	40-44	Ecig	1181	14.89					
30	40-44	Dual	0	0.00					
30	40-44	Former	1887	23.80			14.59	88	4.66
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	238	2.85	0	0.00			
30	45-49	Ecig	1083	12.97					
30	45-49	Dual	0	0.00					
30	45-49	Former	1670	20.00			16.82	78	4.67
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	311	3.54	0	0.00			
30	50-54	Ecig	1113	12.66					
30	50-54	Dual	0	0.00					
30	50-54	Former	2180	24.79			20.53	119	5.46
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	477	4.73	0	0.00			
30	55-59	Ecig	1195	11.86					
30	55-59	Dual	0	0.00					
30	55-59	Former	3122	30.98			22.30	135	4.32
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	584	5.56	0	0.00			
30	60-64	Ecig	919	8.75					
30	60-64	Dual	0	0.00					
30	60-64	Former	3718	35.41			23.47	154	4.14
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	498	5.19	0	0.00			
30	65-69	Ecig	454	4.73					
30	65-69	Dual	0	0.00					
30	65-69	Former	3630	37.81			26.78	77	2.12
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	4356	51.27					
30	70-74	CC	444	5.23	0	0.00			
30	70-74	Ecig	278	3.27					
30	70-74	Dual	0	0.00					
30	70-74	Former	3419	40.24			26.91	70	2.05
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	346	5.29	0	0.00			
30	75-79	Ecig	89	1.36					
30	75-79	Dual	0	0.00					
30	75-79	Former	2985	45.67			30.37	52	1.74
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	2119	3.32	0	0.00			
35	All Ages	Ecig	5196	8.15					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	21222	33.29			25.81	642	3.03
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	86	1.08	0	0.00			
35	45-49	Ecig	1048	13.22					
35	45-49	Dual	0	0.00					
35	45-49	Former	2070	26.10			18.05	64	3.09
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	164	1.96	0	0.00			
35	50-54	Ecig	935	11.20					
35	50-54	Dual	0	0.00					
35	50-54	Former	1892	22.66			19.46	113	5.97
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	234	2.66	0	0.00			
35	55-59	Ecig	944	10.74					
35	55-59	Dual	0	0.00					
35	55-59	Former	2426	27.59			23.14	96	3.96
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	382	3.79	0	0.00			
35	60-64	Ecig	947	9.40					
35	60-64	Dual	0	0.00					
35	60-64	Former	3465	34.38			24.78	154	4.44
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	477	4.54	0	0.00			
35	65-69	Ecig	710	6.76					
35	65-69	Dual	0	0.00					
35	65-69	Former	4034	38.42			26.43	91	2.26
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	427	4.45	0	0.00			
35	70-74	Ecig	389	4.05					
35	70-74	Dual	0	0.00					
35	70-74	Former	3766	39.23			30.69	66	1.75
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	349	4.11	0	0.00			
35	75-79	Ecig	223	2.62					
35	75-79	Dual	0	0.00					
35	75-79	Former	3569	42.00			30.65	58	1.63
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	1400	2.53	0	0.00			
40	All Ages	Ecig	4030	7.29					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	18966	34.33			27.91	506	2.67
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any		4726	59.60					
40	50-54	CC		58	0.73	0	0.00			
40	50-54	Ecig		884	11.15					
40	50-54	Dual		0	0.00					
40	50-54	Former		2262	28.52			21.23	104	4.60
Year of Follow-up: 2030, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any		5359	64.18					
40	55-59	CC		118	1.41	0	0.00			
40	55-59	Ecig		767	9.19					
40	55-59	Dual		0	0.00					
40	55-59	Former		2106	25.22			22.22	56	2.66
Year of Follow-up: 2030, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any		5189	59.01					
40	60-64	CC		179	2.04	0	0.00			
40	60-64	Ecig		731	8.31					
40	60-64	Dual		0	0.00					
40	60-64	Former		2694	30.64			25.53	115	4.27
Year of Follow-up: 2030, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any		5284	52.43					
40	65-69	CC		315	3.13	0	0.00			
40	65-69	Ecig		744	7.38					
40	65-69	Dual		0	0.00					
40	65-69	Former		3735	37.06			27.80	71	1.90
Year of Follow-up: 2030, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any		5278	50.27					
40	70-74	CC		406	3.87	0	0.00			
40	70-74	Ecig		601	5.72					
40	70-74	Dual		0	0.00					
40	70-74	Former		4214	40.14			30.16	88	2.09
Year of Follow-up: 2030, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any		5018	52.27					
40	75-79	CC		324	3.38	0	0.00			

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40	75-79	Ecig	303	3.16					
40	75-79	Dual	0	0.00					
40	75-79	Former	3955	41.20			34.08	72	1.82
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	845	1.85	0	0.00			
45	All Ages	Ecig	3001	6.57					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	15968	34.98			29.52	385	2.41
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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45	55-59	Never Any	4726	59.60					
45	55-59	CC	49	0.62	0	0.00			
45	55-59	Ecig	717	9.04					
45	55-59	Dual	0	0.00					
45	55-59	Former	2438	30.74			24.48	74	3.04
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	85	1.02	0	0.00			
45	60-64	Ecig	625	7.49					
45	60-64	Dual	0	0.00					
45	60-64	Former	2281	27.32			25.27	73	3.20
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	130	1.48	0	0.00			
45	65-69	Ecig	576	6.55					
45	65-69	Dual	0	0.00					
45	65-69	Former	2898	32.96			28.55	59	2.04
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	278	2.76	0	0.00			
45	70-74	Ecig	626	6.21					
45	70-74	Dual	0	0.00					
45	70-74	Former	3890	38.60			31.56	77	1.98
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	303	2.89	0	0.00			
45	75-79	Ecig	457	4.35					
45	75-79	Dual	0	0.00					
45	75-79	Former	4461	42.49			33.32	102	2.29
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	443	1.26	0	0.00			
50	All Ages	Ecig	2024	5.76					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12126	34.50			31.47	237	1.95
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	40	0.50	0	0.00			
50	60-64	Ecig	551	6.95					
50	60-64	Dual	0	0.00					
50	60-64	Former	2613	32.95			27.63	73	2.79
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	65	0.78	0	0.00			
50	65-69	Ecig	502	6.01					
50	65-69	Dual	0	0.00					
50	65-69	Former	2424	29.03			28.63	43	1.77
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	116	1.32	0	0.00			
50	70-74	Ecig	486	5.53					
50	70-74	Dual	0	0.00					
50	70-74	Former	3002	34.14			32.44	48	1.60
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	222	2.20	0	0.00			
50	75-79	Ecig	485	4.81					
50	75-79	Dual	0	0.00					
50	75-79	Former	4087	40.55			34.90	73	1.79

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	2499285.526	446964.5	4.921	15.171	2493.45	808.881	686.169	122.712

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	59047.703	30.783	0.015	0.052	2877.87	853.678	853.234	0.445
1992	198532	60494.150	60420.939	73.210	0.037	0.121	2829.84	862.271	861.228	1.044
1993	202512	62694.848	62554.055	140.793	0.070	0.225	2845.85	881.034	879.055	1.979
1994	200658	63202.598	62976.349	226.248	0.113	0.358	2777.87	874.966	871.834	3.132
1995	201023	63766.862	63436.632	330.230	0.164	0.518	2739.80	869.097	864.596	4.501
1996	201180	64591.163	64124.694	466.468	0.232	0.722	2706.36	868.908	862.633	6.275
1997	198639	64686.912	64072.977	613.935	0.309	0.949	2635.18	858.147	850.002	8.145
1998	197573	65295.961	64489.919	806.043	0.408	1.234	2584.18	854.046	843.503	10.543
1999	211329	67327.521	66215.714	1111.807	0.526	1.651	2726.91	868.771	854.424	14.346
2000	208496	67596.897	66236.509	1360.388	0.652	2.013	2656.96	861.419	844.083	17.336
2001	203606	67008.811	65365.635	1643.176	0.807	2.452	2565.88	844.458	823.751	20.708
2002	200828	67067.744	65057.796	2009.947	1.001	2.997	2506.09	836.925	811.843	25.082
2003	196352	66756.217	64437.030	2319.186	1.181	3.474	2427.31	825.244	796.574	28.670
2004	188160	65058.725	62402.927	2655.799	1.411	4.082	2302.83	796.234	763.731	32.504
2005	186416	65214.724	62200.670	3014.054	1.617	4.622	2256.27	789.321	752.840	36.480
2006	180088	63771.146	60371.591	3399.555	1.888	5.331	2160.67	765.117	724.330	40.787
2007	175644	63110.718	59328.745	3781.973	2.153	5.993	2086.36	749.650	704.727	44.924
2008	177570	63718.624	59458.695	4259.929	2.399	6.686	2086.39	748.674	698.621	50.053
2009	172806	62794.698	58131.421	4663.277	2.699	7.426	2007.57	729.515	675.340	54.175
2010	170489	61917.074	56854.806	5062.268	2.969	8.176	1957.97	711.083	652.945	58.137
2011	170305	61680.114	56010.850	5669.264	3.329	9.191	1937.46	701.700	637.204	64.496
2012	171421	62023.127	55739.251	6283.876	3.666	10.132	1930.22	698.386	627.629	70.757
2013	172699	62037.765	55157.937	6879.829	3.984	11.090	1923.75	691.059	614.422	76.637
2014	174169	61921.017	54298.445	7622.572	4.377	12.310	1918.85	682.195	598.216	83.979
2015	177354	61856.204	53687.244	8168.960	4.606	13.206	2184.51	761.899	661.279	100.619
2016	176853	60464.119	51634.854	8829.264	4.992	14.602	2157.59	737.655	629.939	107.716
2017	179309	60243.839	50678.238	9565.600	5.335	15.878	2166.86	728.017	612.421	115.595
2018	177157	60713.327	50535.798	10177.53	5.745	16.763	2120.51	726.721	604.899	121.822
2019	179227	61148.172	50116.930	11031.24	6.155	18.040	2124.53	724.841	594.078	130.763
2020	180467	61149.317	49662.555	11486.76	6.365	18.785	2424.25	821.432	667.128	154.304
2021	178116	58727.786	46529.493	12198.29	6.849	20.771	2375.42	783.216	620.535	162.681
2022	179408	58848.802	45841.716	13007.09	7.250	22.103	2374.52	778.881	606.728	172.152
2023	180640	58816.149	45111.487	13704.66	7.587	23.301	2372.26	772.407	592.429	179.977
2024	181610	58955.232	44403.516	14551.72	8.013	24.683	2366.77	768.316	578.675	189.641
2025	180418	58297.744	43405.439	14892.31	8.254	25.545	2713.69	876.861	652.865	223.996
2026	180313	56469.971	41028.495	15441.48	8.564	27.345	2701.83	846.150	614.774	231.376
2027	179619	56209.427	39962.448	16246.98	9.045	28.904	2680.68	838.883	596.409	242.474
2028	178762	55733.105	38736.887	16996.22	9.508	30.496	2656.74	828.298	575.703	252.596
2029	177808	55145.838	37465.069	17680.77	9.944	32.062	2630.89	815.951	554.342	261.609
2030	173587	53615.097	35966.621	17648.48	10.167	32.917	3040.33	939.056	629.947	309.109
2031	174985	52046.561	34317.276	17729.28	10.132	34.064	3060.73	910.364	600.255	310.109
2032	173400	51582.636	33083.281	18499.35	10.669	35.864	3027.10	900.496	577.546	322.950
2033	171756	50839.758	31748.399	19091.36	11.115	37.552	2991.14	885.375	552.898	332.476
2034	169973	50215.451	30477.191	19738.26	11.613	39.307	2951.96	872.104	529.305	342.799
2035	162644	47773.075	28466.254	19306.82	11.871	40.414	3459.14	1016.05	605.425	410.621
2036	156254	43298.709	24897.772	18400.94	11.776	42.498	3328.25	922.274	530.329	391.945
2037	153593	42241.563	23355.037	18886.53	12.296	44.711	3274.10	900.450	497.852	402.598
2038	150947	41356.353	21883.184	19473.17	12.901	47.086	3217.50	881.531	466.451	415.080
2039	148373	40161.050	20374.228	19786.82	13.336	49.269	3159.42	855.178	433.843	421.335

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1405362.168	175103.0	7.522	11.079	639.078	433.910	385.837	48.074

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31406.571	5.440	0.012	0.017	631.345	453.901	453.822	0.079
1992	45423	32782.407	32771.168	11.239	0.025	0.034	647.450	467.274	467.114	0.160
1993	46291	33491.183	33469.166	22.018	0.048	0.066	650.515	470.643	470.333	0.309
1994	47017	34074.347	34040.043	34.304	0.073	0.101	650.895	471.719	471.244	0.475
1995	47840	34694.454	34642.098	52.356	0.109	0.151	652.025	472.861	472.147	0.714
1996	48244	35027.269	34955.066	72.202	0.150	0.206	648.999	471.202	470.231	0.971
1997	49035	35590.763	35485.295	105.468	0.215	0.296	650.506	472.153	470.754	1.399
1998	49686	36100.785	35946.624	154.161	0.310	0.427	649.874	472.184	470.168	2.016
1999	48883	35451.030	35251.396	199.634	0.408	0.563	630.769	457.448	454.872	2.576
2000	50331	36447.986	36181.089	266.897	0.530	0.732	641.392	464.474	461.073	3.401
2001	50389	36411.326	36072.035	339.291	0.673	0.932	635.012	458.863	454.587	4.276
2002	51445	37078.545	36636.162	442.383	0.860	1.193	641.972	462.696	457.175	5.520
2003	51408	36999.876	36464.984	534.892	1.040	1.446	635.509	457.395	450.782	6.612
2004	51399	36861.555	36206.388	655.167	1.275	1.777	629.057	451.138	443.119	8.018
2005	51421	36689.529	35921.046	768.482	1.494	2.095	622.370	444.069	434.767	9.301
2006	51355	36504.774	35592.770	912.004	1.776	2.498	616.150	437.979	427.037	10.942
2007	51839	36663.202	35575.219	1087.983	2.099	2.968	615.761	435.498	422.574	12.923
2008	50976	35898.803	34678.746	1220.057	2.393	3.399	598.952	421.800	407.464	14.335
2009	51193	35934.525	34507.982	1426.543	2.787	3.970	594.733	417.468	400.895	16.573
2010	50853	35502.829	33912.893	1589.937	3.127	4.478	584.018	407.730	389.470	18.260
2011	50509	35136.342	33309.022	1827.320	3.618	5.201	574.613	399.726	378.938	20.788
2012	51245	35450.201	33369.656	2080.545	4.060	5.869	577.023	399.173	375.745	23.427
2013	51069	35123.224	32785.797	2337.427	4.577	6.655	568.874	391.249	365.212	26.037
2014	51251	35079.370	32450.333	2629.036	5.130	7.495	564.641	386.476	357.511	28.965
2015	50443	34324.171	31499.419	2824.752	5.600	8.230	621.319	422.780	387.986	34.793
2016	48854	33054.753	29993.758	3060.995	6.266	9.260	596.013	403.264	365.920	37.344
2017	48325	32471.234	29126.158	3345.077	6.922	10.302	583.983	392.399	351.975	40.424
2018	50465	33657.595	29765.852	3891.743	7.712	11.563	604.052	402.871	356.288	46.583
2019	51036	33863.424	29535.846	4327.578	8.479	12.780	604.975	401.412	350.113	51.298
2020	51444	33910.830	29278.888	4631.942	9.004	13.659	691.053	455.532	393.310	62.222
2021	48037	31531.880	26769.067	4762.813	9.915	15.105	640.639	420.521	357.002	63.519
2022	48335	31560.212	26368.691	5191.521	10.741	16.450	639.727	417.708	348.997	68.711
2023	48599	31508.781	25934.706	5574.075	11.470	17.691	638.227	413.791	340.589	73.202
2024	48784	31517.293	25485.431	6031.863	12.365	19.138	635.757	410.740	332.131	78.608
2025	48477	31175.389	24865.835	6309.554	13.016	20.239	729.141	468.912	374.009	94.903
2026	45324	29044.598	22747.272	6297.326	13.894	21.682	679.138	435.206	340.847	94.360
2027	45107	28825.765	22108.556	6717.209	14.892	23.303	673.191	430.203	329.953	100.249
2028	44842	28513.846	21389.986	7123.859	15.887	24.984	666.430	423.769	317.895	105.874
2029	44539	28148.109	20639.635	7508.474	16.858	26.675	659.013	416.486	305.389	111.097
2030	43393	27314.475	19730.443	7584.032	17.478	27.766	760.018	478.407	345.574	132.833
2031	40748	25423.102	18114.038	7309.064	17.937	28.750	712.731	444.684	316.839	127.845
2032	40325	25085.902	17392.753	7693.149	19.078	30.667	703.969	437.933	303.631	134.302
2033	39882	24645.067	16635.795	8009.272	20.082	32.498	694.543	429.194	289.712	139.481
2034	39404	24239.126	15900.744	8338.382	21.161	34.401	684.347	420.967	276.152	144.815
2035	37454	22944.147	14748.398	8195.748	21.882	35.720	796.588	487.980	313.671	174.309
2036	32988	19950.581	12428.852	7521.728	22.801	37.702	702.663	424.953	264.738	160.215
2037	32403	19415.334	11639.081	7776.252	23.998	40.052	690.731	413.871	248.107	165.764
2038	31820	18939.317	10885.521	8053.796	25.311	42.524	678.257	403.701	232.030	171.671
2039	31251	18379.752	10131.693	8248.059	26.393	44.876	665.457	391.373	215.741	175.632

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	299177.320	99656.48	3.074	24.987	890.124	109.498	82.138	27.360

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12839.302	17.177	0.018	0.134	1393.01	185.775	185.527	0.248
1992	93721	12662.244	12617.553	44.690	0.048	0.353	1335.88	180.485	179.848	0.637
1993	93679	12730.613	12645.886	84.727	0.090	0.666	1316.45	178.900	177.709	1.191
1994	90832	12495.323	12357.865	137.458	0.151	1.100	1257.46	172.983	171.080	1.903
1995	89698	12365.590	12168.500	197.090	0.220	1.594	1222.52	168.534	165.848	2.686
1996	88286	12290.551	12009.561	280.991	0.318	2.286	1187.66	165.338	161.558	3.780
1997	84777	11719.531	11366.503	353.028	0.416	3.012	1124.67	155.473	150.790	4.683
1998	82517	11416.794	10975.238	441.556	0.535	3.868	1079.29	149.327	143.552	5.775
1999	93939	13028.038	12386.293	641.745	0.683	4.926	1212.16	168.109	159.828	8.281
2000	90039	12426.299	11676.057	750.242	0.833	6.038	1147.41	158.354	148.794	9.561
2001	86119	11939.281	11041.692	897.590	1.042	7.518	1085.29	150.461	139.150	11.312
2002	83014	11528.794	10470.878	1057.916	1.274	9.176	1035.91	143.865	130.664	13.202
2003	79302	11048.407	9859.749	1188.658	1.499	10.759	980.336	136.581	121.887	14.694
2004	73861	10375.132	9058.679	1316.453	1.782	12.689	903.963	126.978	110.866	16.112
2005	71649	10051.029	8607.464	1443.565	2.015	14.362	867.197	121.652	104.180	17.472
2006	67551	9542.523	7953.870	1588.653	2.352	16.648	810.467	114.490	95.429	19.060
2007	63503	8936.533	7262.987	1673.546	2.635	18.727	754.310	106.151	86.272	19.879
2008	63171	8944.180	7079.324	1864.856	2.952	20.850	742.239	105.091	83.180	21.911
2009	59747	8390.033	6472.200	1917.833	3.210	22.858	694.108	97.471	75.191	22.280
2010	58008	8157.570	6117.859	2039.711	3.516	25.004	666.189	93.685	70.260	23.425
2011	57368	8035.356	5829.055	2206.301	3.846	27.457	652.644	91.414	66.314	25.100
2012	57411	7970.766	5577.465	2393.300	4.169	30.026	646.453	89.752	62.803	26.949
2013	57067	7743.216	5250.845	2492.371	4.367	32.188	635.688	86.254	58.491	27.763
2014	57538	7774.935	5073.518	2701.417	4.695	34.745	633.906	85.658	55.896	29.762
2015	58395	7722.535	4914.470	2808.065	4.809	36.362	719.266	95.120	60.533	34.588
2016	58658	7600.353	4657.541	2942.812	5.017	38.719	715.621	92.723	56.821	35.902
2017	59004	7470.266	4408.139	3062.127	5.190	40.991	713.034	90.274	53.270	37.004
2018	56077	6907.050	3922.478	2984.572	5.322	43.211	671.224	82.675	46.951	35.724
2019	55886	6732.046	3685.853	3046.193	5.451	45.249	662.462	79.801	43.692	36.109
2020	55313	6429.836	3436.816	2993.020	5.411	46.549	743.037	86.373	46.168	40.206
2021	56292	6562.016	3330.127	3231.889	5.741	49.251	750.730	87.513	44.412	43.102
2022	55827	6352.366	3101.093	3251.273	5.824	51.182	738.885	84.075	41.044	43.032
2023	55338	6134.123	2878.571	3255.552	5.883	53.073	726.728	80.557	37.803	42.754
2024	54770	5922.193	2676.898	3245.295	5.925	54.799	713.771	77.179	34.886	42.293
2025	53295	5504.188	2446.140	3058.048	5.738	55.559	801.612	82.789	36.793	45.996
2026	55278	5641.075	2400.679	3240.397	5.862	57.443	828.283	84.526	35.972	48.554
2027	54199	5426.216	2212.476	3213.740	5.930	59.226	808.875	80.982	33.020	47.963
2028	53090	5197.830	2031.872	3165.958	5.963	60.909	789.020	77.249	30.197	47.052
2029	51974	4973.547	1872.304	3101.242	5.967	62.355	769.023	73.590	27.703	45.887
2030	49479	4450.618	1650.368	2800.250	5.660	62.918	866.605	77.952	28.906	49.046
2031	51987	4555.052	1620.397	2934.655	5.645	64.426	909.317	79.674	28.343	51.331
2032	50677	4349.999	1479.093	2870.906	5.665	65.998	884.689	75.939	25.821	50.118
2033	49380	4147.948	1345.291	2802.657	5.676	67.567	859.955	72.237	23.428	48.808
2034	48076	3966.133	1238.774	2727.359	5.673	68.766	834.943	68.881	21.514	47.367
2035	44518	3289.064	1014.111	2274.953	5.110	69.167	946.825	69.952	21.568	48.384
2036	46347	3313.192	959.382	2353.810	5.079	71.044	987.211	70.572	20.435	50.137
2037	44841	3117.951	847.480	2270.471	5.063	72.819	955.859	66.464	18.065	48.399
2038	43378	2949.775	752.858	2196.917	5.065	74.477	924.621	62.876	16.048	46.828
2039	41973	2766.312	672.871	2093.441	4.988	75.676	893.753	58.905	14.328	44.577

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	77682.997	27216.75	2.013	25.945	371.243	28.800	21.328	7.472

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3202.424	4.639	0.014	0.145	469.694	46.342	46.275	0.067
1992	32560	3218.125	3206.500	11.625	0.036	0.361	464.104	45.871	45.705	0.166
1993	32768	3226.680	3203.783	22.897	0.070	0.710	460.480	45.344	45.022	0.322
1994	33005	3277.266	3237.603	39.663	0.120	1.210	456.915	45.370	44.821	0.549
1995	33730	3309.378	3249.852	59.526	0.176	1.799	459.716	45.104	44.293	0.811
1996	33750	3312.987	3225.688	87.298	0.259	2.635	454.019	44.568	43.393	1.174
1997	33699	3267.066	3148.559	118.507	0.352	3.627	447.056	43.341	41.769	1.572
1998	33274	3178.725	3029.648	149.077	0.448	4.690	435.211	41.577	39.627	1.950
1999	33891	3120.351	2937.236	183.115	0.540	5.868	437.317	40.264	37.901	2.363
2000	33827	3142.808	2916.161	226.647	0.670	7.212	431.074	40.050	37.162	2.888
2001	32506	2961.588	2703.820	257.768	0.793	8.704	409.647	37.323	34.074	3.248
2002	32078	2940.627	2629.143	311.484	0.971	10.592	400.295	36.695	32.809	3.887
2003	30568	2819.545	2468.966	350.579	1.147	12.434	377.883	34.855	30.521	4.334
2004	29388	2730.466	2337.664	392.802	1.337	14.386	359.671	33.417	28.610	4.807
2005	27954	2670.510	2233.533	436.977	1.563	16.363	338.339	32.322	27.033	5.289
2006	27201	2623.285	2135.555	487.730	1.793	18.592	326.354	31.474	25.622	5.852
2007	26302	2536.599	2009.821	526.778	2.003	20.767	312.424	30.131	23.873	6.257
2008	25998	2469.443	1907.445	561.999	2.162	22.758	305.468	29.015	22.412	6.603
2009	25040	2386.945	1790.104	596.841	2.384	25.004	290.901	27.730	20.796	6.934
2010	24840	2329.274	1696.551	632.723	2.547	27.164	285.273	26.750	19.484	7.266
2011	24792	2286.581	1608.792	677.789	2.734	29.642	282.045	26.013	18.302	7.711
2012	24500	2243.311	1522.006	721.305	2.944	32.154	275.872	25.260	17.138	8.122
2013	24451	2176.503	1421.345	755.158	3.088	34.696	272.368	24.245	15.833	8.412
2014	25296	2211.619	1391.821	819.798	3.241	37.068	278.691	24.366	15.334	9.032
2015	26316	2237.016	1371.890	865.126	3.287	38.673	324.141	27.554	16.898	10.656
2016	26735	2229.057	1312.336	916.721	3.429	41.126	326.164	27.194	16.010	11.184
2017	27616	2221.649	1262.583	959.066	3.473	43.169	333.726	26.848	15.258	11.590
2018	25256	1939.420	1067.857	871.563	3.451	44.939	302.304	23.214	12.782	10.432
2019	25429	1904.400	1006.328	898.072	3.532	47.158	301.434	22.574	11.929	10.646
2020	25379	1806.054	930.246	875.809	3.451	48.493	340.922	24.261	12.496	11.765
2021	25448	1748.172	863.676	884.496	3.476	50.595	339.386	23.314	11.518	11.796
2022	25539	1701.148	806.139	895.009	3.504	52.612	338.015	22.515	10.669	11.846
2023	25620	1652.087	748.958	903.129	3.525	54.666	336.461	21.696	9.836	11.860
2024	25659	1597.127	694.046	903.081	3.520	56.544	334.391	20.814	9.045	11.769
2025	25260	1467.622	626.982	840.641	3.328	57.279	379.931	22.075	9.430	12.644
2026	25480	1390.505	574.997	815.508	3.201	58.648	381.790	20.835	8.616	12.220
2027	25264	1342.095	529.530	812.565	3.216	60.545	377.042	20.030	7.903	12.127
2028	25022	1289.536	487.403	802.133	3.206	62.203	371.870	19.165	7.244	11.921
2029	24767	1242.216	450.285	791.931	3.198	63.751	366.459	18.380	6.663	11.718
2030	23959	1096.803	390.425	706.378	2.948	64.403	419.641	19.210	6.838	12.372
2031	23963	1019.991	349.046	670.945	2.800	65.779	419.142	17.841	6.105	11.736
2032	23615	977.406	318.603	658.804	2.790	67.403	412.259	17.063	5.562	11.501
2033	23259	937.450	288.832	648.618	2.789	69.190	405.051	16.326	5.030	11.296
2034	22879	900.763	264.952	635.811	2.779	70.586	397.339	15.644	4.601	11.042
2035	21733	745.023	215.007	530.017	2.439	71.141	462.224	15.845	4.573	11.272
2036	20904	680.360	183.037	497.322	2.379	73.097	445.263	14.492	3.899	10.593
2037	20397	644.109	161.422	482.687	2.366	74.939	434.791	13.730	3.441	10.289
2038	19890	612.448	143.161	469.288	2.359	76.625	423.966	13.055	3.052	10.003
2039	19392	577.529	128.220	449.309	2.317	77.798	412.930	12.298	2.730	9.567

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	717063.042	144988.2	6.713	16.819	593.003	236.673	196.867	39.806

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11599.406	3.527	0.013	0.030	383.818	167.661	167.610	0.051
1992	26828	11831.375	11825.719	5.656	0.021	0.048	382.401	168.642	168.561	0.081
1993	29774	13246.371	13235.220	11.151	0.037	0.084	418.406	186.148	185.991	0.157
1994	29804	13355.662	13340.838	14.824	0.050	0.111	412.601	184.893	184.688	0.205
1995	29755	13397.439	13376.181	21.259	0.071	0.159	405.540	182.598	182.308	0.290
1996	30900	13960.356	13934.379	25.977	0.084	0.186	415.680	187.801	187.451	0.349
1997	31128	14109.552	14072.620	36.932	0.119	0.262	412.949	187.180	186.690	0.490
1998	32096	14599.657	14538.409	61.249	0.191	0.420	419.803	190.958	190.157	0.801
1999	34616	15728.102	15640.790	87.313	0.252	0.555	446.673	202.950	201.823	1.127
2000	34299	15579.803	15463.201	116.602	0.340	0.748	437.088	198.541	197.055	1.486
2001	34592	15696.614	15548.088	148.527	0.429	0.946	435.935	197.812	195.940	1.872
2002	34291	15519.777	15321.613	198.165	0.578	1.277	427.910	193.668	191.195	2.473
2003	35074	15888.389	15643.332	245.058	0.699	1.542	433.587	196.413	193.384	3.029
2004	33512	15091.573	14800.195	291.377	0.869	1.931	410.143	184.701	181.135	3.566
2005	35392	15803.656	15438.627	365.029	1.031	2.310	428.364	191.278	186.860	4.418
2006	33981	15100.563	14689.396	411.168	1.210	2.723	407.699	181.174	176.241	4.933
2007	34000	14974.384	14480.718	493.665	1.452	3.297	403.863	177.871	172.007	5.864
2008	37425	16406.197	15793.181	613.017	1.638	3.736	439.732	192.768	185.565	7.203
2009	36826	16083.194	15361.135	722.059	1.961	4.490	427.825	186.846	178.457	8.388
2010	36788	15927.400	15127.503	799.897	2.174	5.022	422.489	182.917	173.731	9.186
2011	37636	16221.836	15263.982	957.854	2.545	5.905	428.164	184.547	173.650	10.897
2012	38265	16358.849	15270.124	1088.726	2.845	6.655	430.867	184.202	171.943	12.259
2013	40112	16994.822	15699.950	1294.872	3.228	7.619	446.821	189.311	174.887	14.424
2014	40084	16855.093	15382.773	1472.320	3.673	8.735	441.613	185.696	169.475	16.221
2015	42200	17572.483	15901.465	1671.018	3.960	9.509	519.788	216.445	195.862	20.582
2016	42606	17579.955	15671.219	1908.736	4.480	10.857	519.788	214.473	191.187	23.286
2017	44364	18080.688	15881.358	2199.330	4.957	12.164	536.117	218.496	191.918	26.578
2018	45359	18209.262	15779.610	2429.652	5.357	13.343	542.932	217.960	188.877	29.082
2019	46876	18648.302	15888.904	2759.398	5.887	14.797	555.657	221.054	188.345	32.709
2020	48331	19002.597	16016.606	2985.992	6.178	15.714	649.239	255.266	215.155	40.111
2021	48338	18885.717	15566.622	3319.095	6.866	17.575	644.660	251.867	207.602	44.265
2022	49708	19235.076	15565.793	3669.283	7.382	19.076	657.895	254.582	206.018	48.564
2023	51083	19521.158	15549.253	3971.905	7.775	20.347	670.849	256.363	204.202	52.161
2024	52397	19918.620	15547.142	4371.478	8.343	21.947	682.854	259.583	202.613	56.970
2025	53387	20150.545	15466.482	4684.063	8.774	23.245	803.004	303.086	232.633	70.453
2026	54232	20393.792	15305.547	5088.245	9.382	24.950	812.615	305.582	229.339	76.243
2027	55049	20615.351	15111.886	5503.465	9.997	26.696	821.568	307.668	225.533	82.135
2028	55809	20731.894	14827.625	5904.268	10.580	28.479	829.419	308.115	220.366	87.748
2029	56527	20781.967	14502.844	6279.123	11.108	30.214	836.392	307.495	214.587	92.907
2030	56756	20753.201	14195.385	6557.815	11.554	31.599	994.067	363.487	248.629	114.859
2031	58288	21048.417	14233.796	6814.621	11.691	32.376	1019.54	368.165	248.968	119.197
2032	58782	21169.329	13892.833	7276.496	12.379	34.373	1026.18	369.560	242.532	127.028
2033	59236	21109.293	13478.482	7630.811	12.882	36.149	1031.59	367.618	234.728	132.891
2034	59614	21109.429	13072.721	8036.708	13.481	38.072	1035.33	366.613	227.037	139.575
2035	58938	20794.840	12488.737	8306.103	14.093	39.943	1253.51	442.268	265.613	176.656
2036	56014	19354.577	11326.499	8028.077	14.332	41.479	1193.11	412.258	241.258	171.000
2037	55953	19064.169	10707.054	8357.115	14.936	43.837	1192.72	406.385	228.239	178.146
2038	55859	18854.812	10101.644	8753.168	15.670	46.424	1190.66	401.900	215.321	186.578
2039	55757	18437.457	9441.445	8996.012	16.134	48.792	1187.28	392.602	201.043	191.558

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9098907	2946250.006	2502743.679	443506.3	4.874	15.053	2494.17	808.881	686.046	122.835

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	59047.703	30.783	0.015	0.052	2877.87	853.678	853.234	0.445
1992	198532	60494.150	60420.972	73.178	0.037	0.121	2829.84	862.271	861.228	1.043
1993	202512	62694.848	62554.136	140.711	0.069	0.224	2845.85	881.034	879.055	1.979
1994	200659	63202.598	62976.528	226.070	0.113	0.358	2777.87	874.966	871.833	3.133
1995	201024	63766.862	63436.945	329.917	0.164	0.517	2739.80	869.097	864.595	4.502
1996	201182	64591.163	64125.191	465.971	0.232	0.721	2706.35	868.908	862.630	6.278
1997	198641	64686.912	64073.696	613.216	0.309	0.948	2635.16	858.147	849.997	8.150
1998	197576	65295.961	64490.960	805.002	0.407	1.233	2584.14	854.046	843.495	10.552
1999	211333	67327.521	66217.327	1110.194	0.525	1.649	2726.86	868.771	854.413	14.358
2000	208502	67596.897	66238.877	1358.019	0.651	2.009	2656.90	861.419	844.069	17.350
2001	203614	67008.811	65368.984	1639.827	0.805	2.447	2565.81	844.458	823.734	20.724
2002	200840	67067.744	65062.286	2005.458	0.999	2.990	2506.00	836.925	811.824	25.101
2003	196368	66756.217	64443.031	2313.186	1.178	3.465	2427.22	825.244	796.553	28.691
2004	188180	65058.725	62410.577	2648.148	1.407	4.070	2302.74	796.234	763.710	32.524
2005	186442	65214.724	62210.451	3004.273	1.611	4.607	2256.17	789.321	752.820	36.501
2006	180120	63771.146	60383.476	3387.670	1.881	5.312	2160.58	765.117	724.311	40.806
2007	175683	63110.718	59342.954	3767.764	2.145	5.970	2086.26	749.650	704.708	44.942
2008	177618	63718.624	59475.760	4242.865	2.389	6.659	2086.30	748.674	698.603	50.071
2009	172862	62794.698	58151.396	4643.302	2.686	7.394	2007.49	729.515	675.325	54.190
2010	170555	61917.074	56877.897	5039.177	2.955	8.139	1957.90	711.083	652.936	58.147
2011	170382	61680.114	56037.416	5642.698	3.312	9.148	1937.41	701.700	637.200	64.500
2012	171511	62023.127	55769.886	6253.241	3.646	10.082	1930.18	698.386	627.631	70.755
2013	172804	62037.765	55192.744	6845.021	3.961	11.034	1923.73	691.059	614.430	76.628
2014	174291	61921.017	54338.025	7582.992	4.351	12.246	1918.87	682.195	598.236	83.958
2015	177498	61856.204	53732.281	8123.923	4.577	13.134	2184.40	761.899	661.263	100.635
2016	177017	60464.119	51684.524	8779.595	4.960	14.520	2157.51	737.655	629.938	107.717
2017	179498	60243.839	50733.693	9510.145	5.298	15.786	2166.83	728.017	612.436	115.581
2018	177368	60713.327	50597.972	10115.35	5.703	16.661	2120.53	726.721	604.927	121.794
2019	179470	61148.172	50186.877	10961.29	6.108	17.926	2124.64	724.841	594.133	130.708
2020	180745	61149.317	49741.145	11408.17	6.312	18.656	2424.14	821.432	667.124	154.309
2021	178428	58727.786	46613.200	12114.59	6.790	20.628	2375.45	783.216	620.571	162.645
2022	179761	58848.802	45934.048	12914.75	7.184	21.946	2374.67	778.881	606.797	172.083
2023	181036	58816.149	45212.716	13603.43	7.514	23.129	2372.56	772.407	592.534	179.873
2024	182051	58955.232	44513.778	14441.45	7.933	24.496	2367.22	768.316	578.814	189.502
2025	180907	58297.744	43525.114	14772.63	8.166	25.340	2713.76	876.861	652.914	223.948
2026	180853	56469.971	41153.507	15316.46	8.469	27.123	2702.07	846.150	614.862	231.287
2027	180212	56209.427	40096.701	16112.73	8.941	28.666	2681.14	838.883	596.546	242.337
2028	179411	55733.105	38880.097	16853.01	9.393	30.239	2657.44	828.298	575.892	252.406
2029	178516	55145.838	37616.941	17528.90	9.819	31.786	2631.85	815.951	554.585	261.366
2030	174349	53615.097	36126.809	17488.29	10.031	32.618	3040.78	939.056	630.078	308.978
2031	175817	52046.561	34482.122	17564.44	9.990	33.748	3061.34	910.364	600.406	309.957
2032	174296	51582.636	33256.226	18326.41	10.515	35.528	3028.04	900.496	577.760	322.736
2033	172720	50839.758	31928.838	18910.92	10.949	37.197	2992.44	885.375	553.179	332.195
2034	171004	50215.451	30664.621	19550.83	11.433	38.934	2953.63	872.104	529.648	342.456
2035	163725	47773.075	28657.366	19115.71	11.676	40.014	3460.23	1016.05	605.657	410.389
2036	157366	43298.709	25076.894	18221.81	11.579	42.084	3329.51	922.274	530.572	391.702
2037	154766	42241.563	23535.663	18705.90	12.087	44.283	3275.79	900.450	498.157	402.294
2038	152181	41356.353	22064.984	19291.37	12.677	46.647	3219.64	881.531	466.820	414.711
2039	149672	40161.050	20555.520	19605.53	13.099	48.817	3162.04	855.178	434.266	420.912

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	All	NULL	Ecig							
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Ecig	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2331875	1580465.217	1407249.015	173216.2	7.428	10.960	639.208	433.910	385.752	48.159

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	All	NULL	Ecig							
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Ecig	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31406.571	5.440	0.012	0.017	631.345	453.901	453.822	0.079
1992	45423	32782.407	32771.185	11.222	0.025	0.034	647.450	467.274	467.114	0.160
1993	46291	33491.183	33469.209	21.974	0.047	0.066	650.515	470.643	470.333	0.310
1994	47017	34074.347	34040.140	34.208	0.073	0.100	650.895	471.719	471.244	0.475
1995	47840	34694.454	34642.269	52.185	0.109	0.150	652.024	472.861	472.146	0.714
1996	48244	35027.269	34955.338	71.930	0.149	0.205	648.997	471.202	470.229	0.973
1997	49036	35590.763	35485.694	105.068	0.214	0.295	650.502	472.153	470.750	1.402
1998	49687	36100.785	35947.209	153.576	0.309	0.425	649.867	472.184	470.163	2.021
1999	48884	35451.030	35252.260	198.770	0.407	0.561	630.760	457.448	454.866	2.582
2000	50333	36447.986	36182.396	265.590	0.528	0.729	641.381	464.474	461.065	3.409
2001	50392	36411.326	36073.905	337.421	0.670	0.927	634.999	458.863	454.578	4.285
2002	51449	37078.545	36638.714	439.831	0.855	1.186	641.956	462.696	457.165	5.531
2003	51413	36999.876	36468.425	531.451	1.034	1.436	635.492	457.395	450.771	6.624
2004	51405	36861.555	36210.870	650.685	1.266	1.765	629.040	451.138	443.108	8.030
2005	51429	36689.529	35926.746	762.783	1.483	2.079	622.354	444.069	434.756	9.312
2006	51365	36504.774	35599.828	904.946	1.762	2.479	616.135	437.979	427.027	10.952
2007	51852	36663.202	35583.808	1079.394	2.082	2.944	615.746	435.498	422.564	12.934
2008	50991	35898.803	34688.803	1210.000	2.373	3.371	598.939	421.800	407.455	14.345
2009	51211	35934.525	34519.954	1414.572	2.762	3.937	594.723	417.468	400.888	16.580
2010	50874	35502.829	33926.833	1575.996	3.098	4.439	584.013	407.730	389.467	18.263
2011	50533	35136.342	33325.036	1811.305	3.584	5.155	574.615	399.726	378.938	20.788
2012	51274	35450.201	33388.241	2061.959	4.021	5.816	577.032	399.173	375.749	23.423
2013	51102	35123.224	32806.809	2316.415	4.533	6.595	568.891	391.249	365.220	26.029
2014	51289	35079.370	32474.308	2605.062	5.079	7.426	564.671	386.476	357.527	28.949
2015	50486	34324.171	31526.225	2797.946	5.542	8.152	621.317	422.780	387.982	34.798
2016	48902	33054.753	30022.944	3031.808	6.200	9.172	596.024	403.264	365.924	37.340
2017	48379	32471.234	29158.436	3312.799	6.848	10.202	584.011	392.399	351.988	40.410
2018	50529	33657.595	29803.055	3854.540	7.628	11.452	604.096	402.871	356.312	46.560
2019	51109	33863.424	29577.680	4285.744	8.386	12.656	605.046	401.412	350.153	51.259
2020	51526	33910.830	29325.836	4584.994	8.898	13.521	691.066	455.532	393.315	62.216
2021	48124	31531.880	26817.753	4714.127	9.796	14.950	640.690	420.521	357.030	63.491
2022	48433	31560.212	26422.342	5137.871	10.608	16.280	639.812	417.708	349.044	68.664
2023	48709	31508.781	25993.464	5515.317	11.323	17.504	638.351	413.791	340.656	73.135
2024	48906	31517.293	25549.312	5967.982	12.203	18.936	635.922	410.740	332.218	78.521
2025	48611	31175.389	24934.977	6240.412	12.837	20.017	729.212	468.912	374.046	94.866
2026	45463	29044.598	22817.064	6227.534	13.698	21.441	679.245	435.206	340.903	94.303
2027	45259	28825.765	22183.293	6642.472	14.677	23.044	673.352	430.203	330.036	100.167
2028	45007	28513.846	21469.494	7044.351	15.652	24.705	666.651	423.769	318.006	105.763
2029	44719	28148.109	20723.686	7424.423	16.602	26.376	659.297	416.486	305.528	110.958
2030	43586	27314.475	19818.699	7495.776	17.198	27.443	760.178	478.407	345.653	132.754
2031	40943	25423.102	18201.322	7221.780	17.639	28.406	712.905	444.684	316.923	127.761
2032	40535	25085.902	17483.895	7602.007	18.754	30.304	704.215	437.933	303.747	134.186
2033	40107	24645.067	16730.493	7914.574	19.734	32.114	694.869	429.194	289.862	139.332
2034	39645	24239.126	15998.630	8240.496	20.786	33.997	684.755	420.967	276.333	144.634
2035	37705	22944.147	14847.575	8096.572	21.474	35.288	796.869	487.980	313.795	174.185
2036	33223	19950.581	12518.164	7432.417	22.371	37.254	702.923	424.953	264.857	160.096
2037	32650	19415.334	11728.900	7686.434	23.542	39.590	691.071	413.871	248.254	165.616
2038	32079	18939.317	10975.639	7963.678	24.825	42.048	678.684	403.701	232.207	171.494
2039	31523	18379.752	10221.388	8158.363	25.880	44.388	665.976	391.373	215.942	175.431

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3247122	398833.796	299378.290	99455.51	3.063	24.937	890.093	109.498	82.065	27.433

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12839.302	17.177	0.018	0.134	1393.01	185.775	185.527	0.248
1992	93721	12662.244	12617.559	44.684	0.048	0.353	1335.88	180.485	179.848	0.637
1993	93679	12730.613	12645.901	84.712	0.090	0.665	1316.45	178.900	177.709	1.191
1994	90832	12495.323	12357.897	137.426	0.151	1.100	1257.46	172.983	171.080	1.903
1995	89699	12365.590	12168.559	197.032	0.220	1.593	1222.52	168.534	165.848	2.687
1996	88287	12290.551	12009.658	280.894	0.318	2.285	1187.66	165.338	161.557	3.781
1997	84778	11719.531	11366.646	352.885	0.416	3.011	1124.66	155.473	150.789	4.684
1998	82518	11416.794	10975.446	441.348	0.535	3.866	1079.27	149.327	143.551	5.776
1999	93941	13028.038	12386.655	641.383	0.683	4.923	1212.13	168.109	159.827	8.282
2000	90041	12426.299	11676.562	749.737	0.833	6.033	1147.38	158.354	148.792	9.562
2001	86122	11939.281	11042.369	896.912	1.041	7.512	1085.25	150.461	139.148	11.313
2002	83019	11528.794	10471.743	1057.051	1.273	9.169	1035.87	143.865	130.663	13.203
2003	79308	11048.407	9860.833	1187.574	1.497	10.749	980.294	136.581	121.886	14.695
2004	73869	10375.132	9059.987	1315.145	1.780	12.676	903.921	126.978	110.866	16.112
2005	71659	10051.029	8609.054	1441.976	2.012	14.347	867.157	121.652	104.180	17.472
2006	67563	9542.523	7955.695	1586.828	2.349	16.629	810.430	114.490	95.430	19.060
2007	63517	8936.533	7265.017	1671.516	2.632	18.704	754.274	106.151	86.273	19.878
2008	63188	8944.180	7081.698	1862.483	2.948	20.823	742.207	105.091	83.182	21.910
2009	59766	8390.033	6474.758	1915.276	3.205	22.828	694.079	97.471	75.193	22.278
2010	58030	8157.570	6120.707	2036.863	3.510	24.969	666.166	93.685	70.263	23.422
2011	57394	8035.356	5832.210	2203.146	3.839	27.418	652.626	91.414	66.318	25.096
2012	57441	7970.766	5580.953	2389.813	4.160	29.982	646.442	89.752	62.808	26.944
2013	57102	7743.216	5254.602	2488.614	4.358	32.139	635.681	86.254	58.497	27.758
2014	57578	7774.935	5077.702	2697.233	4.684	34.691	633.912	85.658	55.903	29.755
2015	58443	7722.535	4919.141	2803.394	4.797	36.301	719.231	95.120	60.538	34.582
2016	58713	7600.353	4662.596	2937.757	5.004	38.653	715.600	92.723	56.828	35.895
2017	59067	7470.266	4413.551	3056.715	5.175	40.918	713.027	90.274	53.279	36.996
2018	56144	6907.050	3927.896	2979.154	5.306	43.132	671.233	82.675	46.960	35.715
2019	55962	6732.046	3691.552	3040.495	5.433	45.164	662.498	79.801	43.702	36.099
2020	55399	6429.836	3442.788	2987.048	5.392	46.456	743.005	86.373	46.174	40.199
2021	56391	6562.016	3336.626	3225.389	5.720	49.152	750.745	87.513	44.421	43.092
2022	55937	6352.366	3107.803	3244.562	5.800	51.076	738.934	84.075	41.055	43.021
2023	55459	6134.123	2885.444	3248.679	5.858	52.961	726.817	80.557	37.815	42.742
2024	54903	5922.193	2683.907	3238.286	5.898	54.681	713.900	77.179	34.899	42.280
2025	53439	5504.188	2453.265	3050.922	5.709	55.429	801.632	82.789	36.801	45.988
2026	55443	5641.075	2408.331	3232.744	5.831	57.307	828.356	84.526	35.982	48.544
2027	54377	5426.216	2220.155	3206.061	5.896	59.085	809.005	80.982	33.031	47.951
2028	53282	5197.830	2039.551	3158.279	5.927	60.761	789.212	77.249	30.210	47.040
2029	52179	4973.547	1879.964	3093.583	5.929	62.201	769.280	73.590	27.716	45.874
2030	49695	4450.618	1657.860	2792.758	5.620	62.750	866.712	77.952	28.914	49.037
2031	52233	4555.052	1628.341	2926.711	5.603	64.252	909.489	79.674	28.353	51.321
2032	50938	4349.999	1486.911	2863.088	5.621	65.818	884.939	75.939	25.832	50.107
2033	49655	4147.948	1352.932	2795.016	5.629	67.383	860.288	72.237	23.440	48.796
2034	48364	3966.133	1246.274	2719.859	5.624	68.577	835.359	68.881	21.526	47.355
2035	44812	3289.064	1020.990	2268.074	5.061	68.958	947.078	69.952	21.578	48.374
2036	46675	3313.192	966.351	2346.841	5.028	70.833	987.540	70.572	20.446	50.126
2037	45180	3117.951	854.017	2263.934	5.011	72.610	956.283	66.464	18.076	48.388
2038	43728	2949.775	759.006	2190.769	5.010	74.269	925.142	62.876	16.058	46.818
2039	42334	2766.312	678.632	2087.680	4.931	75.468	894.375	58.905	14.337	44.568

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1354474	104899.750	77734.361	27165.39	2.006	25.897	371.285	28.800	21.308	7.491

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3202.424	4.639	0.014	0.145	469.694	46.342	46.275	0.067
1992	32560	3218.125	3206.501	11.624	0.036	0.361	464.104	45.871	45.705	0.166
1993	32768	3226.680	3203.787	22.893	0.070	0.709	460.480	45.344	45.022	0.322
1994	33005	3277.266	3237.613	39.653	0.120	1.210	456.916	45.370	44.821	0.549
1995	33730	3309.378	3249.872	59.506	0.176	1.798	459.716	45.104	44.293	0.811
1996	33750	3312.987	3225.722	87.265	0.259	2.634	454.018	44.568	43.393	1.174
1997	33699	3267.066	3148.611	118.454	0.352	3.626	447.053	43.341	41.769	1.572
1998	33274	3178.725	3029.728	148.997	0.448	4.687	435.205	41.577	39.627	1.950
1999	33892	3120.351	2937.349	183.002	0.540	5.865	437.309	40.264	37.901	2.363
2000	33828	3142.808	2916.325	226.483	0.670	7.206	431.062	40.050	37.162	2.888
2001	32507	2961.588	2704.031	257.557	0.792	8.697	409.634	37.323	34.074	3.248
2002	32080	2940.627	2629.415	311.212	0.970	10.583	400.279	36.695	32.809	3.887
2003	30570	2819.545	2469.304	350.240	1.146	12.422	377.867	34.855	30.522	4.333
2004	29391	2730.466	2338.073	392.393	1.335	14.371	359.654	33.417	28.611	4.807
2005	27958	2670.510	2234.024	436.486	1.561	16.345	338.322	32.322	27.034	5.288
2006	27206	2623.285	2136.132	487.154	1.791	18.570	326.338	31.474	25.623	5.851
2007	26308	2536.599	2010.474	526.126	2.000	20.741	312.407	30.131	23.875	6.256
2008	26005	2469.443	1908.176	561.267	2.158	22.728	305.452	29.015	22.413	6.602
2009	25048	2386.945	1790.913	596.032	2.380	24.971	290.886	27.730	20.798	6.932
2010	24849	2329.274	1697.439	631.836	2.543	27.126	285.258	26.750	19.486	7.264
2011	24803	2286.581	1609.766	676.815	2.729	29.599	282.030	26.013	18.305	7.709
2012	24512	2243.311	1523.062	720.249	2.938	32.107	275.860	25.260	17.140	8.119
2013	24465	2176.503	1422.478	754.025	3.082	34.644	272.356	24.245	15.836	8.409
2014	25313	2211.619	1393.087	818.532	3.234	37.011	278.682	24.366	15.337	9.029
2015	26336	2237.016	1373.319	863.697	3.280	38.609	324.108	27.554	16.901	10.653
2016	26758	2229.057	1313.878	915.180	3.420	41.057	326.135	27.194	16.014	11.181
2017	27643	2221.649	1264.255	957.394	3.463	43.094	333.700	26.848	15.262	11.586
2018	25284	1939.420	1069.444	869.976	3.441	44.858	302.287	23.214	12.786	10.428
2019	25462	1904.400	1007.987	896.413	3.521	47.071	301.429	22.574	11.933	10.641
2020	25417	1806.054	931.967	874.087	3.439	48.398	340.884	24.261	12.499	11.762
2021	25491	1748.172	865.442	882.730	3.463	50.494	339.365	23.314	11.522	11.792
2022	25587	1701.148	807.956	893.192	3.491	52.505	338.010	22.515	10.673	11.842
2023	25674	1652.087	750.811	901.276	3.510	54.554	336.474	21.696	9.840	11.856
2024	25719	1597.127	695.922	901.204	3.504	56.427	334.424	20.814	9.049	11.765
2025	25326	1467.622	628.873	838.749	3.312	57.150	379.909	22.075	9.434	12.641
2026	25554	1390.505	576.878	813.627	3.184	58.513	381.789	20.835	8.619	12.216
2027	25345	1342.095	531.406	810.690	3.199	60.405	377.071	20.030	7.906	12.124
2028	25110	1289.536	489.274	800.262	3.187	62.058	371.933	19.165	7.247	11.918
2029	24863	1242.216	452.147	790.069	3.178	63.602	366.558	18.380	6.666	11.714
2030	24062	1096.803	392.225	704.578	2.928	64.239	419.667	19.210	6.841	12.370
2031	24075	1019.991	350.779	669.211	2.780	65.610	419.195	17.841	6.108	11.733
2032	23736	977.406	320.303	657.103	2.768	67.229	412.359	17.063	5.565	11.498
2033	23388	937.450	290.483	646.966	2.766	69.013	405.202	16.326	5.033	11.293
2034	23016	900.763	266.564	634.199	2.755	70.407	397.542	15.644	4.604	11.040
2035	21876	745.023	216.475	528.548	2.416	70.944	462.346	15.845	4.575	11.270
2036	21053	680.360	184.371	495.988	2.356	72.901	445.425	14.492	3.901	10.591
2037	20553	644.109	162.664	481.445	2.343	74.746	435.015	13.730	3.443	10.287
2038	20053	612.448	144.318	468.130	2.334	76.436	424.257	13.055	3.053	10.001
2039	19563	577.529	129.296	448.233	2.291	77.612	413.291	12.298	2.732	9.566

Results for PHIM for Run 10 (Sensitivity_Analysis_2.RTF)

Main Results for E-Component for Run: 10, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2165437	862051.244	718382.013	143669.2	6.635	16.666	593.584	236.673	196.921	39.752

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11599.406	3.527	0.013	0.030	383.818	167.661	167.610	0.051
1992	26828	11831.375	11825.727	5.648	0.021	0.048	382.401	168.642	168.561	0.081
1993	29774	13246.371	13235.239	11.132	0.037	0.084	418.406	186.148	185.991	0.157
1994	29804	13355.662	13340.879	14.783	0.050	0.111	412.601	184.893	184.688	0.205
1995	29755	13397.439	13376.245	21.195	0.071	0.158	405.539	182.598	182.308	0.290
1996	30900	13960.356	13934.473	25.882	0.084	0.185	415.678	187.801	187.450	0.350
1997	31128	14109.552	14072.744	36.808	0.118	0.261	412.945	187.180	186.688	0.492
1998	32096	14599.657	14538.576	61.081	0.190	0.418	419.797	190.958	190.154	0.804
1999	34617	15728.102	15641.064	87.039	0.251	0.553	446.663	202.950	201.819	1.131
2000	34300	15579.803	15463.594	116.209	0.339	0.746	437.076	198.541	197.050	1.491
2001	34593	15696.614	15548.679	147.936	0.428	0.942	435.920	197.812	195.934	1.878
2002	34293	15519.777	15322.414	197.364	0.576	1.272	427.892	193.668	191.188	2.481
2003	35077	15888.389	15644.469	243.921	0.695	1.535	433.566	196.413	193.375	3.038
2004	33515	15091.573	14801.647	289.926	0.865	1.921	410.122	184.701	181.126	3.575
2005	35397	15803.656	15440.627	363.028	1.026	2.297	428.340	191.278	186.850	4.428
2006	33987	15100.563	14691.822	408.742	1.203	2.707	407.675	181.174	176.231	4.943
2007	34007	14974.384	14483.654	490.729	1.443	3.277	403.837	177.871	171.996	5.875
2008	37434	16406.197	15797.083	609.115	1.627	3.713	439.703	192.768	185.553	7.215
2009	36837	16083.194	15365.772	717.422	1.948	4.461	427.798	186.846	178.446	8.400
2010	36801	15927.400	15132.918	794.482	2.159	4.988	422.463	182.917	173.720	9.197
2011	37652	16221.836	15270.404	951.432	2.527	5.865	428.139	184.547	173.639	10.907
2012	38284	16358.849	15277.630	1081.220	2.824	6.609	430.846	184.202	171.934	12.269
2013	40135	16994.822	15708.855	1285.967	3.204	7.567	446.801	189.311	174.878	14.433
2014	40111	16855.093	15392.929	1462.164	3.645	8.675	441.601	185.696	169.469	16.227
2015	42233	17572.483	15913.596	1658.886	3.928	9.440	519.741	216.445	195.843	20.602
2016	42644	17579.955	15685.105	1894.850	4.443	10.778	519.754	214.473	191.172	23.301
2017	44409	18080.688	15897.452	2183.237	4.916	12.075	536.092	218.496	191.907	26.589
2018	45411	18209.262	15797.577	2411.685	5.311	13.244	542.913	217.960	188.869	29.091
2019	46937	18648.302	15909.659	2738.643	5.835	14.686	555.662	221.054	188.345	32.709
2020	48403	19002.597	16040.554	2962.043	6.120	15.588	649.181	255.266	215.134	40.132
2021	48422	18885.717	15593.379	3292.338	6.799	17.433	644.647	251.867	207.598	44.269
2022	49804	19235.076	15595.947	3639.129	7.307	18.919	657.918	254.582	206.025	48.556
2023	51194	19521.158	15582.997	3938.161	7.693	20.174	670.916	256.363	204.222	52.140
2024	52524	19918.620	15584.638	4333.982	8.251	21.758	682.969	259.583	202.647	56.936
2025	53531	20150.545	15507.998	4642.547	8.673	23.039	803.006	303.086	232.633	70.453
2026	54394	20393.792	15351.235	5042.558	9.270	24.726	812.681	305.582	229.358	76.224
2027	55231	20615.351	15161.848	5453.503	9.874	26.454	821.709	307.668	225.573	82.095
2028	56012	20731.894	14881.778	5850.116	10.444	28.218	829.646	308.115	220.429	87.686
2029	56754	20781.967	14561.144	6220.823	10.961	29.934	836.715	307.495	214.674	92.821
2030	57006	20753.201	14258.025	6495.176	11.394	31.297	994.219	363.487	248.670	114.817
2031	58566	21048.417	14301.680	6746.737	11.520	32.053	1019.75	368.165	249.022	119.142
2032	59087	21169.329	13965.117	7204.212	12.192	34.031	1026.53	369.560	242.616	126.944
2033	59570	21109.293	13554.930	7554.364	12.681	35.787	1032.08	367.618	234.844	132.774
2034	59979	21109.429	13153.153	7956.276	13.265	37.691	1035.97	366.613	227.185	139.428
2035	59331	20794.840	12572.326	8222.514	13.859	39.541	1253.93	442.268	265.709	176.559
2036	56415	19354.577	11408.008	7946.568	14.086	41.058	1193.62	412.258	241.368	170.889
2037	56384	19064.169	10790.081	8274.088	14.675	43.401	1193.42	406.385	228.383	178.002
2038	56321	18854.812	10186.021	8668.791	15.392	45.977	1191.56	401.900	215.501	186.398
2039	56252	18437.457	9526.203	8911.254	15.842	48.332	1188.40	392.602	201.255	191.347

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

Estimated Loss of Life from the E Component for Run: 2, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	20546170.996	21547377.0
	Female	2039	23817891.273	12209985.169	11607906.1
Lung cancer	Males	2039	18222549.860	12233087.179	5989462.68
	Female	2039	12512468.845	7712396.126	4800072.72
IHD	Males	2039	15635992.616	4284317.625	11351675.0
	Female	2039	4798769.065	1326739.475	3472029.59
Stroke	Males	2039	2389546.238	846745.565	1542800.67
	Female	2039	1665361.569	607922.659	1057438.91
COPD	Males	2039	5845459.234	3182020.626	2663438.61
	Female	2039	4841291.793	2562926.910	2278364.88

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	20673061.709	21420486.2
	Female	2039	23817891.273	12258006.145	11559885.1
Lung cancer	Males	2039	18222549.860	12314679.074	5907870.79
	Female	2039	12512468.845	7742961.029	4769507.82
IHD	Males	2039	15635992.616	4295932.010	11340060.6
	Female	2039	4798769.065	1328723.281	3470045.78
Stroke	Males	2039	2389546.238	849153.944	1540392.29
	Female	2039	1665361.569	608658.582	1056702.99
COPD	Males	2039	5845459.234	3213296.681	2632162.55
	Female	2039	4841291.793	2577663.254	2263628.54

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2545584.709	34280.649
		1992	3830683.831	3712373.883	118309.948
		1993	5076567.803	4819330.770	257237.033
		1994	6292145.526	5843396.508	448749.018
		1995	7485537.010	6793871.961	691665.048
		1996	8655955.028	7678084.262	977870.766
		1997	9791729.713	8494210.145	1297519.57
		1998	10899134.186	9255911.652	1643222.53
		1999	12070409.674	9997971.689	2072437.99
		2000	13231384.595	10702844.520	2528540.08
		2001	14371761.018	11364114.560	3007646.46
		2002	15508906.386	11992391.062	3516515.32
		2003	16638100.422	12591369.025	4046731.40
		2004	17736465.088	13154444.733	4582020.36
		2005	18834658.606	13697558.398	5137100.21
		2006	19909100.501	14203677.853	5705422.65
		2007	20958321.463	14681143.031	6277178.43
		2008	22000068.148	15141239.016	6858829.13
		2009	23018816.903	15576022.379	7442794.52
		2010	24018480.537	15986214.321	8032266.22
		2011	25003034.574	16374536.569	8628498.00
		2012	25969871.429	16739556.536	9230314.89
		2013	26920275.180	17083378.611	9836896.57
		2014	27849005.227	17404293.278	10444711.9
		2015	28749620.400	17706125.510	11043494.9
		2016	29622417.562	17980916.117	11641501.4
		2017	30462559.724	18231404.446	12231155.3
		2018	31293299.299	18471647.548	12821651.8
		2019	32109993.427	18697399.979	13412593.4
		2020	32883323.977	18906697.715	13976626.3
		2021	33610102.554	19087626.990	14522475.6
		2022	34322010.448	19256377.398	15065633.1
		2023	35018383.550	19413307.275	15605076.3
		2024	35700177.955	19559165.216	16141012.7
		2025	36315500.346	19690035.602	16625464.7
		2026	36896159.343	19801243.037	17094916.3
		2027	37462570.116	19904073.656	17558496.5
		2028	38015337.780	19998850.833	18016486.9
		2029	38554814.764	20086535.858	18468278.9
		2030	39003805.400	20160636.978	18843168.4
		2031	39436509.703	20223916.631	19212593.1
2032	39858470.458	20282344.502	19576126.0		
2033	40270147.082	20336046.312	19934100.8		
2034	40672665.743	20386054.049	20286611.7		
2035	40962732.664	20423283.616	20539449.0		
2036	41255021.653	20457241.676	20797780.0		
2037	41540573.023	20488917.126	21051655.9		
2038	41820158.066	20518372.532	21301785.5		
2039	42093547.949	20546170.996	21547377.0		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1169324.468	13246.785	
1992		1777346.679	1731704.655	45642.024	
1993		2380261.899	2280278.517	99983.382	
1994		2983130.039	2806550.906	176579.133	
1995		3588982.584	3314395.499	274587.085	
1996		4195430.235	3800031.709	395398.526	
1997		4793866.694	4262902.696	530963.999	
1998		5389747.381	4707703.488	682043.893	
1999		6006722.467	5142557.735	864164.732	
2000		6625758.871	5565211.352	1060547.52	
2001		7245135.411	5972192.020	1272943.39	
2002		7867492.021	6366323.871	1501168.15	
2003		8485051.793	6744957.339	1740094.45	
2004		9092994.774	7105268.740	1987726.03	
2005		9706032.803	7455936.505	2250096.30	
2006		10311907.548	7789332.837	2522574.71	
2007		10909437.502	8108110.241	2801327.26	
2008		11506462.491	8412916.089	3093546.40	
2009		12098393.287	8705927.101	3392466.19	
2010		12681188.981	8983142.594	3698046.39	

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

		2011	13260062.991	9246695.679	4013367.31
		2012	13839417.441	9498757.472	4340659.97
		2013	14409614.758	9736978.953	4672635.81
		2014	14976658.746	9961788.352	5014870.39
		2015	15529977.821	10172871.778	5357106.04
		2016	16066640.764	10366854.662	5699786.10
		2017	16590035.078	10546978.320	6043056.76
		2018	17098716.137	10715796.180	6382919.96
		2019	17599868.850	10874077.703	6725791.15
		2020	18081346.241	11021260.456	7060085.79
		2021	18537594.460	11153418.843	7384175.62
		2022	18985300.234	11276544.700	7708755.53
		2023	19423958.747	11391010.535	8032948.21
		2024	19853347.772	11496974.999	8356372.77
		2025	20252822.245	11592980.105	8659842.14
		2026	20619307.063	11676058.840	8943248.22
		2027	20976063.406	11752533.606	9223529.80
		2028	21323641.947	11823009.203	9500632.74
		2029	21662117.106	11887596.458	9774520.65
		2030	21960971.694	11943542.580	10017429.1
		2031	22224951.983	11989179.741	10235772.2
		2032	22480397.853	12030773.096	10449624.8
		2033	22728639.455	12068890.915	10659748.5
		2034	22970448.888	12103682.900	10866766.0
		2035	23164154.188	12131121.677	11033032.5
		2036	23334538.616	12153233.449	11181305.2
		2037	23499760.723	12173568.789	11326191.9
		2038	23660308.401	12192406.596	11467901.8
		2039	23817891.273	12209985.169	11607906.1
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1175089.423	2654.690
		1992	1750034.892	1740710.842	9324.049
		1993	2319752.308	2298814.985	20937.322
		1994	2872597.339	2834943.125	37654.214
		1995	3411494.825	3351560.869	59933.956
		1996	3945569.726	3856635.785	88933.941
		1997	4463316.362	4339337.912	123978.450
		1998	4975301.180	4809163.211	166137.969
		1999	5473691.125	5258528.434	215162.691
		2000	5977500.570	5703656.211	273844.359
		2001	6474795.516	6133499.686	341295.830
		2002	6968769.705	6550348.580	418421.125
		2003	7460282.140	6954159.560	506122.580
		2004	7947048.275	7343432.619	603615.657
		2005	8430571.669	7719012.737	711558.932
		2006	8903945.390	8075070.589	828874.801
		2007	9364177.982	8410247.413	953930.569
		2008	9822525.458	8731906.570	1090618.89
		2009	10275228.886	9037860.177	1237368.71
		2010	10720275.500	9327577.042	1392698.46
		2011	11155356.373	9599516.207	1555840.17
		2012	11582611.617	9854517.412	1728094.21
		2013	11998803.791	10091824.846	1906978.94
		2014	12402087.090	10311341.279	2090745.81
		2015	12793451.706	10515261.437	2278190.27
		2016	13160101.653	10696605.855	2463495.80
		2017	13503583.414	10858049.576	2645533.84
		2018	13859755.737	11015091.785	2844663.95
		2019	14211625.176	11161556.362	3050068.81
		2020	14553935.288	11297153.881	3256781.41
		2021	14851747.495	11408383.282	3443364.21
		2022	15144531.004	11511267.103	3633263.90
		2023	15431932.496	11606140.207	3825792.29
		2024	15713920.740	11693526.843	4020393.90
		2025	15979112.816	11772231.485	4206881.33
		2026	16206550.153	11834756.840	4371793.31
		2027	16428826.050	11892080.187	4536745.86
		2028	16645902.186	11944532.091	4701370.10
		2029	16858126.517	11992710.324	4865416.19
		2030	17045220.687	12033992.433	5011228.25
		2031	17208482.610	12066820.476	5141662.13
		2032	17367586.074	12097040.493	5270545.58
		2033	17522716.280	12124788.970	5397927.31
		2034	17674226.555	12150551.050	5523675.51
		2035	17792201.734	12170299.751	5621901.98
		2036	17903508.236	12187552.980	5715955.26
		2037	18012162.345	12203708.393	5808453.95
		2038	18118464.470	12218786.854	5899677.62

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

	Female	2039	18222549.860	12233087.179	5989462.68
		1990	307897.357	307897.357	0.000
		1991	616547.418	614544.943	2002.475
		1992	931086.773	923956.663	7130.110
		1993	1246155.671	1230201.230	15954.441
		1994	1561212.934	1532299.590	28913.345
		1995	1879967.742	1833296.200	46671.542
		1996	2197488.109	2128159.222	69328.887
		1997	2515698.453	2418360.768	97337.685
		1998	2836249.556	2705125.825	131123.731
		1999	3150201.390	2980237.742	169963.648
		2000	3472722.342	3256737.983	215984.360
		2001	3796994.889	3527817.214	269177.675
		2002	4126619.935	3796122.661	330497.275
		2003	4454982.533	4056258.936	398723.598
		2004	4784343.030	4309403.449	474939.582
		2005	5113443.121	4554327.711	559115.410
		2006	5442543.963	4790460.452	652083.511
		2007	5772441.497	5018808.054	753633.442
		2008	6091911.943	5231730.508	860181.435
		2009	6413671.330	5437108.083	976563.247
		2010	6730763.530	5631698.564	1099064.97
		2011	7043614.101	5815161.219	1228452.88
		2012	7356270.780	5990113.275	1366157.50
		2013	7662551.964	6153393.834	1509158.13
		2014	7964551.465	6306723.336	1657828.13
		2015	8254895.403	6448021.965	1806873.44
		2016	8530661.848	6575090.616	1955571.23
		2017	8795826.122	6691136.003	2104690.12
		2018	9067233.707	6802392.850	2264840.86
		2019	9335343.270	6905967.514	2429375.76
		2020	9596110.883	7001818.062	2594292.82
		2021	9833186.859	7085049.744	2748137.11
		2022	10066452.037	7162024.621	2904427.42
		2023	10295503.609	7233098.639	3062404.97
		2024	10520125.318	7298453.834	3221671.48
		2025	10731915.863	7357374.562	3374541.30
		2026	10917495.549	7406463.730	3511031.82
		2027	11098620.885	7451406.430	3647214.46
		2028	11275441.234	7492653.263	3782787.97
		2029	11447962.710	7530337.052	3917625.66
		2030	11601867.623	7562780.166	4039087.46
		2031	11731666.516	7588370.463	4143296.05
		2032	11857585.969	7611711.213	4245874.76
		2033	11980128.625	7633148.148	4346980.48
		2034	12099562.464	7652802.032	4446760.43
		2035	12195919.946	7668159.114	4527760.83
		2036	12278201.969	7680391.828	4597810.14
		2037	12358146.336	7691752.978	4666393.36
		2038	12435978.633	7702375.252	4733603.38
		2039	12512468.845	7712396.126	4800072.72
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	991293.953	27925.442
		1992	1509598.614	1413244.375	96354.239
		1993	1992735.299	1784140.783	208594.516
		1994	2462877.575	2101217.531	361660.044
		1995	2928249.390	2374022.979	554226.410
		1996	3377377.730	2600004.168	777373.562
		1997	3809062.472	2786842.082	1022220.39
		1998	4222213.867	2940838.000	1281375.87
		1999	4708317.743	3095982.391	1612335.35
		2000	5182084.396	3227301.561	1954782.84
		2001	5644097.705	3336699.046	2307398.66
		2002	6107232.129	3431681.921	2675550.21
		2003	6561785.704	3513179.553	3048606.15
		2004	6996156.348	3581975.291	3414181.06
		2005	7426261.361	3642827.086	3783434.28
		2006	7849012.694	3695621.190	4153391.50
		2007	8255300.530	3741530.706	4513769.82
		2008	8650662.040	3782694.043	4867968.00
		2009	9030818.513	3819539.369	5211279.14
		2010	9403026.327	3853359.673	5549666.65
		2011	9767535.506	3884486.988	5883048.52
		2012	10123044.281	3913459.344	6209584.94
		2013	10470104.786	3940660.332	6529444.45
		2014	10807756.112	3966270.753	6841485.36
		2015	11130681.425	3990133.208	7140548.22
		2016	11448966.506	4013055.452	7435911.05

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

		2017	11758164.882	4034852.613	7723312.27
		2018	12054448.241	4055471.524	7998976.72
		2019	12341606.261	4075217.148	8266389.11
		2020	12600728.939	4092763.664	8507965.27
		2021	12861767.105	4110295.175	8751471.93
		2022	13114168.616	4127044.873	8987123.74
		2023	13357894.797	4143035.384	9214859.41
		2024	13593848.521	4158433.755	9435414.77
		2025	13789177.359	4170977.827	9618199.53
		2026	13993401.656	4184113.590	9809288.07
		2027	14190519.224	4196755.650	9993763.57
		2028	14381193.356	4208809.028	10172384.3
		2029	14565171.927	4220439.675	10344732.3
		2030	14697381.605	4228612.005	10468769.6
		2031	14842203.512	4237597.811	10604605.7
		2032	14982485.826	4246242.361	10736243.5
		2033	15118410.647	4254433.766	10863976.9
		2034	15250284.398	4262458.278	10987826.1
		2035	15322911.166	4266630.619	11056280.5
		2036	15405115.031	4271333.179	11133781.9
		2037	15484709.137	4275866.722	11208842.4
		2038	15561812.193	4280169.507	11281642.7
		2039	15635992.616	4284317.625	11351675.0
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	287009.016	8113.446
		1992	439962.920	412166.429	27796.491
		1993	584735.615	524312.742	60422.873
		1994	727640.783	622147.773	105493.010
		1995	868486.937	706843.283	161643.655
		1996	1010321.847	780079.265	230242.582
		1997	1144230.930	840704.561	303526.369
		1998	1274513.622	891888.064	382625.558
		1999	1426725.938	943982.319	482743.619
		2000	1573462.680	988074.904	585387.775
		2001	1719132.015	1025308.212	693823.803
		2002	1863006.732	1057111.307	805895.424
		2003	2002943.227	1084180.783	918762.445
		2004	2137798.705	1107044.150	1030754.55
		2005	2271071.245	1127151.819	1143919.43
		2006	2400707.731	1144161.447	1256546.28
		2007	2523634.512	1158644.150	1364990.36
		2008	2648752.232	1171974.428	1476777.80
		2009	2765973.961	1183585.103	1582388.86
		2010	2881329.235	1194277.673	1687051.56
		2011	2994972.694	1204080.560	1790892.13
		2012	3108958.829	1213363.560	1895595.27
		2013	3218140.416	1221911.481	1996228.94
		2014	3328387.914	1230238.011	2098149.90
		2015	3435342.796	1238083.143	2197259.65
		2016	3539189.408	1245463.694	2293725.71
		2017	3640041.363	1252462.662	2387578.70
		2018	3732645.362	1258792.085	2473853.28
		2019	3821421.978	1264789.434	2556632.54
		2020	3902115.950	1270134.562	2631981.39
		2021	3984301.053	1275528.863	2708772.19
		2022	4062629.299	1280640.421	2781988.88
		2023	4137348.729	1285497.693	2851851.04
		2024	4208611.493	1290117.432	2918494.06
		2025	4269419.492	1293979.339	2975440.15
		2026	4330969.998	1297888.041	3033081.96
		2027	4389134.306	1301581.473	3087552.83
		2028	4444222.970	1305077.979	3139144.99
		2029	4496447.877	1308393.825	3188054.05
		2030	4536975.698	1310878.791	3226096.91
		2031	4578338.586	1313430.405	3264908.18
		2032	4617397.784	1315860.147	3301537.64
		2033	4654407.697	1318167.550	3336240.15
		2034	4689913.454	1320375.976	3369537.48
		2035	4712518.190	1321684.713	3390833.48
		2036	4735845.827	1323038.790	3412807.04
		2037	4757958.806	1324329.528	3433629.28
		2038	4778813.806	1325558.618	3453255.19
		2039	4798769.065	1326739.475	3472029.59
	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	146629.661	2833.356
		1992	222966.278	213320.362	9645.917
		1993	296801.879	275800.619	21001.260
		1994	372453.706	335102.880	37350.826
Stroke					

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

	1995	448401.338	389941.100	58460.238
	1996	523536.301	439678.063	83858.238
	1997	596763.211	483895.953	112867.258
	1998	667546.681	522790.433	144756.249
	1999	734925.407	556432.612	178492.795
	2000	803749.361	587610.061	216139.300
	2001	870081.588	614707.265	255374.323
	2002	935347.140	638842.025	296505.115
	2003	1001627.349	660820.685	340806.664
	2004	1066587.976	680300.278	386287.697
	2005	1130548.052	697577.105	432970.947
	2006	1195132.454	713283.671	481848.783
	2007	1258974.043	727315.902	531658.141
	2008	1320124.867	739416.295	580708.572
	2009	1380776.123	750313.048	630463.075
	2010	1440048.533	760038.282	680010.251
	2011	1497484.847	768686.259	728798.588
	2012	1554496.526	776502.261	777994.266
	2013	1610819.598	783639.575	827180.022
	2014	1667484.890	790236.942	877247.947
	2015	1720948.287	796115.892	924832.395
	2016	1775699.228	801714.200	973985.028
	2017	1830250.175	806950.027	1023300.15
	2018	1875958.950	811117.491	1064841.46
	2019	1920359.232	814953.278	1105405.95
	2020	1960605.297	818304.230	1142301.07
	2021	1998912.887	821337.132	1177575.75
	2022	2036003.696	824145.402	1211858.29
	2023	2071857.536	826754.101	1245103.44
	2024	2106636.468	829200.818	1277435.65
	2025	2136450.873	831248.436	1305202.44
	2026	2164796.470	833141.283	1331655.19
	2027	2192079.608	834926.340	1357153.27
	2028	2218404.367	836605.004	1381799.36
	2029	2243769.140	838199.760	1405569.38
	2030	2263570.213	839424.558	1424145.65
	2031	2282521.590	840578.733	1441942.86
	2032	2300804.945	841675.006	1459129.94
	2033	2318464.018	842712.538	1475751.48
	2034	2335611.973	843716.119	1491895.85
	2035	2347097.290	844374.244	1502723.05
	2036	2358248.747	845006.175	1513242.57
	2037	2369033.655	845613.800	1523419.86
	2038	2379490.114	846191.654	1533298.46
	2039	2389546.238	846745.565	1542800.67
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	108594.044	2277.818
	1992	165654.454	157843.566	7810.888
	1993	220008.519	203129.855	16878.664
	1994	275706.807	245795.573	29911.234
	1995	331417.547	284883.772	46533.775
	1996	387580.161	320789.813	66790.348
	1997	442778.242	352867.499	89910.743
	1998	496117.305	381031.547	115085.758
	1999	548268.214	406047.081	142221.133
	2000	601693.202	429303.717	172389.485
	2001	652221.103	449206.721	203014.381
	2002	703022.600	467256.880	235765.720
	2003	752023.351	482991.773	269031.578
	2004	799826.733	496797.631	303029.101
	2005	847563.928	509256.040	338307.889
	2006	894205.027	520242.096	373962.930
	2007	939571.282	529882.368	409688.914
	2008	983437.578	538340.036	445097.542
	2009	1025803.786	545773.910	480029.876
	2010	1066964.934	552347.829	514617.105
	2011	1106954.044	558183.231	548770.814
	2012	1146108.461	563438.000	582670.461
	2013	1183544.689	568081.864	615462.825
	2014	1221220.945	572406.548	648814.398
	2015	1258289.311	576413.103	681876.208
	2016	1294830.207	580105.983	714724.224
	2017	1330332.626	583488.767	746843.858
	2018	1360571.987	586227.802	774344.185
	2019	1389848.723	588744.279	801104.443
	2020	1416046.192	590914.331	825131.861
	2021	1440588.850	592859.895	847728.955
	2022	1464157.934	594658.017	869499.917

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

		2023	1486810.237	596330.094	890480.143
		2024	1508591.729	597888.486	910703.243
		2025	1526875.621	599162.560	927713.061
		2026	1543659.810	600304.632	943355.178
		2027	1559623.774	601371.177	958252.597
		2028	1574852.850	602371.915	972480.936
		2029	1589437.452	603316.168	986121.284
		2030	1600568.199	604014.906	996553.293
		2031	1610776.297	604650.821	1006125.48
		2032	1620483.563	605253.491	1015230.07
		2033	1629745.442	605825.105	1023920.34
		2034	1638721.425	606372.316	1032349.11
		2035	1644649.404	606717.294	1037932.11
		2036	1650181.590	607037.675	1043143.91
		2037	1655476.066	607344.513	1048131.55
		2038	1660507.914	607638.246	1052869.67
		2039	1665361.569	607922.659	1057438.91
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	232571.672	867.160
		1992	348084.047	345098.304	2985.743
		1993	467278.318	460574.384	6703.934
		1994	584216.907	572132.972	12083.935
		1995	697391.457	678347.013	19044.444
		1996	809471.271	781766.246	27705.025
		1997	922587.668	884134.198	38453.470
		1998	1034072.457	983120.008	50952.449
		1999	1153475.399	1087028.253	66447.147
		2000	1268050.268	1184276.688	83773.580
		2001	1382786.209	1279208.563	103577.646
		2002	1497557.412	1371518.536	126038.876
		2003	1614405.229	1463209.227	151196.003
		2004	1726672.489	1548736.544	177935.945
		2005	1847277.524	1638141.470	209136.055
		2006	1961009.963	1719702.403	241307.561
		2007	2079868.908	1802049.010	277819.898
		2008	2206755.783	1887222.109	319533.674
		2009	2331993.380	1968309.784	363683.597
		2010	2455130.176	2045239.324	409890.853
		2011	2582657.849	2121847.116	460810.733
		2012	2709719.005	2195077.520	514641.485
		2013	2840547.005	2267253.858	573293.147
		2014	2971677.135	2336444.304	635232.832
		2015	3104538.983	2404614.972	699924.011
		2016	3237650.175	2469540.610	768109.565
		2017	3370561.253	2531552.230	839009.023
		2018	3503136.371	2589966.749	913169.623
		2019	3636402.758	2645673.192	990729.567
		2020	3768054.453	2698475.939	1069578.51
		2021	3897675.067	2747611.400	1150063.67
		2022	4027307.132	2793920.019	1233387.11
		2023	4156698.720	2837377.583	1319321.14
		2024	4285772.226	2878003.800	1407768.43
		2025	4410759.298	2915577.853	1495181.44
		2026	4531411.064	2949231.324	1582179.74
		2027	4651145.233	2980311.479	1670833.75
		2028	4769837.872	3008904.711	1760933.16
		2029	4887747.179	3035186.098	1852561.08
2030	4997632.895	3058607.982	1939024.91		
2031	5103301.991	3078919.611	2024382.38		
2032	5207593.613	3097386.642	2110206.97		
2033	5310556.138	3114111.037	2196445.10		
2034	5412542.816	3129328.602	2283214.21		
2035	5500522.473	3141979.001	2358543.47		
2036	5588149.640	3153349.343	2434800.30		
2037	5674667.886	3163728.211	2510939.67		
2038	5760391.289	3173224.517	2587166.77		
2039	5845459.234	3182020.626	2663438.61		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159176.465	853.045
		1992	240642.531	237737.996	2904.535
		1993	329362.093	322634.690	6727.404
		1994	418569.515	406307.970	12261.545
		1995	509110.357	489372.244	19738.113
		1996	600040.117	571003.409	29036.709
		1997	691159.071	650969.868	40189.203
		1998	782866.899	729658.052	53208.847
		1999	881526.925	812290.593	69236.333
		2000	977880.647	891094.749	86785.898

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

2001	1076787.404	969859.872	106927.531
2002	1174842.754	1045833.023	129009.730
2003	1275102.681	1121525.847	153576.834
2004	1371026.306	1192023.510	179002.796
2005	1473954.509	1265200.936	208753.573
2006	1574450.828	1334468.842	239981.986
2007	1673790.211	1400775.669	273014.543
2008	1782360.738	1470871.117	311489.621
2009	1892944.209	1539460.005	353484.204
2010	2002131.282	1604818.528	397312.754
2011	2114522.152	1669270.670	445251.482
2012	2228079.372	1731842.636	496236.735
2013	2345377.689	1793591.774	551785.915
2014	2462498.422	1852420.457	610077.965
2015	2581450.312	1910353.566	671096.746
2016	2701959.301	1966194.370	735764.931
2017	2823834.967	2019890.888	803944.079
2018	2938265.081	2068383.443	869881.638
2019	3053254.880	2114576.476	938678.404
2020	3167073.216	2158393.501	1008679.71
2021	3279517.699	2199980.342	1079537.36
2022	3392060.964	2239221.641	1152839.32
2023	3504296.171	2276084.110	1228212.06
2024	3616019.231	2310515.247	1305503.98
2025	3724611.269	2342463.644	1382147.63
2026	3827181.707	2371402.438	1455779.27
2027	3928684.441	2398174.525	1530509.92
2028	4029124.892	2422906.047	1606218.85
2029	4128269.068	2445549.413	1682719.65
2030	4221560.174	2465868.716	1755691.46
2031	4304170.584	2482728.052	1821442.53
2032	4384930.537	2497948.246	1886982.29
2033	4464357.691	2511750.112	1952607.58
2034	4542251.545	2524132.576	2018118.97
2035	4611066.648	2534560.555	2076506.09
2036	4670309.230	2542765.155	2127544.08
2037	4728179.514	2550141.770	2178037.74
2038	4785008.048	2556834.479	2228173.57
2039	4841291.793	2562926.910	2278364.88

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2545584.709	34280.649
		1992	3830683.831	3712422.947	118260.884
		1993	5076567.803	4819539.235	257028.567
		1994	6292145.526	5843928.073	448217.453
		1995	7485537.010	6794929.588	690607.421
		1996	8655955.028	7679898.413	976056.614
		1997	9791729.713	8497020.865	1294708.85
		1998	10899134.186	9259969.348	1639164.84
		1999	12070409.674	10003585.738	2066823.94
		2000	13231384.595	10710324.355	2521060.24
		2001	14371761.018	11373739.505	2998021.51
		2002	15508906.386	12004450.217	3504456.17
		2003	16638100.422	12606145.146	4031955.28
		2004	17736465.088	13172171.267	4564293.82
		2005	18834658.606	13718522.321	5116136.29
		2006	19909100.501	14228033.647	5681066.85
		2007	20958321.463	14709072.539	6249248.92
		2008	22000068.148	15172980.580	6827087.57
		2009	23018816.903	15611723.198	7407093.71
		2010	24018480.537	16026003.444	7992477.09
		2011	25003034.574	16418530.858	8584503.72
		2012	25969871.429	16787818.374	9182053.05
		2013	26920275.180	17135971.351	9784303.83
		2014	27849005.227	17461234.767	10387770.5
		2015	28749620.400	17767468.694	10982151.7
		2016	29622417.562	18046537.935	11575879.6
		2017	30462559.724	18301187.940	12161371.8
		2018	31293299.299	18545651.986	12747647.3
		2019	32109993.427	18775597.757	13334395.7
		2020	32883323.977	18989047.947	13894276.0
		2021	33610102.554	19173746.861	14436355.7
		2022	34322010.448	19346180.885	14975829.6
		2023	35018383.550	19506693.731	15511689.8
		2024	35700177.955	19656025.610	16044152.3
		2025	36315500.346	19790238.662	16525261.7
		2026	36896159.343	19904367.551	16991791.8
		2027	37462570.116	20009996.090	17452574.0
		2028	38015337.780	20107443.454	17907894.3
		2029	38554814.764	20197673.890	18357140.9
		2030	39003805.400	20274123.342	18729682.1
		2031	39436509.703	20339408.629	19097101.1
2032	39858470.458	20399728.308	19458742.1		
2033	40270147.082	20455206.214	19814940.9		
2034	40672665.743	20506895.942	20165769.8		
2035	40962732.664	20545528.092	20417204.6		
2036	41255021.653	20580743.942	20674277.7		
2037	41540573.023	20613609.970	20926963.1		
2038	41820158.066	20644190.639	21175967.4		
2039	42093547.949	20673061.709	21420486.2		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1169324.468	13246.785
		1992	1777346.679	1731715.148	45631.531
		1993	2380261.899	2280324.714	99937.185
		1994	2983130.039	2806673.085	176456.954
		1995	3588982.584	3314647.453	274335.131
		1996	4195430.235	3800478.452	394951.783
		1997	4793866.694	4263617.758	530248.936
		1998	5389747.381	4708770.136	680977.245
		1999	6006722.467	5144068.548	862653.919
		2000	6625758.871	5567269.838	1058489.03
		2001	7245135.411	5974895.832	1270239.58
		2002	7867492.021	6369773.930	1497718.09
		2003	8485051.793	6749256.927	1735794.87
		2004	9092994.774	7110503.147	1982491.63
		2005	9706032.803	7462203.042	2243829.76
		2006	10311907.548	7796707.680	2515199.87
		2007	10909437.502	8116676.108	2792761.39
		2008	11506462.491	8422756.016	3083706.47
		2009	12098393.287	8717115.233	3381278.05
		2010	12681188.981	8995732.242	3685456.74

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

		2011	13260062.991	9260738.653	3999324.34
		2012	13839417.441	9514313.393	4325104.05
		2013	14409614.758	9754086.645	4655528.11
		2014	14976658.746	9980476.299	4996182.45
		2015	15529977.821	10193170.239	5336807.58
		2016	16066640.764	10388744.763	5677896.00
		2017	16590035.078	10570464.837	6019570.24
		2018	17098716.137	10740885.832	6357830.30
		2019	17599868.850	10900773.542	6699095.31
		2020	18081346.241	11049561.879	7031784.36
		2021	18537594.460	11183274.487	7354319.97
		2022	18985300.234	11307934.535	7677365.70
		2023	19423958.747	11423906.791	8000051.96
		2024	19853347.772	11531341.742	8322006.03
		2025	20252822.245	11628778.736	8624043.51
		2026	20619307.063	11713184.381	8906122.68
		2027	20976063.406	11790939.629	9185123.78
		2028	21323641.947	11862648.650	9460993.30
		2029	21662117.106	11928414.368	9733702.74
		2030	21960971.694	11985472.796	9975498.90
		2031	22224951.983	12032053.153	10192898.8
		2032	22480397.853	12074531.037	10405866.8
		2033	22728639.455	12113481.972	10615157.5
		2034	22970448.888	12149049.988	10821398.9
		2035	23164154.188	12177173.706	10986980.5
		2036	23334538.616	12199832.488	11134706.1
		2037	23499760.723	12220674.595	11279086.1
		2038	23660308.401	12239985.731	11420322.7
		2039	23817891.273	12258006.145	11559885.1
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1175089.423	2654.690
		1992	1750034.892	1740735.726	9299.166
		1993	2319752.308	2298923.027	20829.280
		1994	2872597.339	2835225.170	37372.169
		1995	3411494.825	3352135.091	59359.734
		1996	3945569.726	3857647.357	87922.369
		1997	4463316.362	4340943.981	122372.382
		1998	4975301.180	4811542.399	163758.781
		1999	5473691.125	5261852.119	211839.006
		2000	5977500.570	5708159.023	269341.547
		2001	6474795.516	6139398.693	335396.823
		2002	6968769.705	6557867.148	410902.557
		2003	7460282.140	6963513.977	496768.163
		2004	7947048.275	7354835.421	592212.855
		2005	8430571.669	7732665.505	697906.163
		2006	8903945.390	8091130.153	812815.237
		2007	9364177.982	8428843.608	935334.373
		2008	9822525.458	8753194.339	1069331.12
		2009	10275228.886	9061967.028	1213261.86
		2010	10720275.500	9354608.414	1365667.09
		2011	11155356.373	9629536.641	1525819.73
		2012	11582611.617	9887564.925	1695046.69
		2013	11998803.791	10127908.558	1870895.23
		2014	12402087.090	10350453.857	2051633.23
		2015	12793451.706	10557394.866	2236056.84
		2016	13160101.653	10741615.470	2418486.18
		2017	13503583.414	10905795.690	2597787.72
		2018	13859755.737	11065655.721	2794100.02
		2019	14211625.176	11214900.471	2996724.71
		2020	14553935.288	11353232.624	3200702.66
		2021	14851747.495	11466834.732	3384912.76
		2022	15144531.004	11572019.139	3572511.87
		2023	15431932.496	11669111.679	3762820.82
		2024	15713920.740	11758632.343	3955288.40
		2025	15979112.816	11839378.615	4139734.20
		2026	16206550.153	11903581.490	4302968.66
		2027	16428826.050	11962498.329	4466327.72
		2028	16645902.186	12016459.713	4629442.47
		2029	16858126.517	12066067.406	4792059.11
		2030	17045220.687	12108670.116	4936550.57
		2031	17208482.610	12142547.582	5065935.03
		2032	17367586.074	12173754.335	5193831.74
		2033	17522716.280	12202427.775	5320288.51
		2034	17674226.555	12229063.875	5445162.68
		2035	17792201.734	12249553.557	5542648.18
		2036	17903508.236	12267435.777	5636072.46
		2037	18012162.345	12284189.011	5727973.33
		2038	18118464.470	12299834.853	5818629.62

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

	Female	2039	18222549.860	12314679.074	5907870.79
		1990	307897.357	307897.357	0.000
		1991	616547.418	614544.943	2002.475
		1992	931086.773	923962.592	7124.181
		1993	1246155.671	1230227.464	15928.207
		1994	1561212.934	1532370.091	28842.843
		1995	1879967.742	1833444.307	46523.435
		1996	2197488.109	2128425.946	69062.163
		1997	2515698.453	2418795.042	96903.411
		1998	2836249.556	2705784.741	130464.815
		1999	3150201.390	2981173.314	169028.076
		2000	3472722.342	3258026.609	214695.734
		2001	3796994.889	3529527.904	267466.985
		2002	4126619.935	3798333.707	328286.228
		2003	4454982.533	4059045.398	395937.136
		2004	4784343.030	4312838.042	471504.988
		2005	5113443.121	4558474.667	554968.454
		2006	5442543.963	4795385.059	647158.903
		2007	5772441.497	5024579.300	747862.197
		2008	6091911.943	5238384.618	853527.324
		2009	6413671.330	5444701.705	968969.625
		2010	6730763.530	5640272.198	1090491.33
		2011	7043614.101	5824743.875	1218870.23
		2012	7356270.780	6000744.966	1355525.81
		2013	7662551.964	6165088.238	1497463.73
		2014	7964551.465	6319498.112	1645053.35
		2015	8254895.403	6461876.820	1793018.58
		2016	8530661.848	6589991.503	1940670.34
		2017	8795826.122	6707069.358	2088756.76
		2018	9067233.707	6819379.252	2247854.45
		2019	9335343.270	6924000.987	2411342.28
		2020	9596110.883	7020890.530	2575220.35
		2021	9833186.859	7105096.833	2728090.03
		2022	10066452.037	7183025.999	2883426.04
		2023	10295503.609	7255029.769	3040473.84
		2024	10520125.318	7321285.600	3198839.72
		2025	10731915.863	7381076.880	3350838.98
		2026	10917495.549	7430942.544	3486553.00
		2027	11098620.885	7476629.062	3621991.82
		2028	11275441.234	7518587.988	3756853.25
		2029	11447962.710	7556948.449	3891014.26
		2030	11601867.623	7590026.365	4011841.26
		2031	11731666.516	7616134.275	4115532.24
		2032	11857585.969	7639959.441	4217626.53
		2033	11980128.625	7661852.456	4318276.17
		2034	12099562.464	7681931.948	4417630.52
		2035	12195919.946	7697663.272	4498256.67
		2036	12278201.969	7710187.064	4568014.91
		2037	12358146.336	7721820.051	4636326.29
		2038	12435978.633	7732698.423	4703280.21
		2039	12512468.845	7742961.029	4769507.82
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	991293.953	27925.442
		1992	1509598.614	1413261.009	96337.605
		1993	1992735.299	1784208.065	208527.234
		1994	2462877.575	2101380.715	361496.860
		1995	2928249.390	2374332.758	553916.632
		1996	3377377.730	2600504.733	776872.996
		1997	3809062.472	2787569.686	1021492.79
		1998	4222213.867	2941818.058	1280395.81
		1999	4708317.743	3097288.587	1611029.16
		2000	5182084.396	3228958.756	1953125.64
		2001	5644097.705	3338713.518	2305384.19
		2002	6107232.129	3434063.934	2673168.19
		2003	6561785.704	3515926.942	3045858.76
		2004	6996156.348	3585073.093	3411083.26
		2005	7426261.361	3646271.048	3779990.31
		2006	7849012.694	3699392.896	4149619.80
		2007	8255300.530	3745612.056	4509688.47
		2008	8650662.040	3787075.902	4863586.14
		2009	9030818.513	3824209.928	5206608.58
		2010	9403026.327	3858311.417	5544714.91
		2011	9767535.506	3889712.489	5877823.02
		2012	10123044.281	3918955.813	6204088.47
		2013	10470104.786	3946426.168	6523678.62
		2014	10807756.112	3972304.593	6835451.52
		2015	11130681.425	3996436.073	7134245.35
		2016	11448966.506	4019630.057	7429336.45

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

		2017	11758164.882	4041699.794	7716465.09
		2018	12054448.241	4062576.232	7991872.01
		2019	12341606.261	4082579.141	8259027.12
		2020	12600728.939	4100381.179	8500347.76
		2021	12861767.105	4118168.056	8743599.05
		2022	13114168.616	4135170.641	8978997.98
		2023	13357894.797	4151412.322	9206482.48
		2024	13593848.521	4167061.176	9426787.35
		2025	13789177.359	4179843.802	9609333.56
		2026	13993401.656	4193226.714	9800174.94
		2027	14190519.224	4206113.749	9984405.48
		2028	14381193.356	4218408.300	10162785.1
		2029	14565171.927	4230276.814	10334895.1
		2030	14697381.605	4238651.366	10458730.2
		2031	14842203.512	4247856.718	10594346.8
		2032	14982485.826	4256716.868	10725769.0
		2033	15118410.647	4265117.822	10853292.8
		2034	15250284.398	4273351.375	10976933.0
		2035	15322911.166	4277658.539	11045252.6
		2036	15405115.031	4282512.334	11122602.7
		2037	15484709.137	4287194.708	11197514.4
		2038	15561812.193	4291642.212	11270170.0
		2039	15635992.616	4295932.010	11340060.6
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	287009.016	8113.446
		1992	439962.920	412168.688	27794.232
		1993	584735.615	524322.140	60413.475
		1994	727640.783	622171.262	105469.521
		1995	868486.937	706888.999	161597.938
		1996	1010321.847	780155.658	230166.189
		1997	1144230.930	840818.622	303412.308
		1998	1274513.622	892046.183	382467.439
		1999	1426725.938	944199.066	482526.872
		2000	1573462.680	988355.102	585107.578
		2001	1719132.015	1025654.256	693477.759
		2002	1863006.732	1057524.247	805482.485
		2003	2002943.227	1084660.041	918283.186
		2004	2137798.705	1107587.096	1030211.61
		2005	2271071.245	1127757.135	1143314.11
		2006	2400707.731	1144824.050	1255883.68
		2007	2523634.512	1159359.499	1364275.01
		2008	2648752.232	1172741.287	1476010.95
		2009	2765973.961	1184399.988	1581573.97
		2010	2881329.235	1195139.296	1686189.94
		2011	2994972.694	1204987.193	1789985.50
		2012	3108958.829	1214314.309	1894644.52
		2013	3218140.416	1222905.106	1995235.31
		2014	3328387.914	1231275.108	2097112.81
		2015	3435342.796	1239164.613	2196178.18
		2016	3539189.408	1246589.257	2292600.15
		2017	3640041.363	1253632.291	2386409.07
		2018	3732645.362	1260003.267	2472642.10
		2019	3821421.978	1266042.080	2555379.90
		2020	3902115.950	1271428.468	2630687.48
		2021	3984301.053	1276866.393	2707434.66
		2022	4062629.299	1282021.345	2780607.95
		2023	4137348.729	1286921.843	2850426.89
		2024	4208611.493	1291584.453	2917027.04
		2025	4269419.492	1295487.835	2973931.66
		2026	4330969.998	1299439.746	3031530.25
		2027	4389134.306	1303175.324	3085958.98
		2028	4444222.970	1306713.045	3137509.92
		2029	4496447.877	1310069.067	3186378.81
		2030	4536975.698	1312590.195	3224385.50
		2031	4578338.586	1315179.319	3263159.27
		2032	4617397.784	1317645.378	3299752.41
		2033	4654407.697	1319988.018	3334419.68
		2034	4689913.454	1322230.628	3367682.83
		2035	4712518.190	1323565.538	3388952.65
		2036	4735845.827	1324946.796	3410899.03
		2037	4757958.806	1326263.685	3431695.12
		2038	4778813.806	1327518.000	3451295.81
		2039	4798769.065	1328723.281	3470045.78
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	146629.661	2833.356
		1992	222966.278	213322.726	9643.553
		1993	296801.879	275810.524	20991.354
		1994	372453.706	335128.341	37325.365

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

	1995	448401.338	389991.583	58409.755
	1996	523536.301	439763.761	83772.540
	1997	596763.211	484026.089	112737.122
	1998	667546.681	522972.688	144573.993
	1999	734925.407	556672.559	178252.848
	2000	803749.361	587917.919	215831.442
	2001	870081.588	615086.960	254994.628
	2002	935347.140	639298.778	296048.362
	2003	1001627.349	661358.499	340268.850
	2004	1066587.976	680921.391	385666.584
	2005	1130548.052	698282.580	432265.472
	2006	1195132.454	714075.264	481057.189
	2007	1258974.043	728192.942	530781.101
	2008	1320124.867	740374.542	579750.325
	2009	1380776.123	751351.429	629424.694
	2010	1440048.533	761154.638	678893.895
	2011	1497484.847	769878.317	727606.530
	2012	1554496.526	777767.180	776729.346
	2013	1610819.598	784976.234	825843.364
	2014	1667484.890	791643.554	875841.335
	2015	1720948.287	797590.855	923357.431
	2016	1775699.228	803257.401	972441.827
	2017	1830250.175	808560.532	1021689.64
	2018	1875958.950	812785.720	1063173.23
	2019	1920359.232	816676.976	1103682.26
	2020	1960605.297	820081.210	1140524.09
	2021	1998912.887	823164.016	1175748.87
	2022	2036003.696	826020.076	1209983.62
	2023	2071857.536	828674.724	1243182.81
	2024	2106636.468	831165.895	1275470.57
	2025	2136450.873	833255.420	1303195.45
	2026	2164796.470	835187.911	1329608.56
	2027	2192079.608	837011.380	1355068.23
	2028	2218404.367	838727.173	1379677.19
	2029	2243769.140	840357.940	1403411.20
	2030	2263570.213	841614.568	1421955.64
	2031	2282521.590	842799.151	1439722.44
	2032	2300804.945	843924.846	1456880.10
	2033	2318464.018	844990.861	1473473.16
	2034	2335611.973	846022.519	1489589.45
	2035	2347097.290	846702.076	1500395.21
	2036	2358248.747	847354.838	1510893.91
	2037	2369033.655	847982.906	1521050.75
	2038	2379490.114	848580.659	1530909.45
	2039	2389546.238	849153.944	1540392.29
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	108594.044	2277.818
	1992	165654.454	157844.244	7810.211
	1993	220008.519	203132.684	16875.835
	1994	275706.807	245802.756	29904.050
	1995	331417.547	284898.026	46519.521
	1996	387580.161	320814.130	66766.031
	1997	442778.242	352904.683	89873.558
	1998	496117.305	381084.121	115033.184
	1999	548268.214	406117.264	142150.950
	2000	601693.202	429394.535	172298.667
	2001	652221.103	449319.264	202901.839
	2002	703022.600	467392.817	235629.783
	2003	752023.351	483151.800	268871.551
	2004	799826.733	496982.129	302844.604
	2005	847563.928	509465.447	338098.482
	2006	894205.027	520476.720	373728.306
	2007	939571.282	530141.779	409429.503
	2008	983437.578	538623.690	444813.888
	2009	1025803.786	546081.206	479722.580
	2010	1066964.934	552678.195	514286.739
	2011	1106954.044	558536.141	548417.903
	2012	1146108.461	563812.795	582295.665
	2013	1183544.689	568477.725	615066.965
	2014	1221220.945	572823.564	648397.382
	2015	1258289.311	576851.628	681437.683
	2016	1294830.207	580565.711	714264.496
	2017	1330332.626	583969.507	746363.118
	2018	1360571.987	586726.843	773845.144
	2019	1389848.723	589261.082	800587.641
	2020	1416046.192	591448.313	824597.880
	2021	1440588.850	593410.215	847178.635
	2022	1464157.934	595224.125	868933.810

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

		2023	1486810.237	596911.512	889898.725
		2024	1508591.729	598484.686	910107.043
		2025	1526875.621	599772.729	927102.892
		2026	1543659.810	600927.737	942732.072
		2027	1559623.774	602006.690	957617.085
		2028	1574852.850	603019.384	971833.467
		2029	1589437.452	603975.158	985462.294
		2030	1600568.199	604684.148	995884.051
		2031	1610776.297	605329.526	1005446.77
		2032	1620483.563	605941.307	1014542.26
		2033	1629745.442	606521.732	1023223.71
		2034	1638721.425	607077.482	1031643.94
		2035	1644649.404	607429.200	1037220.20
		2036	1650181.590	607755.877	1042425.71
		2037	1655476.066	608068.797	1047407.27
		2038	1660507.914	608368.424	1052139.49
		2039	1665361.569	608658.582	1056702.99
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	232571.672	867.160
		1992	348084.047	345103.487	2980.561
		1993	467278.318	460597.618	6680.699
		1994	584216.907	572193.848	12023.059
		1995	697391.457	678470.157	18921.300
		1996	809471.271	781982.561	27488.709
		1997	922587.668	884481.110	38106.558
		1998	1034072.457	983636.203	50436.254
		1999	1153475.399	1087772.473	65702.926
		2000	1268050.268	1185288.657	82761.611
		2001	1382786.209	1280540.334	102245.876
		2002	1497557.412	1373220.357	124337.055
		2003	1614405.229	1465345.727	149059.502
		2004	1726672.489	1551341.362	175331.128
		2005	1847277.524	1641303.187	205974.337
		2006	1961009.963	1723435.333	237574.630
		2007	2079868.908	1806423.933	273444.976
		2008	2206755.783	1892335.797	314419.986
		2009	2331993.380	1974194.813	357798.568
		2010	2455130.176	2051928.974	403201.203
		2011	2582657.849	2129403.411	453254.437
		2012	2709719.005	2203530.456	506188.549
		2013	2840547.005	2276660.392	563886.613
		2014	2971677.135	2346832.763	624844.372
		2015	3104538.983	2416046.900	688492.083
		2016	3237650.175	2482035.007	755615.168
		2017	3370561.253	2545131.924	825429.329
		2018	3503136.371	2604634.314	898502.058
		2019	3636402.758	2661441.169	974961.589
		2020	3768054.453	2715352.934	1052701.52
		2021	3897675.067	2765580.057	1132095.01
		2022	4027307.132	2812971.030	1214336.10
		2023	4156698.720	2857495.006	1299203.71
		2024	4285772.226	2899166.196	1386606.03
		2025	4410759.298	2937760.825	1472998.47
		2026	4531411.064	2972371.437	1559039.63
		2027	4651145.233	3004372.633	1646772.60
		2028	4769837.872	3033848.269	1735989.60
		2029	4887747.179	3060971.731	1826775.45
2030	4997632.895	3085187.291	1912445.60		
2031	5103301.991	3106205.178	1997096.81		
2032	5207593.613	3125332.259	2082261.35		
2033	5310556.138	3142669.757	2167886.38		
2034	5412542.816	3158458.173	2254084.64		
2035	5500522.473	3171613.920	2328908.55		
2036	5588149.640	3183440.995	2404708.65		
2037	5674667.886	3194243.346	2480424.54		
2038	5760391.289	3204132.915	2556258.37		
2039	5845459.234	3213296.681	2632162.55		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159176.465	853.045
		1992	240642.531	237739.624	2902.907
		1993	329362.093	322642.425	6719.668
		1994	418569.515	406328.975	12240.540
		1995	509110.357	489416.121	19694.236
		1996	600040.117	571082.718	28957.399
		1997	691159.071	651099.411	40059.659
		1998	782866.899	729855.091	53011.807
		1999	881526.925	812578.904	68948.022
		2000	977880.647	891493.593	86387.055

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

2001	1076787.404	970394.408	106392.996
2002	1174842.754	1046523.158	128319.595
2003	1275102.681	1122399.689	152702.992
2004	1371026.306	1193095.879	177930.426
2005	1473954.509	1266505.794	207448.715
2006	1574450.828	1336021.850	238428.978
2007	1673790.211	1402595.530	271194.682
2008	1782360.738	1473006.420	309354.317
2009	1892944.209	1541932.334	351011.875
2010	2002131.282	1607642.553	394488.729
2011	2114522.152	1672471.444	442050.709
2012	2228079.372	1735441.322	492638.049
2013	2345377.689	1797615.577	547762.112
2014	2462498.422	1856879.516	605618.906
2015	2581450.312	1915277.178	666173.134
2016	2701959.301	1971598.292	730361.009
2017	2823834.967	2025793.681	798041.287
2018	2938265.081	2074776.470	863488.610
2019	3053254.880	2121469.393	931785.487
2020	3167073.216	2165794.568	1001278.65
2021	3279517.699	2207901.046	1071616.65
2022	3392060.964	2247663.066	1144397.90
2023	3504296.171	2285043.666	1219252.50
2024	3616019.231	2319987.002	1296032.23
2025	3724611.269	2352441.293	1372169.98
2026	3827181.707	2381874.354	1445307.35
2027	3928684.441	2409128.554	1519555.89
2028	4029124.892	2434328.233	1594796.66
2029	4128269.068	2457421.694	1670847.37
2030	4221560.174	2478172.088	1743388.09
2031	4304170.584	2495410.032	1808760.55
2032	4384930.537	2510984.912	1873945.63
2033	4464357.691	2525119.766	1939237.92
2034	4542251.545	2537809.930	2004441.61
2035	4611066.648	2548515.697	2062550.95
2036	4670309.230	2556942.750	2113366.48
2037	4728179.514	2564522.062	2163657.45
2038	4785008.048	2571400.885	2213607.16
2039	4841291.793	2577663.254	2263628.54

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	159880.750	284030.284
		35-39	1146798.555	431720.712	715077.843
		40-44	2609591.408	988245.752	1621345.66
		45-49	4775841.753	1826264.445	2949577.31
		50-54	7446969.205	3089308.008	4357661.20
		55-59	8240205.925	3995132.004	4245073.92
		60-64	8772829.118	4725777.781	4047051.34
		65-69	6161494.678	3748214.954	2413279.72
		70-74	2495906.274	1581626.591	914279.682
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	100134.215	129006.346
		35-39	570217.942	256485.539	313732.403
		40-44	1267538.938	568060.294	699478.644
		45-49	2340070.698	1056408.667	1283662.03
		50-54	3743803.613	1748136.317	1995667.30
		55-59	4591478.168	2328156.490	2263321.68
		60-64	5207367.788	2779214.680	2428153.11
		65-69	4092181.394	2341884.370	1750297.02
70-74		1776092.171	1031504.598	744587.572	
Lung cancer	Males	30-34	66065.017	42958.600	23106.417
		35-39	232509.414	158424.396	74085.019
		40-44	688628.041	464808.675	223819.366
		45-49	1528300.367	1002931.801	525368.566
		50-54	2730187.229	1774627.587	955559.642
		55-59	3909101.673	2547385.415	1361716.26
		60-64	4287716.660	2903548.183	1384168.48
		65-69	3467897.115	2408644.948	1059252.17
		70-74	1312144.343	929757.574	382386.769
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	32913.877	18999.236
		35-39	189792.904	124786.934	65005.970
		40-44	527596.573	333794.312	193802.261
		45-49	1122524.269	686648.419	435875.850
		50-54	1882214.322	1135602.743	746611.579
		55-59	2595581.943	1561236.326	1034345.62
		60-64	2846273.090	1759931.738	1086341.35
		65-69	2358758.394	1481064.850	877693.544
70-74		937814.238	596416.927	341397.311	
IHD	Males	30-34	263834.566	65400.209	198434.357
		35-39	692140.150	171137.742	521002.409
		40-44	1519708.432	343499.073	1176209.36
		45-49	2568546.697	524247.466	2044299.23
		50-54	3632929.903	845844.854	2787085.05
		55-59	2807892.356	764559.103	2043333.25
		60-64	2599825.934	896286.899	1703539.03
		65-69	1113578.307	459403.964	654174.343
		70-74	437536.271	213938.315	223597.956
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	19948.946	59700.151
		35-39	193965.908	42914.386	151051.522
		40-44	403380.974	80073.268	323307.706
		45-49	671385.408	124865.188	546520.220
		50-54	1011875.989	227181.959	784694.030
		55-59	849875.715	232218.131	617657.584
		60-64	925490.876	316141.203	609349.674
		65-69	455463.881	185760.818	269703.063
70-74		207681.216	97635.576	110045.641	
Stroke	Males	30-34	73463.650	31479.533	41984.117
		35-39	151934.057	65433.207	86500.850
		40-44	262845.974	107318.626	155527.349
		45-49	383421.246	145288.289	238132.957
		50-54	479872.634	163443.184	316429.450
		55-59	437124.903	137090.224	300034.679
		60-64	419457.235	134647.197	284810.037
		65-69	128180.574	42867.963	85312.611
		70-74	53245.965	19177.342	34068.623
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	29147.046	33772.044

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

		35-39	120806.205	53547.548	67258.658
		40-44	203391.885	83044.582	120347.303
		45-49	278172.097	105048.262	173123.836
		50-54	325979.181	114638.653	211340.528
		55-59	275161.340	90280.144	184881.195
		60-64	268920.493	88695.081	180225.412
		65-69	87956.054	29448.048	58508.005
		70-74	42055.224	14073.294	27981.929
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	20042.408	20505.393
		35-39	70214.933	36725.368	33489.566
		40-44	138408.960	72619.378	65789.582
		45-49	295573.443	153796.889	141776.554
		50-54	603979.438	305392.383	298587.056
		55-59	1086086.992	546097.261	539989.731
		60-64	1465829.290	791295.502	674533.788
		65-69	1451838.682	837298.079	614540.603
		70-74	692979.695	418753.360	274226.335
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	18124.346	16534.915
		35-39	65652.924	35236.671	30416.253
		40-44	133169.505	71148.131	62021.374
		45-49	267988.924	139846.798	128142.126
		50-54	523734.121	270712.962	253021.159
		55-59	870859.170	444421.887	426437.282
		60-64	1166683.329	614446.658	552236.670
		65-69	1190003.066	645610.654	544392.412
		70-74	588541.493	323378.802	265162.692
		75-79	0.000	0.000	0.000

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	159895.230	284015.804
		35-39	1146798.555	431838.685	714959.870
		40-44	2609591.408	989078.595	1620512.81
		45-49	4775841.753	1830235.131	2945606.62
		50-54	7446969.205	3101683.948	4345285.26
		55-59	8240205.925	4015918.912	4224287.01
		60-64	8772829.118	4762423.001	4010406.12
		65-69	6161494.678	3781246.583	2380248.10
		70-74	2495906.274	1600741.624	895164.650
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	100138.265	129002.296
		35-39	570217.942	256517.648	313700.294
		40-44	1267538.938	568273.476	699265.462
		45-49	2340070.698	1057380.997	1282689.70
		50-54	3743803.613	1751290.011	1992513.60
		55-59	4591478.168	2334495.934	2256982.23
		60-64	5207367.788	2792094.966	2415272.82
		65-69	4092181.394	2356439.462	1735741.93
70-74		1776092.171	1041375.386	734716.785	
Lung cancer	Males	30-34	66065.017	42962.759	23102.259
		35-39	232509.414	158472.809	74036.605
		40-44	688628.041	465247.511	223380.530
		45-49	1528300.367	1005312.178	522988.189
		50-54	2730187.229	1782378.535	947808.695
		55-59	3909101.673	2561536.478	1347565.20
		60-64	4287716.660	2927550.847	1360165.81
		65-69	3467897.115	2430075.708	1037821.41
		70-74	1312144.343	941142.250	371002.093
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	32915.415	18997.698
		35-39	189792.904	124803.957	64988.947
		40-44	527596.573	333929.361	193667.213
		45-49	1122524.269	687308.195	435216.074
		50-54	1882214.322	1137743.849	744470.473
		55-59	2595581.943	1565620.112	1029961.83
		60-64	2846273.090	1768371.169	1077901.92
		65-69	2358758.394	1490191.425	868566.969
70-74		937814.238	602077.547	335736.691	
IHD	Males	30-34	263834.566	65406.087	198428.479
		35-39	692140.150	171179.041	520961.109
		40-44	1519708.432	343735.631	1175972.80
		45-49	2568546.697	525134.810	2043411.89
		50-54	3632929.903	848211.078	2784718.83
		55-59	2807892.356	766733.305	2041159.05
		60-64	2599825.934	899645.763	1700180.17
		65-69	1113578.307	460992.029	652586.278
		70-74	437536.271	214894.265	222642.006
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	19949.730	59699.367
		35-39	193965.908	42919.311	151046.596
		40-44	403380.974	80098.389	323282.585
		45-49	671385.408	124954.359	546431.049
		50-54	1011875.989	227443.169	784432.820
		55-59	849875.715	232520.397	617355.318
		60-64	925490.876	316754.519	608736.357
		65-69	455463.881	186146.921	269316.961
70-74		207681.216	97936.486	109744.730	
Stroke	Males	30-34	73463.650	31481.869	41981.781
		35-39	151934.057	65448.531	86485.526
		40-44	262845.974	107394.668	155451.307
		45-49	383421.246	145545.831	237875.415
		50-54	479872.634	163973.204	315899.430
		55-59	437124.903	137613.372	299511.531
		60-64	419457.235	135353.414	284103.820
		65-69	128180.574	43063.025	85117.549
		70-74	53245.965	19280.031	33965.934
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	29147.948	33771.142

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_2.RTF)

		35-39	120806.205	53552.590	67253.616	
		40-44	203391.885	83066.837	120325.049	
		45-49	278172.097	105114.741	173057.356	
		50-54	325979.181	114775.441	211203.740	
		55-59	275161.340	90427.358	184733.982	
		60-64	268920.493	88921.161	179999.332	
		65-69	87956.054	29526.545	58429.508	
		70-74	42055.224	14125.960	27929.263	
		75-79	0.000	0.000	0.000	
COPD	Males	30-34	40547.801	20044.515	20503.286	
		35-39	70214.933	36738.305	33476.629	
		40-44	138408.960	72700.785	65708.175	
		45-49	295573.443	154242.311	141331.132	
		50-54	603979.438	307121.132	296858.307	
		55-59	1086086.992	550035.758	536051.235	
		60-64	1465829.290	799872.977	665956.313	
		65-69	1451838.682	847115.820	604722.862	
		70-74	692979.695	425425.077	267554.617	
		75-79	0.000	0.000	0.000	
		Female	30-34	34659.261	18125.172	16534.089
			35-39	65652.924	35241.790	30411.135
			40-44	133169.505	71178.890	61990.616
			45-49	267988.924	140003.702	127985.222
			50-54	523734.121	271327.552	252406.569
			55-59	870859.170	445928.068	424931.102
			60-64	1166683.329	618048.118	548635.211
			65-69	1190003.066	650574.571	539428.495
			70-74	588541.493	327235.393	261306.101
		75-79	0.000	0.000	0.000	

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

Estimated Loss of Life from the E Component for Run: 4, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	23303274.220	18790273.7
	Female	2039	23817891.273	13905884.713	9912006.56
Lung cancer	Males	2039	18222549.860	13164462.422	5058087.44
	Female	2039	12512468.845	8508738.279	4003730.57
IHD	Males	2039	15635992.616	5621970.941	10014021.7
	Female	2039	4798769.065	1773611.161	3025157.90
Stroke	Males	2039	2389546.238	1030497.534	1359048.70
	Female	2039	1665361.569	758594.548	906767.021
COPD	Males	2039	5845459.234	3486343.322	2359115.91
	Female	2039	4841291.793	2864940.725	1976351.07

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	23411081.106	18682466.8
	Female	2039	23817891.273	13946690.314	9871200.96
Lung cancer	Males	2039	18222549.860	13232023.068	4990526.79
	Female	2039	12512468.845	8534353.880	3978114.97
IHD	Males	2039	15635992.616	5632991.698	10003000.9
	Female	2039	4798769.065	1775465.098	3023303.97
Stroke	Males	2039	2389546.238	1032701.794	1356844.44
	Female	2039	1665361.569	759275.144	906086.426
COPD	Males	2039	5845459.234	3513364.546	2332094.69
	Female	2039	4841291.793	2877596.193	1963695.60

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2567841.030	12024.328
		1992	3830683.831	3786065.883	44617.949
		1993	5076567.803	4972703.171	103864.632
		1994	6292145.526	6098416.082	193729.445
		1995	7485537.010	7167705.178	317831.832
		1996	8655955.028	8178974.129	476980.898
		1997	9791729.713	9123218.808	668510.905
		1998	10899134.186	10009300.941	889833.245
		1999	12070409.674	10889211.507	1181198.17
		2000	13231384.595	11725819.389	1505565.21
		2001	14371761.018	12510215.439	1861545.58
		2002	15508906.386	13255026.034	2253880.35
		2003	16638100.422	13962488.337	2675612.09
		2004	17736465.088	14624916.820	3111548.27
		2005	18834658.606	15261987.807	3572670.80
		2006	19909100.501	15855100.955	4053999.55
		2007	20958321.463	16413019.001	4545302.46
		2008	22000068.148	16949273.033	5050795.12
		2009	23018816.903	17455742.034	5563074.87
		2010	24018480.537	17933432.234	6085048.30
		2011	25003034.574	18385613.714	6617420.86
		2012	25969871.429	18811078.894	7158792.53
		2013	26920275.180	19211937.794	7708337.39
		2014	27849005.227	19586956.860	8262048.37
		2015	28749620.400	19939905.317	8809715.08
		2016	29622417.562	20262010.929	9360406.63
		2017	30462559.724	20556034.351	9906525.37
		2018	31293299.299	20838379.937	10454919.4
		2019	32109993.427	21104579.002	11005414.4
		2020	32883323.977	21352047.319	11531276.7
		2021	33610102.554	21565804.744	12044297.8
		2022	34322010.448	21765633.073	12556377.4
		2023	35018383.550	21951696.431	13066687.1
		2024	35700177.955	22125247.834	13574930.1
		2025	36315500.346	22281587.180	14033913.2
		2026	36896159.343	22414040.475	14482118.9
		2027	37462570.116	22536648.548	14925921.6
		2028	38015337.780	22649726.105	15365611.7
		2029	38554814.764	22754627.580	15800187.2
		2030	39003805.400	22843923.068	16159882.3
		2031	39436509.703	22919709.196	16516800.5
2032	39858470.458	22989515.521	16868954.9		
2033	40270147.082	23053500.689	17216646.4		
2034	40672665.743	23113009.724	17559656.0		
2035	40962732.664	23157910.273	17804822.4		
2036	41255021.653	23198446.811	18056574.8		
2037	41540573.023	23236000.412	18304572.6		
2038	41820158.066	23270704.698	18549453.4		
2039	42093547.949	23303274.220	18790273.7		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1178210.284	4360.969
		1992	1777346.679	1760947.650	16399.029
		1993	2380261.899	2341353.109	38908.790
		1994	2983130.039	2909336.110	73793.929
		1995	3588982.584	3466481.325	122501.259
		1996	4195430.235	4008031.101	187399.134
		1997	4793866.694	4528597.179	265269.515
		1998	5389747.381	5032414.122	357333.259
		1999	6006722.467	5532135.563	474586.904
		2000	6625758.871	6019156.628	606602.242
		2001	7245135.411	6489711.597	755423.814
		2002	7867492.021	6946270.133	921221.887
		2003	8485051.793	7384873.035	1100178.76
		2004	9092994.774	7802778.193	1290216.58
		2005	9706032.803	8210226.053	1495806.75
		2006	10311907.548	8598449.636	1713457.91
		2007	10909437.502	8969963.016	1939474.49
		2008	11506462.491	9326037.657	2180424.83
		2009	12098393.287	9669190.747	2429202.54
		2010	12681188.981	9994756.362	2686432.62

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

		2011	13260062.991	10305307.169	2954755.82
		2012	13839417.441	10603261.310	3236156.13
		2013	14409614.758	10885898.429	3523716.33
		2014	14976658.746	11153845.870	3822812.88
		2015	15529977.821	11406075.481	4123902.34
		2016	16066640.764	11638854.426	4427786.34
		2017	16590035.078	11855734.393	4734300.68
		2018	17098716.137	12060033.360	5038682.78
		2019	17599868.850	12252514.207	5347354.64
		2020	18081346.241	12432229.595	5649116.65
		2021	18537594.460	12593548.186	5944046.27
		2022	18985300.234	12744405.423	6240894.81
		2023	19423958.747	12885233.735	6538725.01
		2024	19853347.772	13016133.071	6837214.70
		2025	20252822.245	13135307.217	7117515.03
		2026	20619307.063	13238159.965	7381147.10
		2027	20976063.406	13333096.925	7642966.48
		2028	21323641.947	13420899.529	7902742.42
		2029	21662117.106	13501516.656	8160600.45
		2030	21960971.694	13571948.417	8389023.28
		2031	22224951.983	13629149.215	8595802.77
		2032	22480397.853	13681322.629	8799075.22
		2033	22728639.455	13729161.248	8999478.21
		2034	22970448.888	13772648.415	9197800.47
		2035	23164154.188	13807534.857	9356619.33
		2036	23334538.616	13835378.033	9499160.58
		2037	23499760.723	13860871.839	9638888.88
		2038	23660308.401	13884318.723	9775989.68
		2039	23817891.273	13905884.713	9912006.56
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1176812.874	931.239
		1992	1750034.892	1746533.954	3500.938
		1993	2319752.308	2311335.142	8417.165
		1994	2872597.339	2856473.366	16123.973
		1995	3411494.825	3384357.383	27137.443
		1996	3945569.726	3903112.328	42457.398
		1997	4463316.362	4401327.407	61988.956
		1998	4975301.180	4888745.746	86555.435
		1999	5473691.125	5357358.704	116332.421
		2000	5977500.570	5824340.816	153159.754
		2001	6474795.516	6277902.438	196893.078
		2002	6968769.705	6720467.102	248302.603
		2003	7460282.140	7151994.455	308287.685
		2004	7947048.275	7570543.414	376504.861
		2005	8430571.669	7977057.142	453514.526
		2006	8903945.390	8365042.983	538902.407
		2007	9364177.982	8732574.752	631603.230
		2008	9822525.458	9087838.419	734687.039
		2009	10275228.886	9428240.986	846987.900
		2010	10720275.500	9752712.568	967562.933
		2011	11155356.373	10059423.240	1095933.13
		2012	11582611.617	10349156.421	1233455.20
		2013	11998803.791	10620641.638	1378162.15
		2014	12402087.090	10873601.795	1528485.29
		2015	12793451.706	11109986.948	1683464.76
		2016	13160101.653	11321634.864	1838466.79
		2017	13503583.414	11511145.628	1992437.79
		2018	13859755.737	11696745.355	2163010.38
		2019	14211625.176	11871025.881	2340599.29
		2020	14553935.288	12033169.613	2520765.67
		2021	14851747.495	12166591.947	2685155.55
		2022	15144531.004	12290547.262	2853983.74
		2023	15431932.496	12405240.447	3026692.05
		2024	15713920.740	12511413.080	3202507.66
		2025	15979112.816	12607300.440	3371812.38
		2026	16206550.153	12683495.216	3523054.94
		2027	16428826.050	12753418.985	3675407.07
		2028	16645902.186	12817386.409	3828515.78
		2029	16858126.517	12876243.509	3981883.01
		2030	17045220.687	12926768.030	4118452.66
		2031	17208482.610	12966718.869	4241763.74
		2032	17367586.074	13003301.317	4364284.76
		2033	17522716.280	13036684.160	4486032.12
		2034	17674226.555	13067541.266	4606685.29
		2035	17792201.734	13091241.269	4700960.46
		2036	17903508.236	13111646.044	4791862.19
		2037	18012162.345	13130549.588	4881612.76
		2038	18118464.470	13148022.414	4970442.06

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

		2039	18222549.860	13164462.422	5058087.44
	Female	1990	307897.357	307897.357	0.000
		1991	616547.418	615911.140	636.278
		1992	931086.773	928598.062	2488.711
		1993	1246155.671	1240124.227	6031.444
		1994	1561212.934	1549499.975	11712.960
		1995	1879967.742	1859847.722	20120.020
		1996	2197488.109	2165916.446	31571.664
		1997	2515698.453	2469121.789	46576.664
		1998	2836249.556	2770728.060	65521.496
		1999	3150201.390	3061965.933	88235.457
		2000	3472722.342	3356617.273	116105.070
		2001	3796994.889	3647603.749	149391.141
		2002	4126619.935	3937669.657	188950.278
		2003	4454982.533	4220761.496	234221.038
		2004	4784343.030	4498294.379	286048.651
		2005	5113443.121	4768856.858	344586.262
		2006	5442543.963	5031881.176	410662.787
		2007	5772441.497	5288139.357	484302.140
		2008	6091911.943	5528814.641	563097.302
		2009	6413671.330	5763072.058	650599.272
		2010	6730763.530	5986597.579	744165.951
		2011	7043614.101	6199032.751	844581.350
		2012	7356270.780	6403161.486	953109.294
		2013	7662551.964	6595225.183	1067326.78
		2014	7964551.465	6776981.884	1187569.58
		2015	8254895.403	6945430.598	1309464.80
		2016	8530661.848	7098036.154	1432625.69
		2017	8795826.122	7238275.753	1557550.37
		2018	9067233.707	7373936.673	1693297.03
		2019	9335343.270	7501142.672	1834200.60
		2020	9596110.883	7619525.970	1976584.91
		2021	9833186.859	7722510.281	2110676.58
		2022	10066452.037	7818232.989	2248219.05
		2023	10295503.609	7907064.415	2388439.19
		2024	10520125.318	7989104.672	2531020.65
		2025	10731915.863	8063384.261	2668531.60
		2026	10917495.549	8125165.754	2792329.79
		2027	11098620.885	8181826.533	2916794.35
		2028	11275441.234	8233922.739	3041518.50
		2029	11447962.710	8281482.414	3166480.30
		2030	11601867.623	8322673.259	3279194.36
		2031	11731666.516	8354967.590	3376698.93
		2032	11857585.969	8384345.021	3473240.95
		2033	11980128.625	8411226.733	3568901.89
		2034	12099562.464	8435638.158	3663924.31
		2035	12195919.946	8454931.719	3740988.23
		2036	12278201.969	8470064.499	3808137.47
		2037	12358146.336	8483983.971	3874162.36
		2038	12435978.633	8496843.922	3939134.71
		2039	12512468.845	8508738.279	4003730.57
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1009438.169	9781.225
		1992	1509598.614	1473327.008	36271.606
		1993	1992735.299	1908751.270	83984.029
		1994	2462877.575	2307235.841	155641.733
		1995	2928249.390	2674268.308	253981.082
		1996	3377377.730	2998878.631	378499.099
		1997	3809062.472	3282588.707	526473.765
		1998	4222213.867	3527308.375	694905.492
		1999	4708317.743	3784743.003	923574.740
		2000	5182084.396	4009278.075	1172806.32
		2001	5644097.705	4201768.656	1442329.05
		2002	6107232.129	4371535.606	1735696.52
		2003	6561785.704	4517824.262	2043961.44
		2004	6996156.348	4641485.825	2354670.52
		2005	7426261.361	4750192.138	2676069.22
		2006	7849012.694	4843716.682	3005296.01
		2007	8255300.530	4923601.542	3331698.99
		2008	8650662.040	4993418.775	3657243.27
		2009	9030818.513	5054153.351	3976665.16
		2010	9403026.327	5108019.401	4295006.93
		2011	9767535.506	5155751.767	4611783.74
		2012	10123044.281	5198421.890	4924622.39
		2013	10470104.786	5236640.437	5233464.35
		2014	10807756.112	5271347.829	5536408.28
		2015	11130681.425	5302637.201	5828044.22
		2016	11448966.506	5331595.727	6117370.78

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

		2017	11758164.882	5358245.203	6399919.68
		2018	12054448.241	5382391.131	6672057.11
		2019	12341606.261	5404951.127	6936655.13
		2020	12600728.939	5424688.673	7176040.27
		2021	12861767.105	5443872.182	7417894.92
		2022	13114168.616	5461899.900	7652268.72
		2023	13357894.797	5478771.441	7879123.36
		2024	13593848.521	5494845.452	8099003.07
		2025	13789177.359	5507869.809	8281307.55
		2026	13993401.656	5521327.733	8472073.92
		2027	14190519.224	5534189.321	8656329.90
		2028	14381193.356	5546385.631	8834807.72
		2029	14565171.927	5558133.150	9007038.78
		2030	14697381.605	5566370.181	9131011.42
		2031	14842203.512	5575376.834	9266826.68
		2032	14982485.826	5584015.659	9398470.17
		2033	15118410.647	5592189.732	9526220.91
		2034	15250284.398	5600222.128	9650062.27
		2035	15322911.166	5604374.232	9718536.93
		2036	15405115.031	5609048.418	9796066.61
		2037	15484709.137	5613550.480	9871158.66
		2038	15561812.193	5617830.802	9943981.39
		2039	15635992.616	5621970.941	10014021.7
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	292418.822	2703.641
		1992	439962.920	429911.656	10051.264
		1993	584735.615	561126.733	23608.882
		1994	727640.783	683432.803	44207.980
		1995	868486.937	796167.553	72319.384
		1996	1010321.847	900678.583	109643.265
		1997	1144230.930	991684.367	152546.563
		1998	1274513.622	1072354.247	202159.375
		1999	1426725.938	1157894.388	268831.550
		2000	1573462.680	1232634.587	340828.092
		2001	1719132.015	1298231.538	420900.477
		2002	1863006.732	1355576.847	507429.885
		2003	2002943.227	1404976.540	597966.687
		2004	2137798.705	1447192.979	690605.726
		2005	2271071.245	1484374.216	786697.029
		2006	2400707.731	1515990.246	884717.485
		2007	2523634.512	1542627.932	981006.580
		2008	2648752.232	1566687.372	1082064.86
		2009	2765973.961	1587098.650	1178875.31
		2010	2881329.235	1605299.934	1276029.30
		2011	2994972.694	1621424.968	1373547.73
		2012	3108958.829	1636038.861	1472919.97
		2013	3218140.416	1648956.401	1569184.02
		2014	3328387.914	1661007.300	1667380.61
		2015	3435342.796	1672018.277	1763324.52
		2016	3539189.408	1682011.055	1857178.35
		2017	3640041.363	1691170.307	1948871.06
		2018	3732645.362	1699181.686	2033463.68
		2019	3821421.978	1706536.720	2114885.26
		2020	3902115.950	1712980.723	2189135.23
		2021	3984301.053	1719310.531	2264990.52
		2022	4062629.299	1725151.899	2337477.40
		2023	4137348.729	1730567.011	2406781.72
		2024	4208611.493	1735605.190	2473006.30
		2025	4269419.492	1739801.629	2529617.86
		2026	4330969.998	1743984.252	2586985.75
		2027	4389134.306	1747882.630	2641251.68
		2028	4444222.970	1751539.142	2692683.83
		2029	4496447.877	1754964.760	2741483.12
		2030	4536975.698	1757545.095	2779430.60
		2031	4578338.586	1760173.283	2818165.30
		2032	4617397.784	1762651.076	2854746.71
		2033	4654407.697	1764990.411	2889417.29
		2034	4689913.454	1767205.772	2922707.68
		2035	4712518.190	1768537.210	2943980.98
		2036	4735845.827	1769906.622	2965939.20
		2037	4757958.806	1771205.249	2986753.56
		2038	4778813.806	1772437.936	3006375.87
		2039	4798769.065	1773611.161	3025157.90
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148450.303	1012.715
		1992	222966.278	219223.809	3742.469
		1993	296801.879	288007.669	8794.209
		1994	372453.706	355652.566	16801.140

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

	1995	448401.338	420357.214	28044.124
	1996	523536.301	480886.077	42650.224
	1997	596763.211	536275.556	60487.655
	1998	667546.681	586289.078	81257.603
	1999	734925.407	630556.856	104368.551
	2000	803749.361	672477.212	131272.149
	2001	870081.588	709598.212	160483.376
	2002	935347.140	743127.773	192219.367
	2003	1001627.349	774116.711	227510.638
	2004	1066587.976	801889.419	264698.556
	2005	1130548.052	826738.319	303809.733
	2006	1195132.454	849459.825	345672.629
	2007	1258974.043	869833.958	389140.086
	2008	1320124.867	887449.872	432674.995
	2009	1380776.123	903321.858	477454.266
	2010	1440048.533	917460.384	522588.149
	2011	1497484.847	929950.548	567534.298
	2012	1554496.526	941163.385	613333.142
	2013	1610819.598	951274.653	659544.945
	2014	1667484.890	960539.120	706945.769
	2015	1720948.287	968682.128	752266.159
	2016	1775699.228	976310.556	799388.672
	2017	1830250.175	983323.572	846926.603
	2018	1875958.950	988803.269	887155.681
	2019	1920359.232	993764.126	926595.106
	2020	1960605.297	998024.810	962580.488
	2021	1998912.887	1001811.887	997101.000
	2022	2036003.696	1005254.564	1030749.13
	2023	2071857.536	1008385.610	1063471.93
	2024	2106636.468	1011279.549	1095356.92
	2025	2136450.873	1013667.699	1122783.17
	2026	2164796.470	1015837.842	1148958.63
	2027	2192079.608	1017851.973	1174227.64
	2028	2218404.367	1019718.786	1198685.58
	2029	2243769.140	1021474.240	1222294.90
	2030	2263570.213	1022807.868	1240762.34
	2031	2282521.590	1024050.518	1258471.07
	2032	2300804.945	1025219.736	1275585.21
	2033	2318464.018	1026315.067	1292148.95
	2034	2335611.973	1027369.659	1308242.31
	2035	2347097.290	1028055.210	1319042.08
	2036	2358248.747	1028709.810	1329538.94
	2037	2369033.655	1029335.559	1339698.10
	2038	2379490.114	1029929.116	1349561.00
	2039	2389546.238	1030497.534	1359048.70
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110114.012	757.850
	1992	165654.454	162785.607	2868.848
	1993	220008.519	213247.867	6760.652
	1994	275706.807	262771.099	12935.708
	1995	331417.547	309886.082	21531.465
	1996	387580.161	354738.078	32842.083
	1997	442778.242	396144.817	46633.425
	1998	496117.305	433563.245	62554.060
	1999	548268.214	467640.004	80628.210
	2000	601693.202	500068.606	101624.595
	2001	652221.103	528391.631	123829.472
	2002	703022.600	554530.898	148491.702
	2003	752023.351	577624.089	174399.262
	2004	799826.733	598186.863	201639.870
	2005	847563.928	616923.004	230640.925
	2006	894205.027	633558.717	260646.309
	2007	939571.282	648237.258	291334.024
	2008	983437.578	661147.280	322290.298
	2009	1025803.786	672503.134	353300.652
	2010	1066964.934	682525.860	384439.074
	2011	1106954.044	691366.875	415587.170
	2012	1146108.461	699257.673	446850.788
	2013	1183544.689	706153.212	477391.477
	2014	1221220.945	712499.234	508721.711
	2015	1258289.311	718303.777	539985.534
	2016	1294830.207	723570.270	571259.938
	2017	1330332.626	728307.925	602024.701
	2018	1360571.987	732081.973	628490.014
	2019	1389848.723	735479.593	654369.129
	2020	1416046.192	738370.376	677675.816
	2021	1440588.850	740913.403	699675.447
	2022	1464157.934	743214.320	720943.615

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

		2023	1486810.237	745310.886	741499.351
		2024	1508591.729	747221.503	761370.226
		2025	1526875.621	748769.459	778106.162
		2026	1543659.810	750131.423	793528.387
		2027	1559623.774	751380.211	808243.564
		2028	1574852.850	752534.810	822318.041
		2029	1589437.452	753602.322	835835.130
		2030	1600568.199	754391.747	846176.453
		2031	1610776.297	755100.002	855676.294
		2032	1620483.563	755760.847	864722.716
		2033	1629745.442	756379.943	873365.499
		2034	1638721.425	756962.689	881758.736
		2035	1644649.404	757332.854	887316.550
		2036	1650181.590	757672.773	892508.817
		2037	1655476.066	757995.485	897480.581
		2038	1660507.914	758302.163	902205.750
		2039	1665361.569	758594.548	906767.021
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233139.684	299.149
		1992	348084.047	346981.112	1102.935
		1993	467278.318	464609.090	2669.228
		1994	584216.907	579054.309	5162.598
		1995	697391.457	688722.273	8669.183
		1996	809471.271	796097.094	13374.177
		1997	922587.668	903027.138	19560.530
		1998	1034072.457	1006957.742	27114.715
		1999	1153475.399	1116552.944	36922.455
		2000	1268050.268	1219723.286	48326.982
		2001	1382786.209	1320946.133	61840.077
		2002	1497557.412	1419895.553	77661.859
		2003	1614405.229	1518552.910	95852.319
		2004	1726672.489	1610998.162	115674.327
		2005	1847277.524	1708000.208	139277.317
		2006	1961009.963	1796881.465	164128.498
		2007	2079868.908	1887008.750	192860.158
		2008	2206755.783	1980565.966	226189.817
		2009	2331993.380	2070025.840	261967.541
		2010	2455130.176	2155239.881	299890.295
		2011	2582657.849	2240488.157	342169.691
		2012	2709719.005	2322337.198	387381.806
		2013	2840547.005	2403381.066	437165.940
		2014	2971677.135	2481468.115	490209.020
		2015	3104538.983	2558599.041	545939.942
		2016	3237650.175	2632469.781	605180.394
		2017	3370561.253	2703319.948	667241.305
		2018	3503136.371	2770440.182	732696.189
		2019	3636402.758	2834837.868	801564.890
		2020	3768054.453	2896164.223	871890.229
		2021	3897675.067	2953528.728	944146.339
		2022	4027307.132	3007931.347	1019375.78
		2023	4156698.720	3059298.934	1097399.79
		2024	4285772.226	3107709.752	1178062.47
		2025	4410759.298	3152749.232	1258010.07
		2026	4531411.064	3193379.683	1338031.38
		2027	4651145.233	3231188.269	1419956.96
		2028	4769837.872	3266235.278	1503602.59
		2029	4887747.179	3298776.681	1588970.50
2030	4997632.895	3327976.990	1669655.91		
2031	5103301.991	3353562.975	1749739.02		
2032	5207593.613	3376978.808	1830614.80		
2033	5310556.138	3398311.729	1912244.41		
2034	5412542.816	3417876.670	1994666.15		
2035	5500522.473	3434239.562	2066282.91		
2036	5588149.640	3449042.539	2139107.10		
2037	5674667.886	3462564.785	2212103.10		
2038	5760391.289	3474922.365	2285468.92		
2039	5845459.234	3486343.322	2359115.91		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159766.311	263.199
		1992	240642.531	239652.325	990.207
		1993	329362.093	326854.282	2507.811
		1994	418569.515	413632.233	4937.282
		1995	509110.357	500579.968	8530.390
		1996	600040.117	586697.995	13342.123
		1997	691159.071	671646.207	19512.864
		1998	782866.899	755768.571	27098.328
		1999	881526.925	844635.238	36891.687
		2000	977880.647	929836.162	48044.485

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

2001	1076787.404	1015484.680	61302.724
2002	1174842.754	1098492.731	76350.022
2003	1275102.681	1181510.910	93591.771
2004	1371026.306	1259103.973	111922.333
2005	1473954.509	1340071.975	133882.533
2006	1574450.828	1417019.498	157431.330
2007	1673790.211	1490958.470	182831.742
2008	1782360.738	1569388.364	212972.373
2009	1892944.209	1646516.904	246427.306
2010	2002131.282	1720332.989	281798.293
2011	2114522.152	1793482.576	321039.577
2012	2228079.372	1864803.289	363276.082
2013	2345377.689	1935563.633	409814.056
2014	2462498.422	2003357.452	459140.970
2015	2581450.312	2070322.828	511127.484
2016	2701959.301	2135236.948	566722.353
2017	2823834.967	2197980.408	625854.559
2018	2938265.081	2254833.028	683432.052
2019	3053254.880	2309355.221	743899.658
2020	3167073.216	2361352.526	805720.690
2021	3279517.699	2410813.971	868703.728
2022	3392060.964	2457806.215	934254.748
2023	3504296.171	2502291.423	1002004.75
2024	3616019.231	2544201.705	1071817.53
2025	3724611.269	2583351.868	1141259.40
2026	3827181.707	2618878.537	1208303.17
2027	3928684.441	2652007.552	1276676.89
2028	4029124.892	2682902.839	1346222.05
2029	4128269.068	2711467.159	1416801.91
2030	4221560.174	2737338.316	1484221.86
2031	4304170.584	2758908.341	1545262.24
2032	4384930.537	2778565.685	1606364.85
2033	4464357.691	2796564.161	1667793.53
2034	4542251.545	2812841.796	1729409.75
2035	4611066.648	2826733.075	1784333.57
2036	4670309.230	2837734.139	1832575.09
2037	4728179.514	2847687.133	1880492.38
2038	4785008.048	2856734.702	1928273.35
2039	4841291.793	2864940.725	1976351.07

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2567841.030	12024.328
		1992	3830683.831	3786083.321	44600.511
		1993	5076567.803	4972782.153	103785.650
		1994	6292145.526	6098631.055	193514.471
		1995	7485537.010	7168160.751	317376.258
		1996	8655955.028	8179803.323	476151.704
		1997	9791729.713	9124574.768	667154.944
		1998	10899134.186	10011354.294	887779.892
		1999	12070409.674	10892191.559	1178218.12
		2000	13231384.595	11729966.907	1501417.69
		2001	14371761.018	12515759.887	1856001.13
		2002	15508906.386	13262214.741	2246691.64
		2003	16638100.422	13971569.271	2666531.15
		2004	17736465.088	14636106.671	3100358.42
		2005	18834658.606	15275546.909	3559111.70
		2006	19909100.501	15871201.340	4037899.16
		2007	20958321.463	16431848.688	4526472.78
		2008	22000068.148	16971066.056	5029002.09
		2009	23018816.903	17480666.453	5538150.45
		2010	24018480.537	17961640.329	6056840.21
		2011	25003034.574	18417250.278	6585784.30
		2012	25969871.429	18846244.141	7123627.29
		2013	26920275.180	19250730.581	7669544.60
		2014	27849005.227	19629440.736	8219564.49
		2015	28749620.400	19986171.694	8763448.71
		2016	29622417.562	20312000.091	9310417.47
		2017	30462559.724	20609685.147	9852874.58
		2018	31293299.299	20895782.509	10397516.8
		2019	32109993.427	21165751.128	10944242.3
		2020	32883323.977	21416991.201	11466332.8
		2021	33610102.554	21634196.013	11975906.5
		2022	34322010.448	21837426.129	12484584.3
		2023	35018383.550	22026826.393	12991557.2
		2024	35700177.955	22203648.514	13496529.4
		2025	36315500.346	22363164.239	13952336.1
		2026	36896159.343	22498402.870	14397756.5
		2027	37462570.116	22623698.850	14838871.3
		2028	38015337.780	22739359.692	15275978.1
		2029	38554814.764	22846746.340	15708068.4
		2030	39003805.400	22938353.127	16065452.3
2031	39436509.703	23016118.329	16420391.4		
2032	39858470.458	23087799.344	16770671.1		
2033	40270147.082	23153549.327	17116597.8		
2034	40672665.743	23214738.677	17457927.1		
2035	40962732.664	23261054.237	17701678.4		
2036	41255021.653	23302857.056	17952164.6		
2037	41540573.023	23341607.103	18198965.9		
2038	41820158.066	23377439.438	18442718.6		
2039	42093547.949	23411081.106	18682466.8		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1178210.284	4360.969
		1992	1777346.679	1760950.890	16395.789
		1993	2380261.899	2341368.708	38893.191
		1994	2983130.039	2909380.753	73749.286
		1995	3588982.584	3466580.090	122402.494
		1996	4195430.235	4008217.811	187212.423
		1997	4793866.694	4528913.774	264952.921
		1998	5389747.381	5032911.520	356835.861
		1999	6006722.467	5532876.005	473846.462
		2000	6625758.871	6020212.357	605546.514
		2001	7245135.411	6491155.373	753980.038
		2002	7867492.021	6948179.772	919312.249
		2003	8485051.793	7387330.609	1097721.18
		2004	9092994.774	7805857.647	1287137.13
		2005	9706032.803	8214012.319	1492020.48
		2006	10311907.548	8603014.926	1708892.62
		2007	10909437.502	8975384.442	1934053.06
		2008	11506462.491	9332393.916	2174068.57
		2009	12098393.287	9676557.417	2421835.87
		2010	12681188.981	10003194.513	2677994.47

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

		2011	13260062.991	10314877.865	2945185.13
		2012	13839417.441	10614031.588	3225385.85
		2013	14409614.758	10897920.297	3511694.46
		2014	14976658.746	11167165.776	3809492.97
		2015	15529977.821	11420738.396	4109239.43
		2016	16066640.764	11654866.997	4411773.77
		2017	16590035.078	11873119.612	4716915.47
		2018	17098716.137	12078817.837	5019898.30
		2019	17599868.850	12272720.562	5327148.29
		2020	18081346.241	12453875.682	5627470.56
		2021	18537594.460	12616600.563	5920993.90
		2022	18985300.234	12768863.348	6216436.89
		2023	19423958.747	12911089.611	6512869.14
		2024	19853347.772	13043371.787	6809975.98
		2025	20252822.245	13163907.772	7088914.47
		2026	20619307.063	13268026.456	7351280.61
		2027	20976063.406	13364197.363	7611866.04
		2028	21323641.947	13453202.547	7870439.40
		2029	21662117.106	13534981.036	8127136.07
		2030	21960971.694	13606520.962	8354450.73
		2031	22224951.983	13664664.199	8560287.78
		2032	22480397.853	13717728.759	8762669.09
		2033	22728639.455	13766414.108	8962225.35
		2034	22970448.888	13810695.360	9159753.53
		2035	23164154.188	13846292.579	9317861.61
		2036	23334538.616	13874703.725	9459834.89
		2037	23499760.723	13900725.612	9599035.11
		2038	23660308.401	13924665.813	9735642.59
		2039	23817891.273	13946690.314	9871200.96
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1176812.874	931.239
		1992	1750034.892	1746542.528	3492.364
		1993	2319752.308	2311374.234	8378.073
		1994	2872597.339	2856580.997	16016.342
		1995	3411494.825	3384588.382	26906.444
		1996	3945569.726	3903540.897	42028.829
		1997	4463316.362	4402041.782	61274.581
		1998	4975301.180	4889853.168	85448.012
		1999	5473691.125	5358971.047	114720.077
		2000	5977500.570	5826616.793	150883.777
		2001	6474795.516	6281000.131	193795.385
		2002	6968769.705	6724558.102	244211.603
		2003	7460282.140	7157255.646	303026.494
		2004	7947048.275	7577155.338	369892.938
		2005	8430571.669	7985199.221	445372.448
		2006	8903945.390	8374470.357	529075.033
		2007	9364177.982	8744226.094	619951.888
		2008	9822525.458	9101476.176	721049.282
		2009	10275228.886	9444009.217	831219.669
		2010	10720275.500	9770739.523	949535.978
		2011	11155356.373	10079807.966	1075548.41
		2012	11582611.617	10371976.736	1210634.88
		2013	11998803.791	10645951.876	1352851.92
		2014	12402087.090	10901440.012	1500647.08
		2015	12793451.706	11140390.245	1653061.46
		2016	13160101.653	11354520.404	1805581.25
		2017	13503583.414	11546428.484	1957154.93
		2018	13859755.737	11734534.761	2125220.98
		2019	14211625.176	11911324.831	2300300.35
		2020	14553935.288	12075969.735	2477965.55
		2021	14851747.495	12211582.805	2640164.69
		2022	15144531.004	12337687.927	2806843.08
		2023	15431932.496	12454477.441	2977455.06
		2024	15713920.740	12562690.966	3151229.77
		2025	15979112.816	12660550.201	3318562.61
		2026	16206550.153	12738373.421	3468176.73
		2027	16428826.050	12809855.932	3618970.12
		2028	16645902.186	12875309.511	3770592.68
		2029	16858126.517	12935585.686	3922540.83
		2030	17045220.687	12987428.262	4057792.42
		2031	17208482.610	13028429.041	4180053.57
		2032	17367586.074	13066000.164	4301585.91
		2033	17522716.280	13100309.247	4422407.03
		2034	17674226.555	13132043.302	4542183.25
		2035	17792201.734	13156487.995	4635713.74
		2036	17903508.236	13177520.841	4725987.39
		2037	18012162.345	13197017.706	4815144.64
		2038	18118464.470	13215050.031	4903414.44

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

		2039	18222549.860	13232023.068	4990526.79
	Female	1990	307897.357	307897.357	0.000
		1991	616547.418	615911.140	636.278
		1992	931086.773	928599.855	2486.918
		1993	1246155.671	1240132.848	6022.823
		1994	1561212.934	1549524.878	11688.056
		1995	1879967.742	1859903.580	20064.162
		1996	2197488.109	2166023.181	31464.928
		1997	2515698.453	2469305.402	46393.051
		1998	2836249.556	2771021.168	65228.388
		1999	3150201.390	3062401.502	87799.887
		2000	3472722.342	3357244.415	115477.927
		2001	3796994.889	3648470.708	148524.181
		2002	4126619.935	3938832.646	187787.289
		2003	4454982.533	4222277.817	232704.717
		2004	4784343.030	4500222.709	284120.322
		2005	5113443.121	4771253.077	342190.044
		2006	5442543.963	5034803.756	407740.207
		2007	5772441.497	5291650.889	480790.607
		2008	6091911.943	5532955.638	558956.305
		2009	6413671.330	5767900.479	645770.851
		2010	6730763.530	5992159.916	738603.614
		2011	7043614.101	6205368.482	838245.619
		2012	7356270.780	6410318.491	945952.289
		2013	7662551.964	6603232.045	1059319.92
		2014	7964551.465	6785870.874	1178680.59
		2015	8254895.403	6955217.316	1299678.09
		2016	8530661.848	7108709.675	1421952.17
		2017	8795826.122	7249839.434	1545986.69
		2018	9067233.707	7386425.856	1680807.85
		2019	9335343.270	7514567.515	1820775.75
		2020	9596110.883	7633893.001	1962217.88
		2021	9833186.859	7737770.896	2095415.96
		2022	10066452.037	7834380.841	2232071.20
		2023	10295503.609	7924088.991	2371414.62
		2024	10520125.318	8006990.500	2513134.82
		2025	10731915.863	8082112.181	2649803.68
		2026	10917495.549	8144647.759	2772847.79
		2027	11098620.885	8202037.760	2896583.12
		2028	11275441.234	8254839.509	3020601.72
		2029	11447962.710	8303075.577	3144887.13
		2030	11601867.623	8344906.603	3256961.02
		2031	11731666.516	8377723.824	3353942.69
		2032	11857585.969	8407593.191	3449992.78
		2033	11980128.625	8434940.307	3545188.32
		2034	12099562.464	8459786.722	3639775.74
		2035	12195919.946	8479466.135	3716453.81
		2036	12278201.969	8494897.589	3783304.38
		2037	12358146.336	8509095.420	3849050.92
		2038	12435978.633	8522216.098	3913762.54
		2039	12512468.845	8534353.880	3978114.97
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1009438.169	9781.225
		1992	1509598.614	1473333.251	36265.363
		1993	1992735.299	1908778.964	83956.335
		1994	2462877.575	2307309.338	155568.237
		1995	2928249.390	2674420.581	253828.809
		1996	3377377.730	2999145.967	378231.763
		1997	3809062.472	3283008.268	526054.204
		1998	4222213.867	3527913.355	694300.512
		1999	4708317.743	3785609.003	922708.741
		2000	5182084.396	4010448.011	1171636.39
		2001	5644097.705	4203270.576	1440827.13
		2002	6107232.129	4373399.515	1733832.61
		2003	6561785.704	4520065.421	2041720.28
		2004	6996156.348	4644104.414	2352051.93
		2005	7426261.361	4753196.598	2673064.76
		2006	7849012.694	4847099.501	3001913.19
		2007	8255300.530	4927349.917	3327950.61
		2008	8650662.040	4997526.046	3653135.99
		2009	9030818.513	5058606.607	3972211.91
		2010	9403026.327	5112807.998	4290218.33
		2011	9767535.506	5160862.888	4606672.62
		2012	10123044.281	5203845.314	4919198.97
		2013	10470104.786	5242364.649	5227740.14
		2014	10807756.112	5277364.397	5530391.72
		2015	11130681.425	5308939.690	5821741.74
		2016	11448966.506	5338179.237	6110787.27

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

		2017	11758164.882	5365103.173	6393061.71
		2018	12054448.241	5389500.722	6664947.52
		2019	12341606.261	5412306.515	6929299.75
		2020	12600728.939	5432283.177	7168445.76
		2021	12861767.105	5451700.150	7410066.96
		2022	13114168.616	5469955.258	7644213.36
		2023	13357894.797	5487047.769	7870847.03
		2024	13593848.521	5503339.768	8090508.75
		2025	13789177.359	5516569.823	8272607.54
		2026	13993401.656	5530238.658	8463163.00
		2027	14190519.224	5543308.226	8647211.00
		2028	14381193.356	5555708.491	8825484.86
		2029	14565171.927	5567657.215	8997514.71
		2030	14697381.605	5576064.611	9121316.99
		2031	14842203.512	5585255.870	9256947.64
		2032	14982485.826	5594076.132	9388409.69
		2033	15118410.647	5602426.420	9515984.23
		2034	15250284.398	5610635.559	9639648.84
		2035	15322911.166	5614900.502	9708010.66
		2036	15405115.031	5619701.574	9785413.46
		2037	15484709.137	5624328.836	9860380.30
		2038	15561812.193	5628731.354	9933080.84
		2039	15635992.616	5632991.698	10003000.9
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	292418.822	2703.641
		1992	439962.920	429912.393	10050.527
		1993	584735.615	561130.152	23605.463
		1994	727640.783	683442.258	44198.525
		1995	868486.937	796187.676	72299.261
		1996	1010321.847	900715.245	109606.603
		1997	1144230.930	991743.456	152487.474
		1998	1274513.622	1072441.974	202071.647
		1999	1426725.938	1158023.628	268702.310
		2000	1573462.680	1232812.409	340650.271
		2001	1719132.015	1298463.628	420668.387
		2002	1863006.732	1355867.652	507139.080
		2003	2002943.227	1405328.800	597614.427
		2004	2137798.705	1447607.649	690191.056
		2005	2271071.245	1484853.032	786218.213
		2006	2400707.731	1516531.308	884176.423
		2007	2523634.512	1543228.539	980405.974
		2008	2648752.232	1567347.808	1081404.42
		2009	2765973.961	1587815.760	1178158.20
		2010	2881329.235	1606072.666	1275256.57
		2011	2994972.694	1622251.442	1372721.25
		2012	3108958.829	1636917.553	1472041.28
		2013	3218140.416	1649884.998	1568255.42
		2014	3328387.914	1661985.587	1666402.33
		2015	3435342.796	1673046.257	1762296.54
		2016	3539189.408	1683087.346	1856102.06
		2017	3640041.363	1692293.720	1947747.64
		2018	3732645.362	1700348.488	2032296.87
		2019	3821421.978	1707745.670	2113676.31
		2020	3902115.950	1714230.664	2187885.29
		2021	3984301.053	1720602.662	2263698.39
		2022	4062629.299	1726484.928	2336144.37
		2023	4137348.729	1731939.774	2405408.96
		2024	4208611.493	1737016.601	2471594.89
		2025	4269419.492	1741249.975	2528169.52
		2026	4330969.998	1745470.593	2585499.40
		2027	4389134.306	1749405.625	2639728.68
		2028	4444222.970	1753097.766	2691125.20
		2029	4496447.877	1756557.852	2739890.02
		2030	4536975.698	1759169.172	2777806.53
		2031	4578338.586	1761829.369	2816509.22
		2032	4617397.784	1764337.926	2853059.86
		2033	4654407.697	1766706.987	2887700.71
		2034	4689913.454	1768951.044	2920962.41
		2035	4712518.190	1770304.576	2942213.61
		2036	4735845.827	1771696.882	2964148.94
		2037	4757958.806	1773017.513	2984941.29
		2038	4778813.806	1774271.417	3004542.39
		2039	4798769.065	1775465.098	3023303.97
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148450.303	1012.715
		1992	222966.278	219224.682	3741.596
		1993	296801.879	288011.636	8790.243
		1994	372453.706	355663.583	16790.122

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

	1995	448401.338	420380.728	28020.610
	1996	523536.301	480928.828	42607.474
	1997	596763.211	536344.702	60418.509
	1998	667546.681	586391.646	81155.035
	1999	734925.407	630698.955	104226.452
	2000	803749.361	672669.168	131080.193
	2001	870081.588	709845.984	160235.605
	2002	935347.140	743438.461	191908.679
	2003	1001627.349	774496.655	227130.694
	2004	1066587.976	802343.405	264244.570
	2005	1130548.052	827269.708	303278.343
	2006	1195132.454	850072.477	345059.977
	2007	1258974.043	870529.299	388444.744
	2008	1320124.867	888225.443	431899.423
	2009	1380776.123	904178.074	476598.049
	2010	1440048.533	918396.229	521652.304
	2011	1497484.847	930964.435	566520.412
	2012	1554496.526	942252.893	612243.634
	2013	1610819.598	952438.717	658380.880
	2014	1667484.890	961776.189	705708.701
	2015	1720948.287	969990.507	750957.780
	2016	1775699.228	977689.766	798009.462
	2017	1830250.175	984772.258	845477.916
	2018	1875958.950	990311.044	885647.906
	2019	1920359.232	995328.248	925030.983
	2020	1960605.297	999642.555	960962.742
	2021	1998912.887	1003479.373	995433.515
	2022	2036003.696	1006969.182	1029034.51
	2023	2071857.536	1010144.864	1061712.67
	2024	2106636.468	1013081.630	1093554.84
	2025	2136450.873	1015509.733	1120941.14
	2026	2164796.470	1017717.220	1147079.25
	2027	2192079.608	1019767.127	1172312.48
	2028	2218404.367	1021668.179	1196736.19
	2029	2243769.140	1023456.625	1220312.52
	2030	2263570.213	1024819.112	1238751.10
	2031	2282521.590	1026089.132	1256432.46
	2032	2300804.945	1027284.705	1273520.24
	2033	2318464.018	1028405.330	1290058.69
	2034	2335611.973	1029484.802	1306127.17
	2035	2347097.290	1030189.146	1316908.14
	2036	2358248.747	1030861.969	1327386.78
	2037	2369033.655	1031505.558	1337528.10
	2038	2379490.114	1032116.472	1347373.64
	2039	2389546.238	1032701.794	1356844.44
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110114.012	757.850
	1992	165654.454	162785.837	2868.618
	1993	220008.519	213248.934	6759.586
	1994	275706.807	262774.080	12932.727
	1995	331417.547	309892.533	21525.014
	1996	387580.161	354749.989	32830.172
	1997	442778.242	396164.374	46613.868
	1998	496117.305	433592.694	62524.611
	1999	548268.214	467681.599	80586.616
	2000	601693.202	500125.441	101567.760
	2001	652221.103	528465.449	123755.654
	2002	703022.600	554623.921	148398.679
	2003	752023.351	577737.765	174285.586
	2004	799826.733	598322.373	201504.360
	2005	847563.928	617081.535	230482.393
	2006	894205.027	633741.196	260463.830
	2007	939571.282	648443.890	291127.393
	2008	983437.578	661378.024	322059.554
	2009	1025803.786	672757.842	353045.944
	2010	1066964.934	682804.255	384160.679
	2011	1106954.044	691668.618	415285.427
	2012	1146108.461	699582.274	446526.187
	2013	1183544.689	706499.869	477044.820
	2014	1221220.945	712868.133	508352.812
	2015	1258289.311	718695.282	539594.030
	2016	1294830.207	723983.978	570846.229
	2017	1330332.626	728743.464	601589.162
	2018	1360571.987	732536.461	628035.526
	2019	1389848.723	735952.342	653896.381
	2020	1416046.192	738860.662	677185.531
	2021	1440588.850	741420.206	699168.644
	2022	1464157.934	743736.884	720421.050

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

		2023	1486810.237	745848.564	740961.674
		2024	1508591.729	747773.626	760818.103
		2025	1526875.621	749335.101	777540.520
		2026	1543659.810	750709.441	792950.369
		2027	1559623.774	751969.963	807653.812
		2028	1574852.850	753135.788	821717.062
		2029	1589437.452	754213.997	835223.455
		2030	1600568.199	755012.888	845555.311
		2031	1610776.297	755729.808	855046.489
		2032	1620483.563	756398.899	864084.664
		2033	1629745.442	757025.897	872719.545
		2034	1638721.425	757616.235	881105.191
		2035	1644649.404	757992.394	886657.010
		2036	1650181.590	758337.872	891843.717
		2037	1655476.066	758665.935	896810.131
		2038	1660507.914	758977.774	901530.140
		2039	1665361.569	759275.144	906086.426
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233139.684	299.149
		1992	348084.047	346982.860	1101.187
		1993	467278.318	464617.319	2660.999
		1994	584216.907	579077.137	5139.770
		1995	697391.457	688771.061	8620.395
		1996	809471.271	796187.631	13283.639
		1997	922587.668	903180.017	19407.651
		1998	1034072.457	1007196.125	26876.332
		1999	1153475.399	1116912.554	36562.846
		2000	1268050.268	1220232.935	47817.333
		2001	1382786.209	1321643.196	61143.014
		2002	1497557.412	1420818.664	76738.748
		2003	1614405.229	1519751.548	94653.681
		2004	1726672.489	1612503.515	114168.975
		2005	1847277.524	1709881.381	137396.143
		2006	1961009.963	1799159.004	161850.959
		2007	2079868.908	1889743.377	190125.531
		2008	2206755.783	1983838.391	222917.392
		2009	2331993.380	2073872.553	258120.827
		2010	2455130.176	2159696.580	295433.597
		2011	2582657.849	2245614.989	337042.859
		2012	2709719.005	2328169.198	381549.807
		2013	2840547.005	2409975.339	430571.666
		2014	2971677.135	2488860.139	482816.996
		2015	3104538.983	2566851.252	537687.731
		2016	3237650.175	2641610.683	596039.492
		2017	3370561.253	2713381.232	657180.021
		2018	3503136.371	2781435.983	721700.388
		2019	3636402.758	2846791.533	789611.225
		2020	3768054.453	2909095.734	858958.718
		2021	3897675.067	2967433.685	930241.382
		2022	4027307.132	3022813.763	1004493.37
		2023	4156698.720	3075156.320	1081542.40
		2024	4285772.226	3124536.151	1161236.08
		2025	4410759.298	3170534.482	1240224.82
		2026	4531411.064	3212073.571	1319337.49
		2027	4651145.233	3250767.565	1400377.67
		2028	4769837.872	3286673.510	1483164.36
		2029	4887747.179	3320046.814	1567700.36
2030	4997632.895	3350041.142	1647591.75		
2031	5103301.991	3376344.286	1726957.71		
2032	5207593.613	3400438.343	1807155.27		
2033	5310556.138	3422408.330	1888147.81		
2034	5412542.816	3442575.013	1969967.80		
2035	5500522.473	3459476.594	2041045.88		
2036	5588149.640	3474772.672	2113376.97		
2037	5674667.886	3488755.003	2185912.88		
2038	5760391.289	3501541.581	2258849.71		
2039	5845459.234	3513364.546	2332094.69		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159766.311	263.199
		1992	240642.531	239652.805	989.726
		1993	329362.093	326856.775	2505.318
		1994	418569.515	413639.537	4929.978
		1995	509110.357	500596.300	8514.057
		1996	600040.117	586729.397	13310.720
		1997	691159.071	671700.542	19458.528
		1998	782866.899	755855.684	27011.215
		1999	881526.925	844769.277	36757.648
		2000	977880.647	930030.091	47850.556

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

2001	1076787.404	1015755.588	61031.816
2002	1174842.754	1098855.552	75987.202
2003	1275102.681	1181986.227	93116.454
2004	1371026.306	1259704.917	111321.389
2005	1473954.509	1340824.676	133129.833
2006	1574450.828	1417938.666	156512.162
2007	1673790.211	1492061.124	181729.087
2008	1782360.738	1570712.446	211648.291
2009	1892944.209	1648083.335	244860.874
2010	2002131.282	1722157.677	279973.605
2011	2114522.152	1795589.322	318932.830
2012	2228079.372	1867213.270	360866.101
2013	2345377.689	1938303.385	407074.304
2014	2462498.422	2006441.181	456057.241
2015	2581450.312	2073779.541	507670.771
2016	2701959.301	2139085.998	562873.303
2017	2823834.967	2202242.994	621591.973
2018	2938265.081	2259507.031	678758.050
2019	3053254.880	2314455.036	738799.844
2020	3167073.216	2366891.355	800181.861
2021	3279517.699	2416806.799	862710.900
2022	3392060.964	2464260.694	927800.269
2023	3504296.171	2509212.282	995083.889
2024	3616019.231	2551591.059	1064428.17
2025	3724611.269	2591210.514	1133400.75
2026	3827181.707	2627198.662	1199983.04
2027	3928684.441	2660784.016	1267900.43
2028	4029124.892	2692129.483	1336995.41
2029	4128269.068	2721133.610	1407135.46
2030	4221560.174	2747432.299	1474127.87
2031	4304170.584	2769381.198	1534789.39
2032	4384930.537	2789398.743	1595531.79
2033	4464357.691	2807740.917	1656616.77
2034	4542251.545	2824341.359	1717910.19
2035	4611066.648	2838529.475	1772537.17
2036	4670309.230	2849771.381	1820537.85
2037	4728179.514	2859946.745	1868232.77
2038	4785008.048	2869200.524	1915807.52
2039	4841291.793	2877596.193	1963695.60

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	216466.608	227444.426
		35-39	1146798.555	551606.932	595191.623
		40-44	2609591.408	1225127.119	1384464.29
		45-49	4775841.753	2216401.359	2559440.39
		50-54	7446969.205	3623969.687	3822999.52
		55-59	8240205.925	4489564.224	3750641.70
		60-64	8772829.118	5214937.801	3557891.32
		65-69	6161494.678	4060623.309	2100871.37
		70-74	2495906.274	1704577.181	791329.093
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	130513.727	98626.833
		35-39	570217.942	319634.266	250583.676
		40-44	1267538.938	688592.137	578946.801
		45-49	2340070.698	1253165.832	1086904.87
		50-54	3743803.613	2032336.657	1711466.96
		55-59	4591478.168	2634500.035	1956978.13
		60-64	5207367.788	3113940.169	2093427.62
		65-69	4092181.394	2592423.306	1499758.09
70-74		1776092.171	1140778.583	635313.588	
Lung cancer	Males	30-34	66065.017	49459.470	16605.547
		35-39	232509.414	176280.806	56228.608
		40-44	688628.041	510611.952	178016.089
		45-49	1528300.367	1095939.310	432361.057
		50-54	2730187.229	1926885.787	803301.442
		55-59	3909101.673	2746088.480	1163013.19
		60-64	4287716.660	3107469.485	1180247.18
		65-69	3467897.115	2564897.245	902999.870
		70-74	1312144.343	986829.887	325314.456
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	38604.470	13308.643
		35-39	189792.904	142096.961	47695.943
		40-44	527596.573	377331.689	150264.884
		45-49	1122524.269	770624.357	351899.912
		50-54	1882214.322	1263723.546	618490.776
		55-59	2595581.943	1722031.402	873550.541
		60-64	2846273.090	1927988.918	918284.172
		65-69	2358758.394	1616413.711	742344.683
70-74		937814.238	649923.225	287891.013	
IHD	Males	30-34	263834.566	102641.533	161193.033
		35-39	692140.150	252614.095	439526.055
		40-44	1519708.432	501561.172	1018147.26
		45-49	2568546.697	771391.157	1797155.54
		50-54	3632929.903	1157882.651	2475047.25
		55-59	2807892.356	974379.543	1833512.81
		60-64	2599825.934	1080504.256	1519321.68
		65-69	1113578.307	537324.889	576253.418
		70-74	437536.271	243671.645	193864.626
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	32660.810	46988.287
		35-39	193965.908	68874.792	125091.116
		40-44	403380.974	125247.745	278133.229
		45-49	671385.408	191886.062	479499.346
		50-54	1011875.989	320406.138	691469.851
		55-59	849875.715	302672.005	547203.710
		60-64	925490.876	392097.379	533393.497
		65-69	455463.881	224321.357	231142.524
70-74		207681.216	115444.873	92236.344	
Stroke	Males	30-34	73463.650	40008.365	33455.284
		35-39	151934.057	79986.083	71947.973
		40-44	262845.974	130202.773	132643.201
		45-49	383421.246	176278.526	207142.720
		50-54	479872.634	198805.531	281067.103
		55-59	437124.903	166780.835	270344.068
		60-64	419457.235	162925.825	256531.410
		65-69	128180.574	52062.466	76118.108
		70-74	53245.965	23447.129	29798.836
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	37159.911	25759.179

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

		35-39	120806.205	67079.634	53726.571
		40-44	203391.885	103622.910	99768.976
		45-49	278172.097	130452.595	147719.502
		50-54	325979.181	141954.974	184024.207
		55-59	275161.340	112059.746	163101.594
		60-64	268920.493	110562.586	158357.907
		65-69	87956.054	37370.292	50585.762
		70-74	42055.224	18331.900	23723.324
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	24357.239	16190.562
		35-39	70214.933	42725.947	27488.986
		40-44	138408.960	82751.222	55657.738
		45-49	295573.443	172792.366	122781.077
		50-54	603979.438	340395.718	263583.720
		55-59	1086086.992	602315.366	483771.626
		60-64	1465829.290	864038.236	601791.054
		65-69	1451838.682	906338.708	545499.974
		70-74	692979.695	450628.520	242351.174
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	22088.536	12570.725
		35-39	65652.924	41582.879	24070.046
		40-44	133169.505	82389.794	50779.712
		45-49	267988.924	160202.818	107786.107
		50-54	523734.121	306252.000	217482.121
		55-59	870859.170	497736.881	373122.288
		60-64	1166683.329	683291.286	483392.043
		65-69	1190003.066	714317.946	475685.119
		70-74	588541.493	357078.586	231462.908
		75-79	0.000	0.000	0.000

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	216481.168	227429.865
		35-39	1146798.555	551720.685	595077.870
		40-44	2609591.408	1225887.132	1383704.28
		45-49	4775841.753	2219895.529	2555946.22
		50-54	7446969.205	3634752.104	3812217.10
		55-59	8240205.925	4507584.996	3732620.93
		60-64	8772829.118	5246275.723	3526553.39
		65-69	6161494.678	4088296.523	2073198.16
	Female	70-74	2495906.274	1720187.244	775719.029
		75-79	0.000	0.000	0.000
		30-34	229140.561	130517.618	98622.943
		35-39	570217.942	319664.311	250553.630
		40-44	1267538.938	688788.576	578750.362
		45-49	2340070.698	1254047.791	1086022.91
		50-54	3743803.613	2035153.523	1708650.09
		55-59	4591478.168	2640060.525	1951417.64
		60-64	5207367.788	3124961.678	2082406.11
Lung cancer	Males	65-69	4092181.394	2604629.061	1487552.33
		70-74	1776092.171	1148867.230	627224.940
		75-79	0.000	0.000	0.000
		30-34	66065.017	49463.198	16601.819
		35-39	232509.414	176323.023	56186.392
		40-44	688628.041	510982.054	177645.987
		45-49	1528300.367	1097922.966	430377.401
		50-54	2730187.229	1933343.097	796844.132
	Female	55-59	3909101.673	2757995.196	1151106.48
		60-64	4287716.660	3127478.756	1160237.90
		65-69	3467897.115	2582535.577	885361.538
		70-74	1312144.343	995979.201	316165.142
		75-79	0.000	0.000	0.000
		30-34	51913.113	38605.815	13307.298
		35-39	189792.904	142111.755	47681.149
		40-44	527596.573	377450.635	150145.938
		45-49	1122524.269	771206.145	351318.124
IHD	Males	50-54	1882214.322	1265591.661	616622.661
		55-59	2595581.943	1725815.201	869766.742
		60-64	2846273.090	1935096.711	911176.379
		65-69	2358758.394	1623970.032	734788.361
		70-74	937814.238	654505.924	283308.313
		75-79	0.000	0.000	0.000
		30-34	263834.566	102647.949	161186.617
		35-39	692140.150	252658.153	439481.998
	Female	40-44	1519708.432	501803.973	1017904.46
		45-49	2568546.697	772267.222	1796279.47
		50-54	3632929.903	1160186.340	2472743.56
		55-59	2807892.356	976504.541	1831387.82
		60-64	2599825.934	1083679.877	1516146.06
		65-69	1113578.307	538759.806	574818.502
		70-74	437536.271	244483.837	193052.433
		75-79	0.000	0.000	0.000
		30-34	79649.097	32661.695	46987.402
Stroke	Males	35-39	193965.908	68880.267	125085.641
		40-44	403380.974	125274.416	278106.558
		45-49	671385.408	191976.457	479408.951
		50-54	1011875.989	320668.287	691207.702
		55-59	849875.715	302967.354	546908.361
		60-64	925490.876	392670.751	532820.125
		65-69	455463.881	224666.427	230797.454
		70-74	207681.216	115699.443	91981.773
	Female	75-79	0.000	0.000	0.000
		30-34	73463.650	40010.735	33452.914
		35-39	151934.057	80001.296	71932.760
		40-44	262845.974	130275.162	132570.813
		45-49	383421.246	176515.871	206905.375
		50-54	479872.634	199291.411	280581.223
		55-59	437124.903	167263.889	269861.015
		60-64	419457.235	163569.553	255887.682
		65-69	128180.574	52237.712	75942.862
Stroke	Female	70-74	53245.965	23536.164	29709.801
		75-79	0.000	0.000	0.000
Stroke	Female	30-34	62919.090	37160.804	25758.286

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_2.RTF)

		35-39	120806.205	67084.634	53721.572
		40-44	203391.885	103645.038	99746.847
		45-49	278172.097	130517.396	147654.701
		50-54	325979.181	142084.921	183894.260
		55-59	275161.340	112196.288	162965.052
		60-64	268920.493	110767.488	158153.005
		65-69	87956.054	37440.601	50515.453
		70-74	42055.224	18377.974	23677.250
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	24359.286	16188.515
		35-39	70214.933	42738.213	27476.720
		40-44	138408.960	82825.944	55583.016
		45-49	295573.443	173189.471	122383.972
		50-54	603979.438	341931.256	262048.182
		55-59	1086086.992	605821.370	480265.622
		60-64	1465829.290	871547.537	594281.753
		65-69	1451838.682	914763.428	537075.254
		70-74	692979.695	456188.042	236791.653
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	22089.304	12569.957
		35-39	65652.924	41587.656	24065.268
		40-44	133169.505	82418.486	50751.019
		45-49	267988.924	160347.793	107641.131
		50-54	523734.121	306808.654	216925.467
		55-59	870859.170	499081.681	371777.489
		60-64	1166683.329	686426.728	480256.601
		65-69	1190003.066	718552.001	471451.065
		70-74	588541.493	360283.889	228257.604
		75-79	0.000	0.000	0.000

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

Estimated Loss of Life from the E Component for Run: 6, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	28025651.202	14067896.7
	Female	2039	23817891.273	16997382.038	6820509.23
Lung cancer	Males	2039	18222549.860	14691269.492	3531280.37
	Female	2039	12512468.845	9922680.064	2589788.78
IHD	Males	2039	15635992.616	7986364.186	7649628.43
	Female	2039	4798769.065	2634814.150	2163954.92
Stroke	Males	2039	2389546.238	1339711.369	1049834.87
	Female	2039	1665361.569	1018444.765	646916.804
COPD	Males	2039	5845459.234	4008306.155	1837153.08
	Female	2039	4841291.793	3421443.059	1419848.73

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	28106830.829	13986717.1
	Female	2039	23817891.273	17026288.384	6791602.89
Lung cancer	Males	2039	18222549.860	14738560.799	3483989.06
	Female	2039	12512468.845	9940233.967	2572234.88
IHD	Males	2039	15635992.616	7998608.161	7637384.46
	Female	2039	4798769.065	2636865.479	2161903.59
Stroke	Males	2039	2389546.238	1341867.302	1047678.94
	Female	2039	1665361.569	1019126.825	646234.744
COPD	Males	2039	5845459.234	4027794.568	1817664.67
	Female	2039	4841291.793	3430062.113	1411229.68

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2575282.179	4583.179
		1992	3830683.831	3813377.671	17306.160
		1993	5076567.803	5035254.139	41313.664
		1994	6292145.526	6213219.916	78925.611
		1995	7485537.010	7352676.490	132860.520
		1996	8655955.028	8451574.958	204380.070
		1997	9791729.713	9498563.684	293166.029
		1998	10899134.186	10499943.641	399190.545
		1999	12070409.674	11526612.499	543797.176
		2000	13231384.595	12520926.098	710458.498
		2001	14371761.018	13471386.994	900374.024
		2002	15508906.386	14391447.370	1117459.02
		2003	16638100.422	15278667.556	1359432.87
		2004	17736465.088	16119089.858	1617375.23
		2005	18834658.606	16936749.006	1897909.60
		2006	19909100.501	17708384.125	2200716.38
		2007	20958321.463	18440256.263	2518065.20
		2008	22000068.148	19146906.557	2853161.59
		2009	23018816.903	19818364.917	3200451.99
		2010	24018480.537	20456424.361	3562056.18
		2011	25003034.574	21064399.062	3938635.51
		2012	25969871.429	21641221.269	4328650.16
		2013	26920275.180	22188404.003	4731871.18
		2014	27849005.227	22703618.147	5145387.08
		2015	28749620.400	23190109.288	5559511.11
		2016	29622417.562	23638768.317	5983649.25
		2017	30462559.724	24052264.929	6410294.79
		2018	31293299.299	24448907.315	6844391.98
		2019	32109993.427	24824575.783	7285417.64
		2020	32883323.977	25174963.338	7708360.64
		2021	33610102.554	25480327.402	8129775.15
		2022	34322010.448	25767423.496	8554586.95
		2023	35018383.550	26036151.581	8982231.97
		2024	35700177.955	26287882.423	9412295.53
		2025	36315500.346	26515380.630	9800119.72
		2026	36896159.343	26708970.520	10187188.8
		2027	37462570.116	26889349.964	10573220.2
		2028	38015337.780	27056180.498	10959157.3
2029	38554814.764	27210990.616	11343824.1		
2030	39003805.400	27343520.407	11660285.0		
2031	39436509.703	27455997.985	11980511.7		
2032	39858470.458	27559779.992	12298690.5		
2033	40270147.082	27654883.690	12615263.4		
2034	40672665.743	27743156.739	12929509.0		
2035	40962732.664	27810541.222	13152191.4		
2036	41255021.653	27870949.916	13384071.7		
2037	41540573.023	27926500.234	13614072.8		
2038	41820158.066	27977706.219	13842451.8		
2039	42093547.949	28025651.202	14067896.7		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1181134.661	1436.592	
1992		1777346.679	1771798.657	5548.022	
1993		2380261.899	2366811.874	13450.025	
1994		2983130.039	2957036.389	26093.650	
1995		3588982.584	3544419.693	44562.891	
1996		4195430.235	4125154.080	70276.155	
1997		4793866.694	4691583.066	102283.628	
1998		5389747.381	5248288.015	141459.366	
1999		6006722.467	5813534.991	193187.476	
2000		6625758.871	6372227.580	253531.291	
2001		7245135.411	6920658.960	324476.451	
2002		7867492.021	7461036.847	406455.174	
2003		8485051.793	7987172.590	497879.203	
2004		9092994.774	8494924.339	598070.435	
2005		9706032.803	8996635.113	709397.691	
2006		10311907.548	9481169.460	830738.088	
2007		10909437.502	9949575.996	959861.506	
2008		11506462.491	10405174.976	1101287.51	
2009		12098393.287	10848180.047	1250213.24	
2010		12681188.981	11273686.993	1407501.99	

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

		2011	13260062.991	11684966.879	1575096.11
		2012	13839417.441	12084779.694	1754637.75
		2013	14409614.758	12468402.513	1941212.25
		2014	14976658.746	12837511.116	2139147.63
		2015	15529977.821	13189222.820	2340755.00
		2016	16066640.764	13518789.517	2547851.25
		2017	16590035.078	13829820.393	2760214.69
		2018	17098716.137	14125559.440	2973156.70
		2019	17599868.850	14407738.258	3192130.59
		2020	18081346.241	14673722.364	3407623.88
		2021	18537594.460	14915421.965	3622172.50
		2022	18985300.234	15144175.724	3841124.51
		2023	19423958.747	15359984.118	4063974.63
		2024	19853347.772	15562920.367	4290427.40
		2025	20252822.245	15749096.569	4503725.68
		2026	20619307.063	15911202.394	4708104.67
		2027	20976063.406	16062204.846	4913858.56
		2028	21323641.947	16202637.481	5121004.47
		2029	21662117.106	16332804.950	5329312.16
		2030	21960971.694	16447111.605	5513860.09
		2031	22224951.983	16540506.066	5684445.92
		2032	22480397.853	16625948.812	5854449.04
		2033	22728639.455	16704403.616	6024235.84
		2034	22970448.888	16776285.009	6194163.88
		2035	23164154.188	16834375.709	6329778.48
		2036	23334538.616	16880597.341	6453941.27
		2037	23499760.723	16922785.944	6576974.78
		2038	23660308.401	16961513.244	6698795.16
		2039	23817891.273	16997382.038	6820509.23
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177435.588	308.525
		1992	1750034.892	1748848.521	1186.371
		1993	2319752.308	2316794.914	2957.394
		1994	2872597.339	2866739.254	5858.085
		1995	3411494.825	3401303.797	10191.028
		1996	3945569.726	3929066.507	16503.218
		1997	4463316.362	4438513.297	24803.065
		1998	4975301.180	4939751.052	35550.129
		1999	5473691.125	5424732.711	48958.414
		2000	5977500.570	5911491.970	66008.601
		2001	6474795.516	6387955.527	86839.989
		2002	6968769.705	6856873.697	111896.008
		2003	7460282.140	7318394.521	141887.619
		2004	7947048.275	7770391.866	176656.409
		2005	8430571.669	8213967.946	216603.723
		2006	8903945.390	8642052.772	261892.618
		2007	9364177.982	9052210.017	311967.965
		2008	9822525.458	9453596.019	368929.439
		2009	10275228.886	9843103.158	432125.729
		2010	10720275.500	10219069.876	501205.624
		2011	11155356.373	10579323.338	576033.035
		2012	11582611.617	10924715.758	657895.859
		2013	11998803.791	11253007.320	745796.471
		2014	12402087.090	11563233.098	838853.992
		2015	12793451.706	11857035.642	936416.063
		2016	13160101.653	12124245.899	1035855.75
		2017	13503583.414	12367142.086	1136441.33
		2018	13859755.737	12609192.216	1250563.52
		2019	14211625.176	12839971.661	1371653.52
		2020	14553935.288	13057551.102	1496384.19
		2021	14851747.495	13239126.267	1612621.23
		2022	15144531.004	13410468.564	1734062.44
		2023	15431932.496	13571310.799	1860621.70
		2024	15713920.740	13722081.954	1991838.79
		2025	15979112.816	13859630.810	2119482.01
		2026	16206550.153	13970180.468	2236369.68
		2027	16428826.050	14073036.256	2355789.79
		2028	16645902.186	14168057.852	2477844.33
		2029	16858126.517	14255966.263	2602160.25
		2030	17045220.687	14331920.177	2713300.51
		2031	17208482.610	14392236.484	2816246.13
		2032	17367586.074	14447807.297	2919778.78
		2033	17522716.280	14498632.842	3024083.44
		2034	17674226.555	14545476.811	3128749.74
		2035	17792201.734	14581671.922	3210529.81
		2036	17903508.236	14612556.894	3290951.34
		2037	18012162.345	14640908.771	3371253.57
		2038	18118464.470	14666945.815	3451518.65

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

	Female	2039	18222549.860	14691269.492	3531280.37
		1990	307897.357	307897.357	0.000
		1991	616547.418	616369.139	178.279
		1992	931086.773	930359.064	727.709
		1993	1246155.671	1244325.016	1830.655
		1994	1561212.934	1557539.663	3673.271
		1995	1879967.742	1873403.407	6564.335
		1996	2197488.109	2186812.673	10675.436
		1997	2515698.453	2499400.736	16297.716
		1998	2836249.556	2812590.219	23659.337
		1999	3150201.390	3117408.844	32792.545
		2000	3472722.342	3428384.662	44337.680
		2001	3796994.889	3738357.912	58636.977
		2002	4126619.935	4050512.425	76107.511
		2003	4454982.533	4358425.316	96557.218
		2004	4784343.030	4663808.703	120534.328
		2005	5113443.121	4965225.647	148217.473
		2006	5442543.963	5262285.434	180258.529
		2007	5772441.497	5555720.828	216720.669
		2008	6091911.943	5835373.028	256538.914
		2009	6413671.330	6111957.362	301713.968
		2010	6730763.530	6379859.410	350904.120
		2011	7043614.101	6638900.842	404713.259
		2012	7356270.780	6892216.871	464053.909
		2013	7662551.964	7134858.037	527693.926
		2014	7964551.465	7368599.370	595952.095
		2015	8254895.403	7588768.192	666127.211
		2016	8530661.848	7792185.030	738476.818
		2017	8795826.122	7982578.304	813247.819
		2018	9067233.707	8170733.379	896500.328
		2019	9335343.270	8350608.623	984734.647
		2020	9596110.883	8520845.164	1075265.72
		2021	9833186.859	8671252.192	1161934.67
		2022	10066452.037	8813738.095	1252713.94
		2023	10295503.609	8948198.731	1347304.88
		2024	10520125.318	9074620.091	1445505.23
		2025	10731915.863	9190585.683	1541330.18
		2026	10917495.549	9288256.821	1629238.73
		2027	11098620.885	9379123.248	1719497.64
		2028	11275441.234	9463527.020	1811914.21
		2029	11447962.710	9541608.067	1906354.64
		2030	11601867.623	9609806.375	1992061.25
		2031	11731666.516	9663659.055	2068007.46
		2032	11857585.969	9712887.821	2144698.15
		2033	11980128.625	9758009.308	2222119.32
		2034	12099562.464	9799318.095	2300244.37
		2035	12195919.946	9832216.850	2363703.10
		2036	12278201.969	9857816.525	2420385.44
		2037	12358146.336	9881213.660	2476932.68
		2038	12435978.633	9902723.171	2533255.46
		2039	12512468.845	9922680.064	2589788.78
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1015406.135	3813.260
		1992	1509598.614	1495228.853	14369.761
		1993	1992735.299	1958677.506	34057.793
		1994	2462877.575	2398374.677	64502.898
		1995	2928249.390	2820450.859	107798.531
		1996	3377377.730	3212997.770	164379.960
		1997	3809062.472	3575345.162	233717.310
		1998	4222213.867	3906835.432	315378.435
		1999	4708317.743	4278039.584	430278.159
		2000	5182084.396	4621884.156	560200.240
		2001	5644097.705	4937651.154	706446.551
		2002	6107232.129	5235022.057	872210.072
		2003	6561785.704	5508204.923	1053580.78
		2004	6996156.348	5753029.307	1243127.04
		2005	7426261.361	5980451.910	1445809.45
		2006	7849012.694	6187457.726	1661554.97
		2007	8255300.530	6372853.974	1882446.56
		2008	8650662.040	6540651.965	2110010.07
		2009	9030818.513	6691012.740	2339805.77
		2010	9403026.327	6827862.781	2575163.55
		2011	9767535.506	6951777.192	2815758.31
		2012	10123044.281	7064350.330	3058693.95
		2013	10470104.786	7166155.827	3303948.96
		2014	10807756.112	7258099.427	3549656.68
		2015	11130681.425	7340343.252	3790338.17
		2016	11448966.506	7415301.563	4033664.94

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

		2017	11758164.882	7483502.441	4274662.44
		2018	12054448.241	7542556.718	4511891.52
		2019	12341606.261	7595645.837	4745960.42
		2020	12600728.939	7641426.671	4959302.27
		2021	12861767.105	7683519.583	5178247.52
		2022	13114168.616	7721449.571	5392719.05
		2023	13357894.797	7755509.049	5602385.75
		2024	13593848.521	7786477.819	5807370.70
		2025	13789177.359	7811510.531	5977666.83
		2026	13993401.656	7835476.857	6157924.80
		2027	14190519.224	7857447.066	6333072.16
		2028	14381193.356	7877334.522	6503858.83
		2029	14565171.927	7895689.620	6669482.31
		2030	14697381.605	7908874.948	6788506.66
		2031	14842203.512	7922483.682	6919719.83
		2032	14982485.826	7934982.559	7047503.27
		2033	15118410.647	7946351.852	7172058.80
		2034	15250284.398	7957315.200	7292969.20
		2035	15322911.166	7963198.696	7359712.47
		2036	15405115.031	7969548.703	7435566.33
		2037	15484709.137	7975465.703	7509243.43
		2038	15561812.193	7981007.206	7580804.99
		2039	15635992.616	7986364.186	7649628.43
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	294180.358	942.104
		1992	439962.920	436379.369	3583.551
		1993	584735.615	576178.445	8557.170
		1994	727640.783	711345.768	16295.015
		1995	868486.937	841200.061	27286.877
		1996	1010321.847	967812.515	42509.332
		1997	1144230.930	1083598.127	60632.802
		1998	1274513.622	1192158.217	82355.405
		1999	1426725.938	1314172.829	112553.109
		2000	1573462.680	1426995.072	146467.608
		2001	1719132.015	1533099.887	186032.128
		2002	1863006.732	1632400.236	230606.496
		2003	2002943.227	1723747.012	279196.215
		2004	2137798.705	1806848.810	330949.896
		2005	2271071.245	1884664.078	386407.168
		2006	2400707.731	1955586.355	445121.376
		2007	2523634.512	2018851.131	504783.381
		2008	2648752.232	2079134.276	569617.956
		2009	2765973.961	2132399.822	633574.140
		2010	2881329.235	2181663.405	699665.829
		2011	2994972.694	2227013.759	767958.934
		2012	3108958.829	2269272.533	839686.296
		2013	3218140.416	2307311.456	910828.960
		2014	3328387.914	2343147.911	985240.003
		2015	3435342.796	2376319.488	1059023.31
		2016	3539189.408	2406633.989	1132555.42
		2017	3640041.363	2434230.883	1205810.48
		2018	3732645.362	2457853.613	1274791.75
		2019	3821421.978	2479142.057	1342279.92
		2020	3902115.950	2497666.949	1404449.00
		2021	3984301.053	2515319.010	1468982.04
		2022	4062629.299	2531064.217	1531565.08
		2023	4137348.729	2545140.360	1592208.37
		2024	4208611.493	2557695.129	1650916.36
		2025	4269419.492	2568160.179	1701259.31
		2026	4330969.998	2578056.974	1752913.02
		2027	4389134.306	2586853.823	1802280.48
		2028	4444222.970	2594649.418	1849573.55
		2029	4496447.877	2601615.092	1894832.78
		2030	4536975.698	2606937.353	1930038.34
		2031	4578338.586	2612060.277	1966278.31
		2032	4617397.784	2616630.379	2000767.41
		2033	4654407.697	2620761.525	2033646.17
		2034	4689913.454	2624526.527	2065386.93
		2035	4712518.190	2626878.944	2085639.25
		2036	4735845.827	2629154.259	2106691.57
		2037	4757958.806	2631211.829	2126746.98
		2038	4778813.806	2633082.229	2145731.58
		2039	4798769.065	2634814.150	2163954.92
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	149092.478	370.540
		1992	222966.278	221557.028	1409.250
		1993	296801.879	293355.642	3446.237
		1994	372453.706	365619.159	6834.547

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

	1995	448401.338	436581.046	11820.292
	1996	523536.301	504963.030	18573.271
	1997	596763.211	569627.786	27135.425
	1998	667546.681	630059.101	37487.580
	1999	734925.407	685546.114	49379.293
	2000	803749.361	740050.351	63699.010
	2001	870081.588	790199.789	79881.799
	2002	935347.140	837300.586	98046.554
	2003	1001627.349	882544.212	119083.137
	2004	1066587.976	924646.938	141941.037
	2005	1130548.052	963808.080	166739.972
	2006	1195132.454	1000914.587	194217.867
	2007	1258974.043	1035349.825	223624.218
	2008	1320124.867	1066111.439	254013.428
	2009	1380776.123	1094653.330	286122.794
	2010	1440048.533	1120785.435	319263.098
	2011	1497484.847	1144467.359	353017.488
	2012	1554496.526	1166215.891	388280.635
	2013	1610819.598	1186221.540	424598.057
	2014	1667484.890	1204805.003	462679.887
	2015	1720948.287	1221325.942	499622.345
	2016	1775699.228	1236892.890	538806.338
	2017	1830250.175	1251307.194	578942.981
	2018	1875958.950	1262597.422	613361.528
	2019	1920359.232	1272751.858	647607.373
	2020	1960605.297	1281457.214	679148.083
	2021	1998912.887	1289115.016	709797.871
	2022	2036003.696	1295998.429	740005.267
	2023	2071857.536	1302160.931	769696.606
	2024	2106636.468	1307728.719	798907.749
	2025	2136450.873	1312277.079	824173.795
	2026	2164796.470	1316281.260	848515.210
	2027	2192079.608	1319917.642	872161.966
	2028	2218404.367	1323179.854	895224.513
	2029	2243769.140	1326132.152	917636.989
	2030	2263570.213	1328357.130	935213.083
	2031	2282521.590	1330365.752	952155.838
	2032	2300804.945	1332176.347	968628.598
	2033	2318464.018	1333820.337	984643.681
	2034	2335611.973	1335361.100	1000250.87
	2035	2347097.290	1336354.984	1010742.31
	2036	2358248.747	1337279.283	1020969.46
	2037	2369033.655	1338138.969	1030894.69
	2038	2379490.114	1338944.052	1040546.06
	2039	2389546.238	1339711.369	1049834.87
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110619.293	252.569
	1992	165654.454	164667.821	986.634
	1993	220008.519	217614.815	2393.705
	1994	275706.807	270972.010	4734.797
	1995	331417.547	323265.906	8151.641
	1996	387580.161	374683.367	12896.794
	1997	442778.242	423831.860	18946.382
	1998	496117.305	469923.520	26193.785
	1999	548268.214	513552.152	34716.062
	2000	601693.202	556694.835	44998.366
	2001	652221.103	595891.167	56329.936
	2002	703022.600	633602.792	69419.808
	2003	752023.351	668330.954	83692.397
	2004	799826.733	700588.544	99238.189
	2005	847563.928	731232.256	116331.672
	2006	894205.027	759613.038	134591.989
	2007	939571.282	785688.734	153882.548
	2008	983437.578	809510.368	173927.210
	2009	1025803.786	831239.171	194564.615
	2010	1066964.934	851093.070	215871.864
	2011	1106954.044	869197.223	237756.821
	2012	1146108.461	885837.535	260270.925
	2013	1183544.689	900777.842	282766.847
	2014	1221220.945	914863.992	306356.953
	2015	1258289.311	928030.385	330258.926
	2016	1294830.207	940168.205	354662.003
	2017	1330332.626	951242.656	379089.969
	2018	1360571.987	960118.346	400453.641
	2019	1389848.723	968160.877	421687.845
	2020	1416046.192	975038.413	441007.780
	2021	1440588.850	981065.399	459523.451
	2022	1464157.934	986458.732	477699.202

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

		2023	1486810.237	991302.505	495507.732
		2024	1508591.729	995645.158	512946.572
		2025	1526875.621	999167.355	527708.266
		2026	1543659.810	1002190.382	541469.428
		2027	1559623.774	1004882.065	554741.709
		2028	1574852.850	1007280.908	567571.942
		2029	1589437.452	1009443.731	579993.722
		2030	1600568.199	1011043.456	589524.744
		2031	1610776.297	1012424.134	598352.162
		2032	1620483.563	1013657.826	606825.737
		2033	1629745.442	1014775.364	614970.078
		2034	1638721.425	1015798.521	622922.905
		2035	1644649.404	1016448.153	628201.252
		2036	1650181.590	1017015.390	633166.200
		2037	1655476.066	1017532.102	637943.965
		2038	1660507.914	1018003.356	642504.558
		2039	1665361.569	1018444.765	646916.804
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233347.979	90.854
		1992	348084.047	347743.269	340.778
		1993	467278.318	466426.077	852.241
		1994	584216.907	582486.826	1730.081
		1995	697391.457	694340.788	3050.668
		1996	809471.271	804547.651	4923.620
		1997	922587.668	915077.439	7510.229
		1998	1034072.457	1023298.056	10774.401
		1999	1153475.399	1138294.090	15181.310
		2000	1268050.268	1247499.621	20550.646
		2001	1382786.209	1355580.525	27205.685
		2002	1497557.412	1462251.030	35306.382
		2003	1614405.229	1569523.900	44881.329
		2004	1726672.489	1671021.747	55650.742
		2005	1847277.524	1778521.070	68756.454
		2006	1961009.963	1877959.039	83050.924
		2007	2079868.908	1979842.447	100026.461
		2008	2206755.783	2086547.134	120208.649
		2009	2331993.380	2189595.690	142397.691
		2010	2455130.176	2288706.269	166423.908
		2011	2582657.849	2388831.174	193826.675
		2012	2709719.005	2485939.290	223779.715
		2013	2840547.005	2583019.315	257527.691
		2014	2971677.135	2677480.619	294196.517
		2015	3104538.983	2771404.452	333134.531
		2016	3237650.175	2862327.964	375322.211
		2017	3370561.253	2950313.208	420248.044
		2018	3503136.371	3034560.958	468575.413
		2019	3636402.758	3116206.426	520196.332
		2020	3768054.453	3194528.351	573526.101
		2021	3897675.067	3268566.537	629108.530
		2022	4027307.132	3339506.932	687800.200
		2023	4156698.720	3407170.802	749527.918
		2024	4285772.226	3471593.931	814178.295
		2025	4410759.298	3531962.211	878797.087
		2026	4531411.064	3587031.935	944379.129
		2027	4651145.233	3638949.000	1012196.23
		2028	4769837.872	3687608.271	1082229.60
		2029	4887747.179	3733202.582	1154544.60
2030	4997632.895	3774368.152	1223264.74		
2031	5103301.991	3810912.067	1292389.92		
2032	5207593.613	3844813.790	1362779.82		
2033	5310556.138	3876078.658	1434477.48		
2034	5412542.816	3905003.629	1507539.19		
2035	5500522.473	3929315.620	1571206.85		
2036	5588149.640	3951565.036	1636584.60		
2037	5674667.886	3971986.791	1702681.10		
2038	5760391.289	3990809.146	1769582.14		
2039	5845459.234	4008306.155	1837153.08		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159965.871	63.639
		1992	240642.531	240392.403	250.128
		1993	329362.093	328693.598	668.496
		1994	418569.515	417178.948	1390.567
		1995	509110.357	506550.320	2560.038
		1996	600040.117	595845.524	4194.593
		1997	691159.071	684752.343	6406.728
		1998	782866.899	773616.060	9250.839
		1999	881526.925	868401.165	13125.760
		2000	977880.647	960153.011	17727.636

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

2001	1076787.404	1053309.994	23477.410
2002	1174842.754	1144521.394	30321.359
2003	1275102.681	1236669.308	38433.373
2004	1371026.306	1323678.282	47348.023
2005	1473954.509	1415513.131	58441.378
2006	1574450.828	1503684.633	70766.195
2007	1673790.211	1589315.304	84474.907
2008	1782360.738	1681157.304	101203.434
2009	1892944.209	1772583.693	120360.516
2010	2002131.282	1861071.108	141060.174
2011	2114522.152	1949855.055	164667.098
2012	2228079.372	2037452.755	190626.617
2013	2345377.689	2125455.177	219922.512
2014	2462498.422	2210899.843	251598.579
2015	2581450.312	2296104.755	285345.557
2016	2701959.301	2379802.293	322157.008
2017	2823834.967	2461768.550	362066.417
2018	2938265.081	2536854.101	401410.980
2019	3053254.880	2609826.700	443428.180
2020	3167073.216	2680171.838	486901.377
2021	3279517.699	2747785.364	531732.335
2022	3392060.964	2812914.680	579146.284
2023	3504296.171	2875342.521	628953.650
2024	3616019.231	2934959.990	681059.241
2025	3724611.269	2991183.353	733427.917
2026	3827181.707	3042698.217	784483.490
2027	3928684.441	3091345.710	837338.731
2028	4029124.892	3137180.135	891944.758
2029	4128269.068	3180138.060	948131.008
2030	4221560.174	3219324.420	1002235.75
2031	4304170.584	3252362.600	1051807.98
2032	4384930.537	3282772.786	1102157.75
2033	4464357.691	3310857.419	1153500.27
2034	4542251.545	3336641.866	1205609.68
2035	4611066.648	3358831.763	1252234.89
2036	4670309.230	3376611.167	1293698.06
2037	4728179.514	3392828.354	1335351.16
2038	4785008.048	3407704.488	1377303.56
2039	4841291.793	3421443.059	1419848.73

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2575282.179	4583.179
		1992	3830683.831	3813382.974	17300.857
		1993	5076567.803	5035278.457	41289.346
		1994	6292145.526	6213288.168	78857.358
		1995	7485537.010	7352826.587	132710.423
		1996	8655955.028	8451859.359	204095.668
		1997	9791729.713	9499047.813	292681.900
		1998	10899134.186	10500705.188	398428.998
		1999	12070409.674	11527766.446	542643.229
		2000	13231384.595	12522600.949	708783.647
		2001	14371761.018	13473715.173	898045.845
		2002	15508906.386	14394582.885	1114323.50
		2003	16638100.422	15282772.869	1355327.55
		2004	17736465.088	16124318.854	1612146.23
		2005	18834658.606	16943286.873	1891371.73
		2006	19909100.501	17716379.418	2192721.08
		2007	20958321.463	18449865.574	2508455.89
		2008	22000068.148	19158313.920	2841754.23
		2009	23018816.903	19831725.600	3187091.30
		2010	24018480.537	20471886.536	3546594.00
		2011	25003034.574	21082112.927	3920921.65
		2012	25969871.429	21661313.814	4308557.62
		2013	26920275.180	22211002.799	4709272.38
		2014	27849005.227	22728824.776	5120180.45
		2015	28749620.400	23218046.032	5531574.37
		2016	29622417.562	23669460.242	5952957.32
		2017	30462559.724	24085734.340	6376825.38
		2018	31293299.299	24485256.932	6808042.37
		2019	32109993.427	24863875.610	7246117.82
		2020	32883323.977	25217270.824	7666053.15
		2021	33610102.554	25525434.335	8084668.22
		2022	34322010.448	25815346.163	8506664.29
		2023	35018383.550	26086888.991	8931494.56
		2024	35700177.955	26341428.942	9358749.01
		2025	36315500.346	26571695.547	9743804.80
		2026	36896159.343	26767744.717	10128414.6
		2027	37462570.116	26950546.758	10512023.4
		2028	38015337.780	27119739.593	10895598.2
		2029	38554814.764	27276848.417	11277966.3
		2030	39003805.400	27411537.449	11592268.0
		2031	39436509.703	27525895.536	11910614.2
2032	39858470.458	27631483.145	12226987.3		
2033	40270147.082	27728307.500	12541839.6		
2034	40672665.743	27818233.599	12854432.1		
2035	40962732.664	27887016.261	13075716.4		
2036	41255021.653	27948691.640	13306330.0		
2037	41540573.023	28005443.913	13535129.1		
2038	41820158.066	28057792.597	13762365.5		
2039	42093547.949	28106830.829	13986717.1		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1181134.661	1436.592	
1992		1777346.679	1771799.355	5547.324	
1993		2380261.899	2366815.344	13446.555	
1994		2983130.039	2957046.832	26083.207	
1995		3588982.584	3544444.030	44538.554	
1996		4195430.235	4125202.448	70227.787	
1997		4793866.694	4691668.817	102197.878	
1998		5389747.381	5248428.424	141318.957	
1999		6006722.467	5813753.756	192968.711	
2000		6625758.871	6372553.810	253205.061	
2001		7245135.411	6921124.841	324010.570	
2002		7867492.021	7461679.408	405812.613	
2003		8485051.793	7988032.851	497018.942	
2004		9092994.774	8496043.730	596951.044	
2005		9706032.803	8998063.557	707969.246	
2006		10311907.548	9482953.561	828953.988	
2007		10909437.502	9951765.825	957671.677	
2008		11506462.491	10407824.127	1098638.36	
2009		12098393.287	10851344.803	1247048.48	
2010		12681188.981	11277418.914	1403770.07	

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

		2011	13260062.991	11689321.263	1570741.73
		2012	13839417.441	12089815.924	1749601.52
		2013	14409614.758	12474174.142	1935440.62
		2014	14976658.746	12844074.313	2132584.43
		2015	15529977.821	13196632.226	2333345.60
		2016	16066640.764	13527081.392	2539559.37
		2017	16590035.078	13839036.297	2750998.78
		2018	17098716.137	14135742.210	2962973.93
		2019	17599868.850	14418930.682	3180938.17
		2020	18081346.241	14685963.699	3395382.54
		2021	18537594.460	14928711.338	3608883.12
		2022	18985300.234	15158541.416	3826758.82
		2023	19423958.747	15375448.494	4048510.25
		2024	19853347.772	15579498.857	4273848.91
		2025	20252822.245	15766797.897	4486024.35
		2026	20619307.063	15929958.750	4689348.31
		2027	20976063.406	16082012.827	4894050.58
		2028	21323641.947	16223489.230	5100152.72
		2029	21662117.106	16354686.472	5307430.63
		2030	21960971.694	16469991.909	5490979.78
		2031	22224951.983	16564249.562	5660702.42
		2032	22480397.853	16650522.472	5829875.38
		2033	22728639.455	16729777.204	5998862.25
		2034	22970448.888	16802423.950	6168024.94
		2035	23164154.188	16861209.567	6302944.62
		2036	23334538.616	16907996.706	6426541.91
		2037	23499760.723	16950716.923	6549043.80
		2038	23660308.401	16989945.127	6670363.27
		2039	23817891.273	17026288.384	6791602.89
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177435.588	308.525
		1992	1750034.892	1748850.997	1183.894
		1993	2319752.308	2316806.256	2946.052
		1994	2872597.339	2866771.133	5826.206
		1995	3411494.825	3401374.225	10120.600
		1996	3945569.726	3929201.798	16367.928
		1997	4463316.362	4438746.769	24569.593
		1998	4975301.180	4940125.363	35175.818
		1999	5473691.125	5425295.504	48395.621
		2000	5977500.570	5912313.571	65186.999
		2001	6474795.516	6389110.654	85684.862
		2002	6968769.705	6858449.100	110320.605
		2003	7460282.140	7320485.480	139796.660
		2004	7947048.275	7773100.563	173947.712
		2005	8430571.669	8217401.505	213170.164
		2006	8903945.390	8646312.692	257632.698
		2007	9364177.982	9057394.392	306783.590
		2008	9822525.458	9459822.722	362702.737
		2009	10275228.886	9850485.583	424743.303
		2010	10720275.500	10227716.551	492558.950
		2011	11155356.373	10589332.056	566024.318
		2012	11582611.617	10936176.811	646434.805
		2013	11998803.791	11266001.287	732802.504
		2014	12402087.090	11577828.306	824258.784
		2015	12793451.706	11873306.081	920145.625
		2016	13160101.653	12142186.348	1017915.30
		2017	13503583.414	12386742.594	1116840.82
		2018	13859755.737	12630583.029	1229172.71
		2019	14211625.176	12863207.748	1348417.43
		2020	14553935.288	13082678.083	1471257.20
		2021	14851747.495	13265945.316	1585802.18
		2022	15144531.004	13438995.785	1705535.22
		2023	15431932.496	13601550.102	1830382.39
		2024	15713920.740	13754031.388	1959889.35
		2025	15979112.816	13893270.511	2085842.30
		2026	16206550.153	14005240.521	2201309.63
		2027	16428826.050	14109493.122	2319332.93
		2028	16645902.186	14205875.017	2440027.17
		2029	16858126.517	14295104.713	2563021.80
		2030	17045220.687	14372303.319	2672917.37
		2031	17208482.610	14433631.549	2774851.06
		2032	17367586.074	14490172.692	2877413.38
		2033	17522716.280	14541920.901	2980795.38
		2034	17674226.555	14589646.060	3084580.50
		2035	17792201.734	14626591.425	3165610.31
		2036	17903508.236	14658117.540	3245390.70
		2037	18012162.345	14687076.371	3325085.97
		2038	18118464.470	14713688.331	3404776.14

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

	Female	2039	18222549.860	14738560.799	3483989.06
		1990	307897.357	307897.357	0.000
		1991	616547.418	616369.139	178.279
		1992	931086.773	930359.439	727.334
		1993	1246155.671	1244326.889	1828.782
		1994	1561212.934	1557545.320	3667.615
		1995	1879967.742	1873416.726	6551.016
		1996	2197488.109	2186839.289	10648.820
		1997	2515698.453	2499448.455	16249.997
		1998	2836249.556	2812669.427	23580.130
		1999	3150201.390	3117531.228	32670.161
		2000	3472722.342	3428568.204	44154.138
		2001	3796994.889	3738622.081	58372.808
		2002	4126619.935	4050880.845	75739.090
		2003	4454982.533	4358923.979	96058.555
		2004	4784343.030	4664466.225	119876.805
		2005	5113443.121	4966072.189	147370.931
		2006	5442543.963	5263353.757	179190.205
		2007	5772441.497	5557047.244	215394.253
		2008	6091911.943	5836985.645	254926.298
		2009	6413671.330	6113895.814	299775.516
		2010	6730763.530	6382159.451	348604.079
		2011	7043614.101	6641597.766	402016.335
		2012	7356270.780	6895351.114	460919.665
		2013	7662551.964	7138462.484	524089.479
		2014	7964551.465	7372711.219	591840.246
		2015	8254895.403	7593414.544	661480.859
		2016	8530661.848	7797381.128	733280.720
		2017	8795826.122	7988345.142	807480.981
		2018	9067233.707	8177117.486	890116.221
		2019	9335343.270	8357637.964	977705.306
		2020	9596110.883	8528545.409	1067565.47
		2021	9833186.859	8679605.034	1153581.82
		2022	10066452.037	8822761.254	1243690.78
		2023	10295503.609	8957905.838	1337597.77
		2024	10520125.318	9085020.245	1435105.07
		2025	10731915.863	9201683.023	1530232.84
		2026	10917495.549	9299987.200	1617508.35
		2027	11098620.885	9391483.173	1707137.71
		2028	11275441.234	9476510.377	1798930.86
		2029	11447962.710	9555204.561	1892758.15
		2030	11601867.623	9623994.933	1977872.69
		2031	11731666.516	9678340.031	2053326.49
		2032	11857585.969	9728041.343	2129544.63
		2033	11980128.625	9773616.658	2206511.97
		2034	12099562.464	9815358.688	2284203.78
		2035	12195919.946	9848647.089	2347272.86
		2036	12278201.969	9874553.400	2403648.57
		2037	12358146.336	9898238.760	2459907.58
		2038	12435978.633	9920019.810	2515958.82
		2039	12512468.845	9940233.967	2572234.88
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1015406.135	3813.260
		1992	1509598.614	1495230.927	14367.687
		1993	1992735.299	1958686.968	34048.331
		1994	2462877.575	2398400.986	64476.589
		1995	2928249.390	2820508.228	107741.161
		1996	3377377.730	3213103.994	164273.736
		1997	3809062.472	3575521.502	233540.969
		1998	4222213.867	3907104.191	315109.676
		1999	4708317.743	4278450.236	429867.507
		2000	5182084.396	4622474.790	559609.606
		2001	5644097.705	4938457.087	705640.618
		2002	6107232.129	5236084.602	871147.527
		2003	6561785.704	5509559.389	1052226.31
		2004	6996156.348	5754702.165	1241454.18
		2005	7426261.361	5982478.019	1443783.34
		2006	7849012.694	6189860.898	1659151.80
		2007	8255300.530	6375650.201	1879650.33
		2008	8650662.040	6543857.727	2106804.31
		2009	9030818.513	6694636.437	2336182.08
		2010	9403026.327	6831914.269	2571112.06
		2011	9767535.506	6956261.950	2811273.56
		2012	10123044.281	7069273.283	3053771.00
		2013	10470104.786	7171516.937	3298587.85
		2014	10807756.112	7263896.474	3543859.64
		2015	11130681.425	7346572.766	3784108.66
		2016	11448966.506	7421959.978	4027006.53

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

		2017	11758164.882	7490585.996	4267578.89
		2018	12054448.241	7550026.008	4504422.23
		2019	12341606.261	7603487.187	4738119.07
		2020	12600728.939	7649625.562	4951103.38
		2021	12861767.105	7692059.952	5169707.15
		2022	13114168.616	7730315.703	5383852.91
		2023	13357894.797	7764684.689	5593210.11
		2024	13593848.521	7795949.742	5797898.78
		2025	13789177.359	7821254.959	5967922.40
		2026	13993401.656	7845485.676	6147915.98
		2027	14190519.224	7867710.494	6322808.73
		2028	14381193.356	7887838.877	6493354.48
		2029	14565171.927	7906422.541	6658749.39
		2030	14697381.605	7919799.971	6777581.63
		2031	14842203.512	7933608.217	6908595.29
		2032	14982485.826	7946295.945	7036189.88
		2033	15118410.647	7957843.010	7160567.64
		2034	15250284.398	7968981.504	7281302.89
		2035	15322911.166	7974977.351	7347933.82
		2036	15405115.031	7981449.543	7423665.49
		2037	15484709.137	7987484.097	7497225.04
		2038	15561812.193	7993139.358	7568672.84
		2039	15635992.616	7998608.161	7637384.46
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	294180.358	942.104
		1992	439962.920	436379.544	3583.376
		1993	584735.615	576179.286	8556.329
		1994	727640.783	711348.237	16292.546
		1995	868486.937	841205.624	27281.313
		1996	1010321.847	967823.344	42498.504
		1997	1144230.930	1083616.644	60614.285
		1998	1274513.622	1192187.323	82326.299
		1999	1426725.938	1314218.770	112507.168
		2000	1573462.680	1427062.515	146400.165
		2001	1719132.015	1533193.755	185938.260
		2002	1863006.732	1632525.646	230481.085
		2003	2002943.227	1723908.625	279034.602
		2004	2137798.705	1807050.914	330747.791
		2005	2271071.245	1884911.970	386159.275
		2006	2400707.731	1955883.589	444824.142
		2007	2523634.512	2019200.126	504434.386
		2008	2648752.232	2079540.217	569212.015
		2009	2765973.961	2132863.861	633110.100
		2010	2881329.235	2182188.654	699140.580
		2011	2994972.694	2227602.837	767369.856
		2012	3108958.829	2269928.019	839030.810
		2013	3218140.416	2308034.172	910106.244
		2014	3328387.914	2343940.911	984447.003
		2015	3435342.796	2377186.015	1058156.78
		2016	3539189.408	2407575.263	1131614.15
		2017	3640041.363	2435247.234	1204794.13
		2018	3732645.362	2458940.012	1273705.35
		2019	3821421.978	2480297.273	1341124.71
		2020	3902115.950	2498889.138	1403226.81
		2021	3984301.053	2516610.192	1467690.86
		2022	4062629.299	2532421.671	1530207.63
		2023	4137348.729	2546561.382	1590787.35
		2024	4208611.493	2559176.601	1649434.89
		2025	4269419.492	2569698.728	1699720.76
		2026	4330969.998	2579652.680	1751317.32
		2027	4389134.306	2588503.148	1800631.16
		2028	4444222.970	2596348.652	1847874.32
		2029	4496447.877	2603361.079	1893086.80
		2030	4536975.698	2608724.823	1928250.87
		2031	4578338.586	2613889.097	1964449.49
		2032	4617397.784	2618497.305	1998900.48
		2033	4654407.697	2622663.966	2031743.73
		2034	4689913.454	2626462.057	2063451.40
		2035	4712518.190	2628840.030	2083678.16
		2036	4735845.827	2631140.560	2104705.27
		2037	4757958.806	2633221.428	2124737.38
		2038	4778813.806	2635113.327	2143700.48
		2039	4798769.065	2636865.479	2161903.59
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	149092.478	370.540
		1992	222966.278	221557.327	1408.951
		1993	296801.879	293357.042	3444.837
		1994	372453.706	365623.225	6830.481

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

	1995	448401.338	436590.121	11811.217
	1996	523536.301	504980.300	18556.001
	1997	596763.211	569657.013	27106.198
	1998	667546.681	630104.436	37442.245
	1999	734925.407	685611.638	49313.769
	2000	803749.361	740143.085	63606.276
	2001	870081.588	790324.998	79756.591
	2002	935347.140	837464.829	97882.310
	2003	1001627.349	882754.334	118873.015
	2004	1066587.976	924909.370	141678.606
	2005	1130548.052	964128.684	166419.368
	2006	1195132.454	1001299.953	193832.500
	2007	1258974.043	1035805.000	223169.043
	2008	1320124.867	1066637.885	253486.982
	2009	1380776.123	1095255.093	285521.030
	2010	1440048.533	1121465.051	318583.481
	2011	1497484.847	1145226.665	352258.181
	2012	1554496.526	1167055.648	387440.879
	2013	1610819.598	1187143.623	423675.975
	2014	1667484.890	1205810.360	461674.529
	2015	1720948.287	1222414.746	498533.540
	2016	1775699.228	1238066.518	537632.710
	2017	1830250.175	1252566.186	577683.988
	2018	1875958.950	1263929.810	612029.140
	2019	1920359.232	1274154.955	646204.277
	2020	1960605.297	1282928.124	677677.174
	2021	1998912.887	1290649.154	708263.734
	2022	2036003.696	1297592.778	738410.917
	2023	2071857.536	1303812.271	768045.265
	2024	2106636.468	1309434.370	797202.098
	2025	2136450.873	1314032.790	822418.084
	2026	2164796.470	1318082.812	846713.658
	2027	2192079.608	1321762.929	870316.679
	2028	2218404.367	1325066.091	893338.276
	2029	2243769.140	1328056.673	915712.467
	2030	2263570.213	1330314.557	933255.655
	2031	2282521.590	1332353.773	950167.817
	2032	2300804.945	1334192.774	966612.170
	2033	2318464.018	1335863.414	982600.604
	2034	2335611.973	1337429.830	998182.143
	2035	2347097.290	1338442.636	1008654.65
	2036	2358248.747	1339384.938	1018863.81
	2037	2369033.655	1340261.918	1028771.74
	2038	2379490.114	1341083.731	1038406.38
	2039	2389546.238	1341867.302	1047678.94
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110619.293	252.569
	1992	165654.454	164667.887	986.568
	1993	220008.519	217615.132	2393.387
	1994	275706.807	270972.935	4733.872
	1995	331417.547	323268.002	8149.545
	1996	387580.161	374687.446	12892.715
	1997	442778.242	423838.904	18939.338
	1998	496117.305	469934.688	26182.617
	1999	548268.214	513568.737	34699.478
	2000	601693.202	556718.734	44974.467
	2001	652221.103	595923.811	56297.292
	2002	703022.600	633646.112	69376.488
	2003	752023.351	668386.663	83636.688
	2004	799826.733	700658.326	99168.407
	2005	847563.928	731318.067	116245.861
	2006	894205.027	759716.666	134488.361
	2007	939571.282	785811.543	153759.739
	2008	983437.578	809653.530	173784.048
	2009	1025803.786	831403.807	194399.979
	2010	1066964.934	851280.018	215684.916
	2011	1106954.044	869407.325	237546.719
	2012	1146108.461	886071.536	260036.925
	2013	1183544.689	901036.028	282508.661
	2014	1221220.945	915147.579	306073.366
	2015	1258289.311	928340.942	329948.369
	2016	1294830.207	940506.195	354324.012
	2017	1330332.626	951608.452	378724.174
	2018	1360571.987	960508.771	400063.216
	2019	1389848.723	968575.561	421273.161
	2020	1416046.192	975476.685	440569.507
	2021	1440588.850	981526.133	459062.717
	2022	1464157.934	986941.039	477216.895

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

COPD	Males	2023	1486810.237	991805.538	495004.700
		2024	1508591.729	996167.926	512423.803
		2025	1526875.621	999708.608	527167.013
		2026	1543659.810	1002748.441	540911.369
		2027	1559623.774	1005455.861	554167.913
		2028	1574852.850	1007869.377	566983.473
		2029	1589437.452	1010046.004	579391.449
		2030	1600568.199	1011657.818	588910.382
		2031	1610776.297	1013049.338	597726.958
		2032	1620483.563	1014293.038	606190.526
		2033	1629745.442	1015419.931	614325.511
		2034	1638721.425	1016451.854	622269.572
		2035	1644649.404	1017108.291	627541.114
		2036	1650181.590	1017681.596	632499.994
		2037	1655476.066	1018203.957	637272.109
		2038	1660507.914	1018680.437	641827.476
		2039	1665361.569	1019126.825	646234.744
		1990	117002.906	117002.906	0.000
		1991	233438.833	233347.979	90.854
		1992	348084.047	347743.722	340.325
		1993	467278.318	466428.191	850.127
		1994	584216.907	582492.824	1724.083
		1995	697391.457	694354.013	3037.444
		1996	809471.271	804573.268	4898.003
		1997	922587.668	915122.528	7465.140
		1998	1034072.457	1023371.198	10701.259
		1999	1153475.399	1138409.068	15066.331
		2000	1268050.268	1247669.502	20380.766
		2001	1382786.209	1355822.435	26963.774
		2002	1497557.412	1462584.353	34973.059
		2003	1614405.229	1569973.665	44431.564
		2004	1726672.489	1671606.756	55065.734
		2005	1847277.524	1779278.665	67998.860
		2006	1961009.963	1878905.875	82104.089
		2007	2079868.908	1981015.981	98852.928
		2008	2206755.783	2087995.587	118760.196
		2009	2331993.380	2191348.486	140644.894
		2010	2455130.176	2290790.665	164339.511
		2011	2582657.849	2391292.255	191365.593
2012	2709719.005	2488808.072	220910.932		
2013	2840547.005	2586340.953	254206.053		
2014	2971677.135	2681289.636	290387.499		
2015	3104538.983	2775752.439	328786.544		
2016	3237650.175	2867247.398	370402.777		
2017	3370561.253	2955839.564	414721.689		
2018	3503136.371	3040718.085	462418.286		
2019	3636402.758	3123025.721	513377.037		
2020	3768054.453	3202039.055	566015.398		
2021	3897675.067	3276779.912	620895.154		
2022	4027307.132	3348441.897	678865.235		
2023	4156698.720	3416841.930	739856.790		
2024	4285772.226	3482013.442	803758.784		
2025	4410759.298	3543137.287	867622.011		
2026	4531411.064	3598935.709	932475.356		
2027	4651145.233	3651580.213	999565.020		
2028	4769837.872	3700959.608	1068878.26		
2029	4887747.179	3747264.490	1140482.69		
2030	4997632.895	3789119.601	1208513.29		
2031	5103301.991	3826301.996	1276999.99		
2032	5207593.613	3860821.734	1346771.88		
2033	5310556.138	3892680.176	1417875.96		
2034	5412542.816	3922176.205	1490366.61		
2035	5500522.473	3947004.850	1553517.62		
2036	5588149.640	3969739.620	1618410.02		
2037	5674667.886	3990621.527	1684046.36		
2038	5760391.289	4009881.177	1750510.11		
2039	5845459.234	4027794.568	1817664.67		
1990	77434.846	77434.846	0.000		
1991	160029.510	159965.871	63.639		
1992	240642.531	240392.485	250.047		
1993	329362.093	328694.037	668.056		
1994	418569.515	417180.340	1389.175		
1995	509110.357	506553.677	2556.680		
1996	600040.117	595852.370	4187.748		
1997	691159.071	684764.813	6394.257		
1998	782866.899	773636.987	9229.912		
1999	881526.925	868435.021	13091.904		
2000	977880.647	960204.356	17676.291		

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

2001	1076787.404	1053385.194	23402.209
2002	1174842.754	1144626.804	30215.949
2003	1275102.681	1236813.584	38289.097
2004	1371026.306	1323868.265	47158.040
2005	1473954.509	1415761.330	58193.179
2006	1574450.828	1503999.549	70451.279
2007	1673790.211	1589706.912	84083.299
2008	1782360.738	1681644.735	100716.003
2009	1892944.209	1773181.321	119762.889
2010	2002131.282	1861790.792	140340.491
2011	2114522.152	1950713.334	163808.818
2012	2228079.372	2038465.255	189614.117
2013	2345377.689	2126641.457	218736.232
2014	2462498.422	2212274.605	250223.817
2015	2581450.312	2297690.725	283759.587
2016	2701959.301	2381618.806	320340.495
2017	2823834.967	2463835.470	359999.497
2018	2938265.081	2539175.942	399089.139
2019	3053254.880	2612419.885	440834.995
2020	3167073.216	2683052.467	484020.749
2021	3279517.699	2750969.979	528547.721
2022	3392060.964	2816417.452	575643.512
2023	3504296.171	2879175.736	625120.435
2024	3616019.231	2939134.084	676885.147
2025	3724611.269	2995707.538	728903.731
2026	3827181.707	3047570.430	779611.277
2027	3928684.441	3096570.645	832113.796
2028	4029124.892	3142760.824	886364.068
2029	4128269.068	3186074.828	942194.240
2030	4221560.174	3225614.335	995945.838
2031	4304170.584	3258971.096	1045199.49
2032	4384930.537	3289690.786	1095239.75
2033	4464357.691	3318076.648	1146281.04
2034	4542251.545	3344151.351	1198100.19
2035	4611066.648	3366614.157	1244452.49
2036	4670309.230	3384621.149	1285688.08
2037	4728179.514	3401052.778	1327126.74
2038	4785008.048	3416131.552	1368876.50
2039	4841291.793	3430062.113	1411229.68

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	275136.873	168774.161
		35-39	1146798.555	705603.389	441195.166
		40-44	2609591.408	1570440.068	1039151.34
		45-49	4775841.753	2836209.574	1939632.18
		50-54	7446969.205	4544187.022	2902782.18
		55-59	8240205.925	5370077.590	2870128.33
		60-64	8772829.118	6123516.674	2649312.44
		65-69	6161494.678	4651936.340	1509558.34
		70-74	2495906.274	1948543.671	547362.602
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	161466.421	67674.140
		35-39	570217.942	397131.249	173086.693
		40-44	1267538.938	866561.503	400977.435
		45-49	2340070.698	1582912.527	757158.171
		50-54	3743803.613	2539807.627	1203995.99
		55-59	4591478.168	3203916.460	1387561.71
		60-64	5207367.788	3766657.014	1440710.77
		65-69	4092181.394	3102450.065	989731.329
70-74		1776092.171	1376479.172	399612.999	
Lung cancer	Males	30-34	66065.017	55060.041	11004.976
		35-39	232509.414	194541.202	37968.212
		40-44	688628.041	565251.751	123376.291
		45-49	1528300.367	1223463.816	304836.551
		50-54	2730187.229	2159157.440	571029.789
		55-59	3909101.673	3074737.078	834364.595
		60-64	4287716.660	3465292.677	822423.982
		65-69	3467897.115	2855105.615	612791.500
		70-74	1312144.343	1098659.871	213484.472
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	43701.012	8212.101
		35-39	189792.904	160008.404	29784.501
		40-44	527596.573	431375.232	96221.341
		45-49	1122524.269	893744.359	228779.909
		50-54	1882214.322	1474055.740	408158.582
		55-59	2595581.943	2010822.780	584759.163
		60-64	2846273.090	2250092.185	596180.905
		65-69	2358758.394	1892971.725	465786.669
70-74		937814.238	765908.627	171905.610	
IHD	Males	30-34	263834.566	143557.108	120277.458
		35-39	692140.150	364728.879	327411.271
		40-44	1519708.432	748408.654	771299.778
		45-49	2568546.697	1189761.634	1378785.06
		50-54	3632929.903	1729813.102	1903116.80
		55-59	2807892.356	1374438.791	1433453.56
		60-64	2599825.934	1443995.927	1155830.01
		65-69	1113578.307	689277.319	424300.989
		70-74	437536.271	302382.772	135153.499
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	46956.020	32693.077
		35-39	193965.908	105655.169	88310.739
		40-44	403380.974	205507.759	197873.216
		45-49	671385.408	326480.719	344904.689
		50-54	1011875.989	509248.324	502627.666
		55-59	849875.715	444655.742	405219.974
		60-64	925490.876	545482.517	380008.359
		65-69	455463.881	300249.716	155214.165
70-74		207681.216	150578.185	57103.032	
Stroke	Males	30-34	73463.650	48112.590	25351.060
		35-39	151934.057	97035.032	54899.024
		40-44	262845.974	161365.895	101480.079
		45-49	383421.246	223759.362	159661.884
		50-54	479872.634	260806.088	219066.546
		55-59	437124.903	224066.231	213058.673
		60-64	419457.235	220988.601	198468.634
		65-69	128180.574	71075.111	57105.463
		70-74	53245.965	32502.460	20743.506
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	44900.567	18018.523

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

		35-39	120806.205	82823.340	37982.865
		40-44	203391.885	132813.524	70578.361
		45-49	278172.097	172637.779	105534.318
		50-54	325979.181	192232.712	133746.469
		55-59	275161.340	155171.481	119989.859
		60-64	268920.493	156199.856	112720.637
		65-69	87956.054	54045.281	33910.772
		70-74	42055.224	27620.224	14434.999
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	28407.134	12140.667
		35-39	70214.933	49298.276	20916.658
		40-44	138408.960	95413.768	42995.192
		45-49	295573.443	199224.762	96348.681
		50-54	603979.438	394410.392	209569.046
		55-59	1086086.992	696835.490	389251.502
		60-64	1465829.290	993239.468	472589.822
		65-69	1451838.682	1036478.296	415360.386
		70-74	692979.695	514998.569	177981.126
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	25908.822	8750.439
		35-39	65652.924	48644.336	17008.588
		40-44	133169.505	96864.988	36304.517
		45-49	267988.924	190049.669	77939.255
		50-54	523734.121	364270.851	159463.269
		55-59	870859.170	593266.457	277592.712
		60-64	1166683.329	814882.456	351800.872
		65-69	1190003.066	855183.343	334819.722
		70-74	588541.493	432372.136	156169.358
		75-79	0.000	0.000	0.000

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	275152.687	168758.347
		35-39	1146798.555	705718.804	441079.751
		40-44	2609591.408	1571167.075	1038424.33
		45-49	4775841.753	2839387.938	1936453.82
		50-54	7446969.205	4553584.218	2893384.99
		55-59	8240205.925	5384765.104	2855440.82
		60-64	8772829.118	6147504.781	2625324.34
		65-69	6161494.678	4671254.820	1490239.86
		70-74	2495906.274	1958295.403	537610.871
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	161470.146	67670.415
		35-39	570217.942	397158.432	173059.510
		40-44	1267538.938	866732.663	400806.275
		45-49	2340070.698	1583666.464	756404.234
		50-54	3743803.613	2542191.257	1201612.36
		55-59	4591478.168	3208411.823	1383066.35
		60-64	5207367.788	3774853.032	1432514.76
		65-69	4092181.394	3110568.033	981613.361
70-74		1776092.171	1381236.535	394855.636	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	55063.315	11001.702
		35-39	232509.414	194575.636	37933.778
		40-44	688628.041	565541.950	123086.092
		45-49	1528300.367	1224991.932	303308.435
		50-54	2730187.229	2164049.285	566137.945
		55-59	3909101.673	3083676.403	825425.270
		60-64	4287716.660	3479573.638	808143.022
		65-69	3467897.115	2866936.399	600960.715
		70-74	1312144.343	1104152.240	207992.104
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	43702.116	8210.996
		35-39	189792.904	160019.961	29772.943
		40-44	527596.573	431466.854	96129.719
		45-49	1122524.269	894195.610	228328.659
		50-54	1882214.322	1475516.956	406697.366
		55-59	2595581.943	2013749.159	581832.784
		60-64	2846273.090	2255166.053	591107.037
		65-69	2358758.394	1897883.933	460874.461
70-74		937814.238	768533.325	169280.913	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	143565.252	120269.314
		35-39	692140.150	364784.131	327356.019
		40-44	1519708.432	748713.084	770995.348
		45-49	2568546.697	1190861.045	1377685.65
		50-54	3632929.903	1732618.199	1900311.70
		55-59	2807892.356	1376920.528	1430971.83
		60-64	2599825.934	1447430.685	1152395.25
		65-69	1113578.307	690671.901	422906.406
		70-74	437536.271	303043.337	134492.934
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	46957.103	32691.993
		35-39	193965.908	105662.071	88303.837
		40-44	403380.974	205543.063	197837.911
		45-49	671385.408	326604.530	344780.878
		50-54	1011875.989	509598.547	502277.442
		55-59	849875.715	445029.186	404846.530
		60-64	925490.876	546119.348	379371.528
		65-69	455463.881	300577.538	154886.343
70-74		207681.216	150774.093	56907.124	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	48115.046	25348.603
		35-39	151934.057	97049.986	54884.071
		40-44	262845.974	161435.390	101410.585
		45-49	383421.246	223986.179	159435.067
		50-54	479872.634	261278.360	218594.273
		55-59	437124.903	224547.766	212577.137
		60-64	419457.235	221625.586	197831.648
		65-69	128180.574	71245.526	56935.048
		70-74	53245.965	32583.462	20662.503
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	44901.429	18017.662

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_2.RTF)

		35-39	120806.205	82828.072	37978.133
		40-44	203391.885	132834.542	70557.344
		45-49	278172.097	172701.447	105470.650
		50-54	325979.181	192365.439	133613.742
		55-59	275161.340	155314.106	119847.233
		60-64	268920.493	156406.667	112513.826
		65-69	87956.054	54113.132	33842.922
		70-74	42055.224	27661.990	14393.233
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	28409.073	12138.728
		35-39	70214.933	49309.051	20905.883
		40-44	138408.960	95476.651	42932.309
		45-49	295573.443	199548.782	96024.661
		50-54	603979.438	395638.374	208341.064
		55-59	1086086.992	699620.407	386466.585
		60-64	1465829.290	998874.872	466954.418
		65-69	1451838.682	1042400.994	409437.688
		70-74	692979.695	518516.364	174463.330
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	25909.497	8749.764
		35-39	65652.924	48648.328	17004.596
		40-44	133169.505	96888.203	36281.302
		45-49	267988.924	190164.878	77824.047
		50-54	523734.121	364710.314	159023.806
		55-59	870859.170	594319.372	276539.798
		60-64	1166683.329	817160.964	349522.365
		65-69	1190003.066	857993.431	332009.635
		70-74	588541.493	434267.127	154274.367
		75-79	0.000	0.000	0.000

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

Estimated Loss of Life from the E Component for Run: 8, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	26300486.682	15793061.3
	Female	2039	23817891.273	15818775.413	7999115.86
Lung cancer	Males	2039	18222549.860	14147466.487	4075083.37
	Female	2039	12512468.845	9391557.112	3120911.73
IHD	Males	2039	15635992.616	7114000.188	8521992.43
	Female	2039	4798769.065	2304086.242	2494682.82
Stroke	Males	2039	2389546.238	1226049.992	1163496.25
	Female	2039	1665361.569	920306.284	745055.286
COPD	Males	2039	5845459.234	3812970.015	2032489.22
	Female	2039	4841291.793	3202825.775	1638466.02

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	26391959.848	15701588.1
	Female	2039	23817891.273	15852101.603	7965789.67
Lung cancer	Males	2039	18222549.860	14202411.503	4020138.36
	Female	2039	12512468.845	9412098.175	3100370.67
IHD	Males	2039	15635992.616	7125934.212	8510058.40
	Female	2039	4798769.065	2306064.012	2492705.05
Stroke	Males	2039	2389546.238	1228242.847	1161303.39
	Female	2039	1665361.569	920987.246	744374.324
COPD	Males	2039	5845459.234	3835371.287	2010087.95
	Female	2039	4841291.793	3212952.171	1628339.62

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2573361.406	6503.951
		1992	3830683.831	3806243.506	24440.325
		1993	5076567.803	5018844.273	57723.530
		1994	6292145.526	6182807.960	109337.566
		1995	7485537.010	7303182.541	182354.469
		1996	8655955.028	8377841.257	278113.771
		1997	9791729.713	9395929.496	395800.217
		1998	10899134.186	10364407.322	534726.864
		1999	12070409.674	11348052.063	722357.612
		2000	13231384.595	12294932.643	936451.952
		2001	14371761.018	13194249.040	1177511.98
		2002	15508906.386	14059074.166	1449832.22
		2003	16638100.422	14888281.002	1749819.42
		2004	17736465.088	15669512.977	2066952.11
		2005	18834658.606	16425896.812	2408761.79
		2006	19909100.501	17135331.196	2773769.31
		2007	20958321.463	17805044.285	3153277.18
		2008	22000068.148	18449551.096	3550517.05
		2009	23018816.903	19059659.499	3959157.40
		2010	24018480.537	19637178.542	4381301.99
		2011	25003034.574	20185640.687	4817393.89
		2012	25969871.429	20704070.501	5265800.93
		2013	26920275.180	21193940.742	5726334.44
		2014	27849005.227	21653772.058	6195233.17
		2015	28749620.400	22087004.296	6662616.10
		2016	29622417.562	22484530.057	7137887.50
		2017	30462559.724	22849121.977	7613437.75
		2018	31293299.299	23199070.998	8094228.30
		2019	32109993.427	23529775.266	8580218.16
		2020	32883323.977	23837309.078	9046014.90
		2021	33610102.554	24104187.073	9505915.48
		2022	34322010.448	24354411.704	9967598.74
		2023	35018383.550	24588091.483	10430292.1
		2024	35700177.955	24806476.717	10893701.2
		2025	36315500.346	25003407.326	11312093.0
		2026	36896159.343	25170479.328	11725680.0
		2027	37462570.116	25325673.474	12136896.6
		2028	38015337.780	25469126.298	12546211.5
		2029	38554814.764	25602122.599	12952692.2
		2030	39003805.400	25715695.126	13288110.3
		2031	39436509.703	25812131.470	13624378.2
2032	39858470.458	25901190.700	13957279.8		
2033	40270147.082	25982893.766	14287253.3		
2034	40672665.743	26058459.640	14614206.1		
2035	40962732.664	26115918.256	14846814.4		
2036	41255021.653	26167557.362	15087464.3		
2037	41540573.023	26215281.879	15325291.1		
2038	41820158.066	26259412.888	15560745.2		
2039	42093547.949	26300486.682	15793061.3		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1180438.918	2132.335
		1992	1777346.679	1769241.149	8105.530
		1993	2380261.899	2360737.613	19524.286
		1994	2983130.039	2945463.227	37666.812
		1995	3588982.584	3525214.502	63768.081
		1996	4195430.235	4095769.125	99661.110
		1997	4793866.694	4649931.177	143935.518
		1998	5389747.381	5192192.213	197555.168
		1999	6006722.467	5738937.772	267784.695
		2000	6625758.871	6276863.139	348895.732
		2001	7245135.411	6802080.759	443054.652
		2002	7867492.021	7316797.383	550694.638
		2003	8485051.793	7815566.642	669485.151
		2004	9092994.774	8294342.622	798652.152
		2005	9706032.803	8764803.544	941229.259
		2006	10311907.548	9216667.310	1095240.24
		2007	10909437.502	9651435.361	1258002.14
		2008	11506462.491	10071932.070	1434530.42
		2009	12098393.287	10479031.454	1619361.83
		2010	12681188.981	10867775.075	1813413.91

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

		2011	13260062.991	11241385.623	2018677.37
		2012	13839417.441	11602539.969	2236877.47
		2013	14409614.758	11947446.573	2462168.19
		2014	14976658.746	12277124.419	2699534.33
		2015	15529977.821	12589387.019	2940590.80
		2016	16066640.764	12879905.204	3186735.56
		2017	16590035.078	13152493.616	3437541.46
		2018	17098716.137	13410681.367	3688034.77
		2019	17599868.850	13655466.505	3944402.35
		2020	18081346.241	13885090.781	4196255.46
		2021	18537594.460	14092176.920	4445417.54
		2022	18985300.234	14286962.763	4698337.47
		2023	19423958.747	14469667.195	4954291.55
		2024	19853347.772	14640405.846	5212941.93
		2025	20252822.245	14796478.500	5456343.74
		2026	20619307.063	14931514.622	5687792.44
		2027	20976063.406	15056539.234	5919524.17
		2028	21323641.947	15172312.538	6151329.41
		2029	21662117.106	15279164.983	6382952.12
		2030	21960971.694	15372904.430	6588067.26
		2031	22224951.983	15449107.857	6775844.13
		2032	22480397.853	15518665.641	6961732.21
		2033	22728639.455	15582250.837	7146388.62
		2034	22970448.888	15640302.269	7330146.62
		2035	23164154.188	15687248.655	7476905.53
		2036	23334538.616	15724638.182	7609900.43
		2037	23499760.723	15758844.276	7740916.45
		2038	23660308.401	15790038.162	7870270.24
		2039	23817891.273	15818775.413	7999115.86
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177279.340	464.773
		1992	1750034.892	1748255.632	1779.260
		1993	2319752.308	2315371.480	4380.828
		1994	2872597.339	2864020.871	8576.468
		1995	3411494.825	3396770.068	14724.757
		1996	3945569.726	3922052.046	23517.680
		1997	4463316.362	4428373.866	34942.497
		1998	4975301.180	4925727.967	49573.214
		1999	5473691.125	5406023.390	67667.735
		2000	5977500.570	5887055.821	90444.749
		2001	6474795.516	6356822.225	117973.291
		2002	6968769.705	6817934.271	150835.434
		2003	7460282.140	7270497.244	189784.896
		2004	7947048.275	7712320.533	234727.742
		2005	8430571.669	8144537.034	286034.635
		2006	8903945.390	8560184.112	343761.278
		2007	9364177.982	8956918.286	407259.696
		2008	9822525.458	9343593.527	478931.932
		2009	10275228.886	9717161.882	558067.004
		2010	10720275.500	10076227.898	644047.602
		2011	11155356.373	10418664.461	736691.913
		2012	11582611.617	10745288.523	837323.093
		2013	11998803.791	11054132.088	944671.703
		2014	12402087.090	11344511.996	1057575.09
		2015	12793451.706	11618133.490	1175318.22
		2016	13160101.653	11865568.750	1294532.90
		2017	13503583.414	12089193.705	1414389.71
		2018	13859755.737	12310593.023	1549162.71
		2019	14211625.176	12520467.849	1691157.33
		2020	14553935.288	12717215.076	1836720.21
		2021	14851747.495	12880477.991	1971269.50
		2022	15144531.004	13033463.485	2111067.52
		2023	15431932.496	13176251.859	2255680.64
		2024	15713920.740	13309427.175	2404493.57
		2025	15979112.816	13430266.276	2548846.54
		2026	16206550.153	13526957.632	2679592.52
		2027	16428826.050	13616364.515	2812461.54
		2028	16645902.186	13698629.757	2947272.43
		2029	16858126.517	13774544.008	3083582.51
		2030	17045220.687	13839801.488	3205419.20
		2031	17208482.610	13891563.737	3316918.87
		2032	17367586.074	13939181.938	3428404.14
		2033	17522716.280	13982714.405	3540001.87
		2034	17674226.555	14022789.742	3651436.81
		2035	17792201.734	14053548.150	3738653.58
		2036	17903508.236	14079899.239	3823609.00
		2037	18012162.345	14104203.286	3907959.06
		2038	18118464.470	14126618.009	3991846.46

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

	Female	2039	18222549.860	14147466.487	4075083.37
		1990	307897.357	307897.357	0.000
		1991	616547.418	616259.828	287.590
		1992	931086.773	929945.806	1140.967
		1993	1246155.671	1243331.482	2824.189
		1994	1561212.934	1555606.125	5606.810
		1995	1879967.742	1870097.376	9870.366
		1996	2197488.109	2181641.906	15846.203
		1997	2515698.453	2491804.333	23894.119
		1998	2836249.556	2801950.603	34298.953
		1999	3150201.390	3103095.115	47106.274
		2000	3472722.342	3409579.024	63143.318
		2001	3796994.889	3714232.943	82761.946
		2002	4126619.935	4020082.736	106537.199
		2003	4454982.533	4320850.189	134132.345
		2004	4784343.030	4618007.391	166335.639
		2005	5113443.121	4910116.119	203327.002
		2006	5442543.963	5196717.118	245826.844
		2007	5772441.497	5478465.471	293976.026
		2008	6091911.943	5745722.578	346189.365
		2009	6413671.330	6008545.858	405125.472
		2010	6730763.530	6261717.687	469045.843
		2011	7043614.101	6505037.449	538576.652
		2012	7356270.780	6741483.343	614787.437
		2013	7662551.964	6966539.201	696012.763
		2014	7964551.465	7181849.652	782701.812
		2015	8254895.403	7383301.252	871594.151
		2016	8530661.848	7567946.167	962715.680
		2017	8795826.122	7739510.267	1056315.85
		2018	9067233.707	7907663.255	1159570.45
		2019	9335343.270	8067074.444	1268268.83
		2020	9596110.883	8216813.172	1379297.71
		2021	9833186.859	8348098.801	1485088.06
		2022	10066452.037	8471381.202	1595070.83
		2023	10295503.609	8586777.021	1708726.59
		2024	10520125.318	8694329.303	1825796.01
		2025	10731915.863	8792353.027	1939562.84
		2026	10917495.549	8874304.848	2043190.70
		2027	11098620.885	8949887.968	2148732.92
		2028	11275441.234	9019624.351	2255816.88
		2029	11447962.710	9083705.160	2364257.55
		2030	11601867.623	9139496.290	2462371.33
		2031	11731666.516	9183325.790	2548340.73
		2032	11857585.969	9223244.190	2634341.78
		2033	11980128.625	9259622.847	2720505.78
		2034	12099562.464	9292752.437	2806810.03
		2035	12195919.946	9319128.134	2876791.81
		2036	12278201.969	9339696.455	2938505.51
		2037	12358146.336	9358535.468	2999610.87
		2038	12435978.633	9375716.161	3060262.47
		2039	12512468.845	9391557.112	3120911.73
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1013854.137	5365.258
		1992	1509598.614	1489477.027	20121.587
		1993	1992735.299	1945552.429	47182.870
		1994	2462877.575	2374227.500	88650.075
		1995	2928249.390	2781351.257	146898.133
		1996	3377377.730	3155131.836	222245.893
		1997	3809062.472	3495380.415	313682.057
		1998	4222213.867	3802126.629	420087.238
		1999	4708317.743	4139950.155	568367.588
		2000	5182084.396	4447767.905	734316.491
		2001	5644097.705	4725270.600	918827.105
		2002	6107232.129	4981958.643	1125273.49
		2003	6561785.704	5213474.613	1348311.09
		2004	6996156.348	5417041.527	1579114.82
		2005	7426261.361	5602916.852	1823344.51
		2006	7849012.694	5768755.771	2080256.92
		2007	8255300.530	5914483.239	2340817.29
		2008	8650662.040	6044233.066	2606428.97
		2009	9030818.513	6158739.994	2872078.52
		2010	9403026.327	6261498.262	3141528.06
		2011	9767535.506	6353445.775	3414089.73
		2012	10123044.281	6436121.753	3686922.53
		2013	10470104.786	6509970.388	3960134.40
		2014	10807756.112	6576280.566	4231475.55
		2015	11130681.425	6635300.336	4495381.09
		2016	11448966.506	6688781.298	4760185.21

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

		2017	11758164.882	6737159.388	5021005.49
		2018	12054448.241	6779371.086	5275077.16
		2019	12341606.261	6817436.628	5524169.63
		2020	12600728.939	6849934.811	5750794.13
		2021	12861767.105	6880246.375	5981520.73
		2022	13114168.616	6907892.745	6206275.87
		2023	13357894.797	6932935.837	6424958.96
		2024	13593848.521	6955872.202	6637976.32
		2025	13789177.359	6974324.575	6814852.78
		2026	13993401.656	6992403.129	7000998.53
		2027	14190519.224	7009233.570	7181285.65
		2028	14381193.356	7024771.103	7356422.25
		2029	14565171.927	7039223.054	7525948.87
		2030	14697381.605	7049541.718	7647839.89
		2031	14842203.512	7060536.456	7781667.06
		2032	14982485.826	7070852.282	7911633.54
		2033	15118410.647	7080414.717	8037995.93
		2034	15250284.398	7089466.392	8160818.01
		2035	15322911.166	7094308.903	8228602.26
		2036	15405115.031	7099635.867	8305479.16
		2037	15484709.137	7104695.907	8380013.23
		2038	15561812.193	7109489.557	8452322.64
		2039	15635992.616	7114000.188	8521992.43
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293760.360	1362.103
		1992	439962.920	434848.854	5114.066
		1993	584735.615	572566.987	12168.629
		1994	727640.783	704550.820	23089.962
		1995	868486.937	830079.953	38406.985
		1996	1010321.847	950944.419	59377.429
		1997	1144230.930	1060063.964	84166.965
		1998	1274513.622	1160942.151	113571.470
		1999	1426725.938	1272567.571	154158.367
		2000	1573462.680	1374190.638	199272.041
		2001	1719132.015	1467939.320	251192.695
		2002	1863006.732	1553995.846	309010.886
		2003	2002943.227	1631658.000	371285.228
		2004	2137798.705	1700874.721	436923.984
		2005	2271071.245	1764357.634	506713.611
		2006	2400707.731	1820924.330	579783.401
		2007	2523634.512	1870350.718	653283.795
		2008	2648752.232	1916590.386	732161.846
		2009	2765973.961	1956696.788	809277.173
		2010	2881329.235	1993061.117	888268.118
		2011	2994972.694	2025888.756	969083.938
		2012	3108958.829	2055997.017	1052961.81
		2013	3218140.416	2082741.283	1135399.13
		2014	3328387.914	2107630.233	1220757.68
		2015	3435342.796	2130383.530	1304959.27
		2016	3539189.408	2150933.043	1388256.37
		2017	3640041.363	2169510.255	1470531.11
		2018	3732645.362	2185322.636	1547322.73
		2019	3821421.978	2199450.104	1621971.87
		2020	3902115.950	2211657.930	1690458.02
		2021	3984301.053	2223215.772	1761085.28
		2022	4062629.299	2233502.621	1829126.68
		2023	4137348.729	2242687.360	1894661.37
		2024	4208611.493	2250899.721	1957711.77
		2025	4269419.492	2257742.709	2011676.78
		2026	4330969.998	2264295.436	2066674.56
		2027	4389134.306	2270177.655	2118956.65
		2028	4444222.970	2275436.985	2168785.98
		2029	4496447.877	2280223.012	2216224.86
		2030	4536975.698	2283884.308	2253091.39
		2031	4578338.586	2287461.879	2290876.71
		2032	4617397.784	2290710.613	2326687.17
		2033	4654407.697	2293653.557	2360754.14
		2034	4689913.454	2296381.041	2393532.41
		2035	4712518.190	2298068.072	2414450.12
		2036	4735845.827	2299749.131	2436096.70
		2037	4757958.806	2301302.525	2456656.28
		2038	4778813.806	2302730.163	2476083.64
		2039	4798769.065	2304086.242	2494682.82
	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148929.896	533.122
		1992	222966.278	220954.819	2011.459
		1993	296801.879	291955.947	4845.931
		1994	372453.706	362966.356	9487.349
Stroke					

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

	1995	448401.338	432206.455	16194.883
	1996	523536.301	498382.684	25153.617
	1997	596763.211	560388.140	36375.071
	1998	667546.681	617782.869	49763.813
	1999	734925.407	669909.502	65015.905
	2000	803749.361	720555.346	83194.015
	2001	870081.588	766624.736	103456.852
	2002	935347.140	809386.235	125960.905
	2003	1001627.349	849970.412	151656.937
	2004	1066587.976	887248.449	179339.526
	2005	1130548.052	921483.679	209064.372
	2006	1195132.454	953506.080	241626.374
	2007	1258974.043	982850.198	276123.845
	2008	1320124.867	1008737.692	311387.175
	2009	1380776.123	1032470.189	348305.934
	2010	1440048.533	1053950.701	386097.832
	2011	1497484.847	1073209.934	424274.913
	2012	1554496.526	1090725.306	463771.220
	2013	1610819.598	1106665.085	504154.513
	2014	1667484.890	1121362.039	546122.851
	2015	1720948.287	1134303.142	586645.145
	2016	1775699.228	1146416.234	629282.994
	2017	1830250.175	1157536.301	672713.873
	2018	1875958.950	1166194.438	709764.512
	2019	1920359.232	1173973.161	746386.071
	2020	1960605.297	1180581.558	780023.739
	2021	1998912.887	1186411.053	812501.835
	2022	2036003.696	1191655.622	844348.073
	2023	2071857.536	1196359.441	875498.096
	2024	2106636.468	1200630.636	906005.832
	2025	2136450.873	1204101.216	932349.657
	2026	2164796.470	1207180.983	957615.487
	2027	2192079.608	1209993.665	982085.943
	2028	2218404.367	1212551.177	1005853.19
	2029	2243769.140	1214891.921	1028877.22
	2030	2263570.213	1216642.849	1046927.36
	2031	2282521.590	1218254.608	1064266.98
	2032	2300804.945	1219735.386	1081069.56
	2033	2318464.018	1221099.613	1097364.40
	2034	2335611.973	1222377.832	1113234.14
	2035	2347097.290	1223202.869	1123894.42
	2036	2358248.747	1223977.737	1134271.01
	2037	2369033.655	1224709.621	1144324.03
	2038	2379490.114	1225401.177	1154088.94
	2039	2389546.238	1226049.992	1163496.25
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110500.281	371.581
	1992	165654.454	164228.863	1425.592
	1993	220008.519	216583.930	3424.589
	1994	275706.807	268988.409	6718.398
	1995	331417.547	319958.011	11459.536
	1996	387580.161	369629.729	17950.432
	1997	442778.242	416643.268	26134.974
	1998	496117.305	460291.560	35825.744
	1999	548268.214	501137.984	47130.230
	2000	601693.202	541072.552	60620.650
	2001	652221.103	576921.913	75299.189
	2002	703022.600	610964.829	92057.771
	2003	752023.351	641917.012	110106.339
	2004	799826.733	670246.286	129580.446
	2005	847563.928	696753.926	150810.002
	2006	894205.027	720935.214	173269.813
	2007	939571.282	742811.750	196759.532
	2008	983437.578	762521.733	220915.845
	2009	1025803.786	780231.908	245571.878
	2010	1066964.934	796167.662	270797.272
	2011	1106954.044	810471.948	296482.097
	2012	1146108.461	823438.674	322669.786
	2013	1183544.689	834928.705	348615.985
	2014	1221220.945	845620.776	375600.170
	2015	1258289.311	855487.731	402801.580
	2016	1294830.207	864470.922	430359.285
	2017	1330332.626	872568.567	457764.059
	2018	1360571.987	878997.362	481574.625
	2019	1389848.723	884756.459	505092.263
	2020	1416046.192	889633.995	526412.198
	2021	1440588.850	893869.663	546719.186
	2022	1464157.934	897641.954	566515.980

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

		2023	1486810.237	901018.442	585791.796
		2024	1508591.729	904040.125	604551.605
		2025	1526875.621	906483.066	620392.555
		2026	1543659.810	908590.325	635069.484
		2027	1559623.774	910480.596	649143.178
		2028	1574852.850	912171.256	662681.594
		2029	1589437.452	913703.879	675733.573
		2030	1600568.199	914840.118	685728.081
		2031	1610776.297	915831.773	694944.524
		2032	1620483.563	916730.317	703753.246
		2033	1629745.442	917543.233	712202.209
		2034	1638721.425	918292.508	720428.918
		2035	1644649.404	918769.110	725880.294
		2036	1650181.590	919195.638	730985.952
		2037	1655476.066	919591.564	735884.502
		2038	1660507.914	919957.525	740550.388
		2039	1665361.569	920306.284	745055.286
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233298.034	140.799
		1992	348084.047	347556.028	528.019
		1993	467278.318	465964.417	1313.901
		1994	584216.907	581593.233	2623.674
		1995	697391.457	692854.761	4536.696
		1996	809471.271	802274.691	7196.580
		1997	922587.668	911787.075	10800.593
		1998	1034072.457	1018769.857	15302.599
		1999	1153475.399	1132169.016	21306.383
		2000	1268050.268	1239553.571	28496.697
		2001	1382786.209	1345531.480	37254.730
		2002	1497557.412	1449795.017	47762.395
		2003	1614405.229	1554338.732	60066.497
		2004	1726672.489	1652902.468	73770.021
		2005	1847277.524	1756959.246	90318.278
		2006	1961009.963	1852885.233	108124.731
		2007	2079868.908	1950792.561	129076.347
		2008	2206755.783	2052986.811	153768.972
		2009	2331993.380	2151287.433	180705.948
		2010	2455130.176	2245501.680	209628.496
		2011	2582657.849	2340320.518	242337.331
		2012	2709719.005	2431934.919	277784.086
		2013	2840547.005	2523173.181	317373.825
		2014	2971677.135	2611617.458	360059.677
		2015	3104538.983	2699267.328	405271.655
		2016	3237650.175	2783763.775	453886.400
		2017	3370561.253	2865232.583	505328.670
		2018	3503136.371	2942912.451	560223.920
		2019	3636402.758	3017897.628	618505.130
		2020	3768054.453	3089577.633	678476.820
		2021	3897675.067	3157051.654	740623.412
		2022	4027307.132	3221399.851	805907.281
		2023	4156698.720	3282544.345	874154.375
		2024	4285772.226	3340546.704	945225.521
		2025	4410759.298	3394715.259	1016044.04
		2026	4531411.064	3443937.584	1087473.48
		2027	4651145.233	3490081.725	1161063.51
		2028	4769837.872	3533174.260	1236663.61
		2029	4887747.179	3573463.616	1314283.56
2030	4997632.895	3609709.071	1387923.82		
2031	5103301.991	3641776.669	1461525.32		
2032	5207593.613	3671421.094	1536172.52		
2033	5310556.138	3698665.031	1611891.11		
2034	5412542.816	3723825.675	1688717.14		
2035	5500522.473	3744858.334	1755664.14		
2036	5588149.640	3764044.520	1824105.12		
2037	5674667.886	3781673.066	1892994.82		
2038	5760391.289	3797904.145	1962487.14		
2039	5845459.234	3812970.015	2032489.22		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159918.449	111.061
		1992	240642.531	240217.626	424.905
		1993	329362.093	328255.214	1106.879
		1994	418569.515	416317.873	2251.642
		1995	509110.357	505079.163	4031.195
		1996	600040.117	593553.071	6487.046
		1997	691159.071	681419.611	9739.459
		1998	782866.899	769007.899	13858.999
		1999	881526.925	862137.102	19389.823
		2000	977880.647	952020.924	25859.723

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

2001	1076787.404	1042986.582	33800.821
2002	1174842.754	1131753.972	43088.781
2003	1275102.681	1221141.441	53961.240
2004	1371026.306	1305214.223	65812.082
2005	1473954.509	1393575.865	80378.644
2006	1574450.828	1478090.648	96360.180
2007	1673790.211	1559807.422	113982.790
2008	1782360.738	1647097.372	135263.365
2009	1892944.209	1733556.899	159387.310
2010	2002131.282	1816828.610	185302.673
2011	2114522.152	1899987.470	214534.682
2012	2228079.372	1981620.935	246458.436
2013	2345377.689	2063237.385	282140.304
2014	2462498.422	2142023.758	320474.664
2015	2581450.312	2220214.506	361235.805
2016	2701959.301	2296555.071	405404.230
2017	2823834.967	2370904.527	452930.441
2018	2938265.081	2438698.113	499566.967
2019	3053254.880	2504185.498	549069.382
2020	3167073.216	2566985.683	600087.533
2021	3279517.699	2626992.684	652525.015
2022	3392060.964	2684436.986	707623.978
2023	3504296.171	2739184.372	765111.799
2024	3616019.231	2791136.698	824882.533
2025	3724611.269	2839899.698	884711.571
2026	3827181.707	2884324.012	942857.695
2027	3928684.441	2925993.016	1002691.43
2028	4029124.892	2965079.946	1064044.95
2029	4128269.068	3001532.932	1126736.14
2030	4221560.174	3034683.714	1186876.46
2031	4304170.584	3062488.415	1241682.17
2032	4384930.537	3087980.522	1296950.02
2033	4464357.691	3111431.200	1352926.49
2034	4542251.545	3132876.284	1409375.26
2035	4611066.648	3151283.339	1459783.31
2036	4670309.230	3165996.959	1504312.27
2037	4728179.514	3179414.720	1548764.79
2038	4785008.048	3191634.313	1593373.74
2039	4841291.793	3202825.775	1638466.02

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2573361.406	6503.951
		1992	3830683.831	3806251.804	24432.027
		1993	5076567.803	5018882.422	57685.381
		1994	6292145.526	6182914.397	109231.129
		1995	7485537.010	7303414.119	182122.890
		1996	8655955.028	8378273.934	277681.094
		1997	9791729.713	9396655.538	395074.174
		1998	10899134.186	10365534.052	533600.133
		1999	12070409.674	11349733.336	720676.338
		2000	13231384.595	12297336.410	934048.185
		2001	14371761.018	13197544.547	1174216.47
		2002	15508906.386	14063452.357	1445454.03
		2003	16638100.422	14893939.035	1744161.39
		2004	17736465.088	15676631.765	2059833.32
		2005	18834658.606	16434695.566	2399963.04
		2006	19909100.501	17145973.838	2763126.66
		2007	20958321.463	17817703.754	3140617.71
		2008	22000068.148	18464435.186	3535632.96
		2009	23018816.903	19076933.719	3941883.18
		2010	24018480.537	19656998.765	4361481.77
		2011	25003034.574	20208162.747	4794871.83
		2012	25969871.429	20729418.301	5240453.13
		2013	26920275.180	21222234.971	5698040.21
		2014	27849005.227	21685105.027	6163900.20
		2015	28749620.400	22121492.490	6628127.91
		2016	29622417.562	22522168.483	7100249.08
		2017	30462559.724	22889900.742	7572658.98
		2018	31293299.299	23243091.799	8050207.50
		2019	32109993.427	23577091.260	8532902.17
		2020	32883323.977	23887957.604	8995366.37
		2021	33610102.554	24157916.462	9452186.09
		2022	34322010.448	24411214.421	9910796.03
		2023	35018383.550	24647942.098	10370441.5
		2024	35700177.955	24869346.878	10830831.1
		2025	36315500.346	25069237.069	11246263.3
		2026	36896159.343	25238920.382	11657239.0
		2027	37462570.116	25396662.911	12065907.2
		2028	38015337.780	25542587.919	12472749.9
		2029	38554814.764	25677979.204	12876835.6
		2030	39003805.400	25793792.315	13210013.1
		2031	39436509.703	25892168.055	13544341.6
2032	39858470.458	25983082.177	13875388.3		
2033	40270147.082	26066544.420	14203602.7		
2034	40672665.743	26143788.778	14528877.0		
2035	40962732.664	26202665.160	14760067.5		
2036	41255021.653	26255579.721	14999441.9		
2037	41540573.023	26304515.143	15236057.9		
2038	41820158.066	26349794.900	15470363.2		
2039	42093547.949	26391959.848	15701588.1		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1180438.918	2132.335
		1992	1777346.679	1769242.457	8104.222
		1993	2380261.899	2360743.969	19517.930
		1994	2983130.039	2945481.878	37648.161
		1995	3588982.584	3525256.992	63725.591
		1996	4195430.235	4095851.794	99578.441
		1997	4793866.694	4650075.209	143791.485
		1998	5389747.381	5192424.387	197322.994
		1999	6006722.467	5739293.298	267429.169
		2000	6625758.871	6277384.574	348374.297
		2001	7245135.411	6802813.439	442321.972
		2002	7867492.021	7317792.076	549699.945
		2003	8485051.793	7816878.579	668173.214
		2004	9092994.774	8296025.058	796969.716
		2005	9706032.803	8766919.732	939113.071
		2006	10311907.548	9219274.740	1092632.81
		2007	10909437.502	9654595.153	1254842.35
		2008	11506462.491	10075709.580	1430752.91
		2009	12098393.287	10483492.122	1614901.16
		2010	12681188.981	10872976.488	1808212.49

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

		2011	13260062.991	11247388.693	2012674.30
		2012	13839417.441	11609410.152	2230007.29
		2013	14409614.758	11955240.892	2454373.87
		2014	14976658.746	12285899.130	2690759.62
		2015	15529977.821	12599196.314	2930781.51
		2016	16066640.764	12890777.929	3175862.84
		2017	16590035.078	13164467.717	3425567.36
		2018	17098716.137	13423797.171	3674918.97
		2019	17599868.850	13669761.126	3930107.72
		2020	18081346.241	13900597.125	4180749.12
		2021	18537594.460	14108881.240	4428713.22
		2022	18985300.234	14304883.743	4680416.49
		2023	19423958.747	14488817.349	4935141.40
		2024	19853347.772	14660789.562	5192558.21
		2025	20252822.245	14818093.598	5434728.65
		2026	20619307.063	14954280.582	5665026.48
		2027	20976063.406	15080440.163	5895623.24
		2028	21323641.947	15197331.333	6126310.61
		2029	21662117.106	15305278.030	6356839.08
		2030	21960971.694	15400072.141	6560899.55
		2031	22224951.983	15477179.303	6747772.68
		2032	22480397.853	15547599.208	6932798.65
		2033	22728639.455	15612008.451	7116631.00
		2034	22970448.888	15670842.380	7299606.51
		2035	23164154.188	15718496.897	7445657.29
		2036	23334538.616	15756458.589	7578080.03
		2037	23499760.723	15791201.216	7708559.51
		2038	23660308.401	15822895.512	7837412.89
		2039	23817891.273	15852101.603	7965789.67
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177279.340	464.773
		1992	1750034.892	1748259.584	1775.308
		1993	2319752.308	2315389.683	4362.625
		1994	2872597.339	2864071.970	8525.369
		1995	3411494.825	3396882.079	14612.746
		1996	3945569.726	3922264.489	23305.236
		1997	4463316.362	4428735.661	34580.701
		1998	4975301.180	4926300.562	49000.619
		1999	5473691.125	5406873.863	66817.262
		2000	5977500.570	5888281.849	89218.721
		2001	6474795.516	6358525.549	116269.967
		2002	6968769.705	6820229.897	148539.808
		2003	7460282.140	7273508.823	186773.317
		2004	7947048.275	7716178.532	230869.744
		2005	8430571.669	8149376.477	281195.191
		2006	8903945.390	8566129.199	337816.191
		2007	9364177.982	8964086.013	400091.969
		2008	9822525.458	9352123.138	470402.321
		2009	10275228.886	9727183.680	548045.206
		2010	10720275.500	10087864.441	632411.059
		2011	11155356.373	10432021.594	723334.779
		2012	11582611.617	10760459.534	822152.082
		2013	11998803.791	11071194.978	927608.813
		2014	12402087.090	11363530.797	1038556.29
		2015	12793451.706	11639175.416	1154276.29
		2016	13160101.653	11888605.194	1271496.46
		2017	13503583.414	12114190.525	1389392.89
		2018	13859755.737	12337678.643	1522077.09
		2019	14211625.176	12549682.434	1661942.74
		2020	14553935.288	12748587.804	1805347.48
		2021	14851747.495	12913767.036	1937980.46
		2022	15144531.004	13068663.665	2075867.34
		2023	15431932.496	13213346.422	2218586.07
		2024	15713920.740	13348394.739	2365526.00
		2025	15979112.816	13471068.515	2508044.30
		2026	16206550.153	13569290.363	2637259.79
		2027	16428826.050	13660184.285	2768641.77
		2028	16645902.186	13743885.350	2902016.84
		2029	16858126.517	13821184.594	3036941.92
		2030	17045220.687	13887737.967	3157482.72
		2031	17208482.610	13940545.751	3267936.86
		2032	17367586.074	13989160.117	3378425.96
		2033	17522716.280	14033633.708	3489082.57
		2034	17674226.555	14074602.690	3599623.87
		2035	17792201.734	14106118.802	3686082.93
		2036	17903508.236	14133112.787	3770395.45
		2037	18012162.345	14158025.692	3854136.65
		2038	18118464.470	14181016.468	3937448.00

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

		2039	18222549.860	14202411.503	4020138.36
	Female	1990	307897.357	307897.357	0.000
		1991	616547.418	616259.828	287.590
		1992	931086.773	929946.522	1140.252
		1993	1246155.671	1243334.956	2820.715
		1994	1561212.934	1555616.372	5596.562
		1995	1879967.742	1870120.955	9846.787
		1996	2197488.109	2181688.078	15800.031
		1997	2515698.453	2491885.681	23812.772
		1998	2836249.556	2802083.470	34166.086
		1999	3150201.390	3103297.179	46904.210
		2000	3472722.342	3409877.322	62845.020
		2001	3796994.889	3714655.657	82339.232
		2002	4126619.935	4020663.615	105956.320
		2003	4454982.533	4321625.371	133357.162
		2004	4784343.030	4619015.564	165327.466
		2005	5113443.121	4911396.790	202046.331
		2006	5442543.963	5198312.811	244231.151
		2007	5772441.497	5480422.619	292018.877
		2008	6091911.943	5748075.749	343836.194
		2009	6413671.330	6011343.056	402328.274
		2010	6730763.530	6265000.746	465762.784
		2011	7043614.101	6508846.218	534767.883
		2012	7356270.780	6745863.856	610406.924
		2013	7662551.964	6971526.327	691025.636
		2014	7964551.465	7187481.983	777069.482
		2015	8254895.403	7389604.612	865290.791
		2016	8530661.848	7574929.361	955732.486
		2017	8795826.122	7747190.782	1048635.34
		2018	9067233.707	7916087.021	1151146.69
		2019	9335343.270	8076264.962	1259078.31
		2020	9596110.883	8226790.878	1369320.00
		2021	9833186.859	8358834.260	1474352.60
		2022	10066452.037	8482884.428	1583567.61
		2023	10295503.609	8599053.705	1696449.90
		2024	10520125.318	8707379.660	1812745.66
		2025	10731915.863	8806172.391	1925743.47
		2026	10917495.549	8888818.160	2028677.39
		2027	11098620.885	8965082.150	2133538.74
		2028	11275441.234	9035485.950	2239955.28
		2029	11447962.710	9100216.524	2347746.19
		2030	11601867.623	9156629.815	2445237.81
		2031	11731666.516	9200972.124	2530694.39
		2032	11857585.969	9241377.789	2616208.18
		2033	11980128.625	9278219.956	2701908.67
		2034	12099562.464	9311787.906	2787774.56
		2035	12195919.946	9338556.286	2857363.66
		2036	12278201.969	9359431.410	2918770.56
		2037	12358146.336	9378557.970	2979588.37
		2038	12435978.633	9396006.427	3039972.21
		2039	12512468.845	9412098.175	3100370.67
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1013854.137	5365.258
		1992	1509598.614	1489480.171	20118.443
		1993	1992735.299	1945566.721	47168.578
		1994	2462877.575	2374266.723	88610.852
		1995	2928249.390	2781435.466	146813.924
		1996	3377377.730	3155285.077	222092.653
		1997	3809062.472	3495630.201	313432.271
		1998	4222213.867	3802500.728	419713.139
		1999	4708317.743	4140510.022	567807.722
		2000	5182084.396	4448557.163	733527.234
		2001	5644097.705	4726327.036	917770.669
		2002	6107232.129	4983324.995	1123907.13
		2003	6561785.704	5215183.854	1346601.85
		2004	6996156.348	5419114.149	1577042.20
		2005	7426261.361	5605382.822	1820878.54
		2006	7849012.694	5771629.613	2077383.08
		2007	8255300.530	5917770.453	2337530.08
		2008	8650662.040	6047941.498	2602720.54
		2009	9030818.513	6162868.673	2867949.84
		2010	9403026.327	6266047.490	3136978.84
		2011	9767535.506	6358412.897	3409122.61
		2012	10123044.281	6441503.824	3681540.46
		2013	10470104.786	6515758.694	3954346.09
		2014	10807756.112	6582467.303	4225288.81
		2015	11130681.425	6641878.452	4488802.97
		2016	11448966.506	6695741.720	4753224.79

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

		2017	11758164.882	6744491.862	5013673.02
		2018	12054448.241	6787039.208	5267409.03
		2019	12341606.261	6825426.653	5516179.61
		2020	12600728.939	6858231.117	5742497.82
		2021	12861767.105	6888836.543	5972930.56
		2022	13114168.616	6916763.710	6197404.91
		2023	13357894.797	6942073.026	6415821.77
		2024	13593848.521	6965264.786	6628583.74
		2025	13789177.359	6983953.089	6805224.27
		2026	13993401.656	7002262.808	6991138.85
		2027	14190519.224	7019317.066	7171202.16
		2028	14381193.356	7035069.452	7346123.90
		2029	14565171.927	7049727.325	7515444.60
		2030	14697381.605	7060219.174	7637162.43
		2031	14842203.512	7071398.455	7770805.06
		2032	14982485.826	7081892.264	7900593.56
		2033	15118410.647	7091624.554	8026786.09
		2034	15250284.398	7100841.276	8149443.12
		2035	15322911.166	7105790.286	8217120.88
		2036	15405115.031	7111234.629	8293880.40
		2037	15484709.137	7116409.568	8368299.57
		2038	15561812.193	7121315.332	8440496.86
		2039	15635992.616	7125934.212	8510058.40
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293760.360	1362.103
		1992	439962.920	434849.164	5113.756
		1993	584735.615	572568.442	12167.174
		1994	727640.783	704554.980	23085.803
		1995	868486.937	830089.146	38397.791
		1996	1010321.847	950961.891	59359.956
		1997	1144230.930	1060093.279	84137.651
		1998	1274513.622	1160987.434	113526.188
		1999	1426725.938	1272637.485	154088.453
		2000	1573462.680	1374291.175	199171.505
		2001	1719132.015	1468076.340	251055.675
		2002	1863006.732	1554175.025	308831.707
		2003	2002943.227	1631884.140	371059.088
		2004	2137798.705	1701151.625	436647.080
		2005	2271071.245	1764690.078	506381.167
		2006	2400707.731	1821314.634	579393.097
		2007	2523634.512	1870799.815	652834.697
		2008	2648752.232	1917102.355	731649.877
		2009	2765973.961	1957271.137	808702.824
		2010	2881329.235	1993699.277	887629.958
		2011	2994972.694	2026591.535	968381.159
		2012	3108958.829	2056765.297	1052193.53
		2013	3218140.416	2083574.426	1134565.99
		2014	3328387.914	2108529.753	1219858.16
		2015	3435342.796	2131350.971	1303991.82
		2016	3539189.408	2151968.142	1387221.27
		2017	3640041.363	2170612.228	1469429.13
		2018	3732645.362	2186486.145	1546159.22
		2019	3821421.978	2200673.068	1620748.91
		2020	3902115.950	2212937.966	1689177.98
		2021	3984301.053	2224553.560	1759747.49
		2022	4062629.299	2234895.252	1827734.05
		2023	4137348.729	2244132.287	1893216.44
		2024	4208611.493	2252394.255	1956217.24
		2025	4269419.492	2259283.914	2010135.58
		2026	4330969.998	2265883.540	2065086.46
		2027	4389134.306	2271809.867	2117324.44
		2028	4444222.970	2277110.477	2167112.49
		2029	4496447.877	2281935.638	2214512.24
		2030	4536975.698	2285631.799	2251343.90
		2031	4578338.586	2289244.323	2289094.26
		2032	4617397.784	2292525.572	2324872.21
		2033	4654407.697	2295498.763	2358908.93
		2034	4689913.454	2298254.774	2391658.68
		2035	4712518.190	2299963.899	2412554.29
		2036	4735845.827	2301667.323	2434178.50
		2037	4757958.806	2303241.814	2454716.99
		2038	4778813.806	2304689.100	2474124.71
		2039	4798769.065	2306064.012	2492705.05
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148929.896	533.122
		1992	222966.278	220955.266	2011.012
		1993	296801.879	291958.028	4843.850
		1994	372453.706	362972.317	9481.389

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

	1995	448401.338	432219.567	16181.771
	1996	523536.301	498407.259	25129.042
	1997	596763.211	560429.110	36334.101
	1998	667546.681	617845.499	49701.182
	1999	734925.407	669998.788	64926.619
	2000	803749.361	720679.790	83069.571
	2001	870081.588	766790.315	103291.273
	2002	935347.140	809600.261	125746.879
	2003	1001627.349	850240.113	151387.236
	2004	1066587.976	887580.201	179007.775
	2005	1130548.052	921883.084	208664.968
	2006	1195132.454	953979.216	241153.238
	2007	1258974.043	983401.154	275572.890
	2008	1320124.867	1009366.651	310758.216
	2009	1380776.123	1033180.010	347596.114
	2010	1440048.533	1054742.612	385305.921
	2011	1497484.847	1074084.545	423400.302
	2012	1554496.526	1091682.025	462814.501
	2013	1610819.598	1107704.370	503115.228
	2014	1667484.890	1122483.544	545001.346
	2015	1720948.287	1135506.018	585442.268
	2016	1775699.228	1147700.563	627998.665
	2017	1830250.175	1158901.079	671349.096
	2018	1875958.950	1167627.752	708331.198
	2019	1920359.232	1175471.953	744887.279
	2020	1960605.297	1182142.532	778462.765
	2021	1998912.887	1188029.958	810882.930
	2022	2036003.696	1193329.338	842674.357
	2023	2071857.536	1198084.713	873772.823
	2024	2106636.468	1202404.962	904231.506
	2025	2136450.873	1205920.781	930530.093
	2026	2164796.470	1209042.025	955754.445
	2027	2192079.608	1211894.137	980185.471
	2028	2218404.367	1214488.893	1003915.47
	2029	2243769.140	1216864.753	1026904.39
	2030	2263570.213	1218645.796	1044924.42
	2031	2282521.590	1220286.027	1062235.56
	2032	2300804.945	1221793.658	1079011.29
	2033	2318464.018	1223183.307	1095280.71
	2034	2335611.973	1224485.983	1111125.99
	2035	2347097.290	1225329.174	1121768.12
	2036	2358248.747	1226121.417	1132127.33
	2037	2369033.655	1226870.211	1142163.44
	2038	2379490.114	1227578.212	1151911.90
	2039	2389546.238	1228242.847	1161303.39
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110500.281	371.581
	1992	165654.454	164228.968	1425.486
	1993	220008.519	216584.424	3424.096
	1994	275706.807	268989.827	6716.980
	1995	331417.547	319961.185	11456.362
	1996	387580.161	369635.811	17944.350
	1997	442778.242	416653.629	26124.613
	1998	496117.305	460307.757	35809.547
	1999	548268.214	501161.707	47106.507
	2000	601693.202	541106.219	60586.983
	2001	652221.103	576967.214	75253.888
	2002	703022.600	611023.981	91998.619
	2003	752023.351	641991.842	110031.509
	2004	799826.733	670338.486	129488.247
	2005	847563.928	696865.366	150698.562
	2006	894205.027	721067.576	173137.451
	2007	939571.282	742966.107	196605.175
	2008	983437.578	762698.964	220738.614
	2009	1025803.786	780432.715	245371.071
	2010	1066964.934	796392.457	270572.477
	2011	1106954.044	810721.102	296232.943
	2012	1146108.461	823712.442	322396.019
	2013	1183544.689	835226.907	348317.782
	2014	1221220.945	845944.189	375276.757
	2015	1258289.311	855837.385	402451.926
	2016	1294830.207	864846.785	429983.423
	2017	1330332.626	872970.534	457362.092
	2018	1360571.987	879422.142	481149.845
	2019	1389848.723	885203.329	504645.394
	2020	1416046.192	890102.048	525944.144
	2021	1440588.850	894357.578	546231.271
	2022	1464157.934	898148.712	566009.222

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

		2023	1486810.237	901543.189	585267.048
		2024	1508591.729	904581.927	604009.802
		2025	1526875.621	907040.758	619834.863
		2026	1543659.810	909162.452	634497.358
		2027	1559623.774	911066.253	648557.522
		2028	1574852.850	912769.551	662083.299
		2029	1589437.452	914314.111	675123.342
		2030	1600568.199	915460.829	685107.370
		2031	1610776.297	916461.912	694314.385
		2032	1620483.563	917369.218	703114.345
		2033	1629745.442	918190.286	711555.156
		2034	1638721.425	918947.237	719774.188
		2035	1644649.404	919429.846	725219.558
		2036	1650181.590	919861.844	730319.745
		2037	1655476.066	920262.962	735213.104
		2038	1660507.914	920633.794	739874.120
		2039	1665361.569	920987.246	744374.324
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233298.034	140.799
		1992	348084.047	347556.783	527.265
		1993	467278.318	465967.991	1310.327
		1994	584216.907	581603.388	2613.518
		1995	697391.457	692877.007	4514.449
		1996	809471.271	802317.109	7154.162
		1997	922587.668	911860.566	10727.102
		1998	1034072.457	1018887.263	15185.193
		1999	1153475.399	1132350.664	21124.736
		2000	1268050.268	1239817.608	28232.660
		2001	1382786.209	1345901.647	36884.563
		2002	1497557.412	1450297.204	47260.208
		2003	1614405.229	1555006.245	59398.985
		2004	1726672.489	1653758.883	72913.606
		2005	1847277.524	1758053.183	89224.341
		2006	1961009.963	1854235.811	106774.152
		2007	2079868.908	1952446.134	127422.774
		2008	2206755.783	2055003.900	151751.883
		2009	2331993.380	2153701.356	178292.024
		2010	2455130.176	2248344.222	206785.955
		2011	2582657.849	2343643.711	239014.137
		2012	2709719.005	2435772.918	273946.087
		2013	2840547.005	2527576.929	312970.076
		2014	2971677.135	2616623.383	355053.752
		2015	3104538.983	2704932.603	399606.380
		2016	3237650.175	2790121.006	447529.169
		2017	3370561.253	2872317.276	498243.977
		2018	3503136.371	2950746.196	552390.175
		2019	3636402.758	3026510.220	609892.538
		2020	3768054.453	3098996.150	669058.302
		2021	3897675.067	3167282.925	730392.142
		2022	4027307.132	3232457.708	794849.424
		2023	4156698.720	3294437.936	862260.784
		2024	4285772.226	3353282.390	932489.836
		2025	4410759.298	3408294.685	1002464.61
		2026	4531411.064	3458325.186	1073085.88
		2027	4651145.233	3505267.423	1145877.81
		2028	4769837.872	3549144.224	1220693.65
		2029	4887747.179	3590202.532	1297544.65
2030	4997632.895	3627189.378	1370443.52		
2031	5103301.991	3659937.821	1443364.17		
2032	5207593.613	3690236.139	1517357.47		
2033	5310556.138	3718102.851	1592453.29		
2034	5412542.816	3743858.828	1668683.99		
2035	5500522.473	3765426.897	1735095.58		
2036	5588149.640	3785110.888	1803038.75		
2037	5674667.886	3803209.671	1871458.21		
2038	5760391.289	3819884.887	1940506.40		
2039	5845459.234	3835371.287	2010087.95		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159918.449	111.061
		1992	240642.531	240217.803	424.728
		1993	329362.093	328256.147	1105.946
		1994	418569.515	416320.700	2248.816
		1995	509110.357	505085.706	4024.651
		1996	600040.117	593566.013	6474.105
		1997	691159.071	681442.620	9716.450
		1998	782866.899	769045.725	13821.173
		1999	881526.925	862196.927	19329.998
		2000	977880.647	952109.858	25770.789

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

2001	1076787.404	1043114.228	33673.176
2002	1174842.754	1131929.455	42913.298
2003	1275102.681	1221377.226	53725.455
2004	1371026.306	1305519.383	65506.922
2005	1473954.509	1393967.498	79987.011
2006	1574450.828	1478579.718	95871.110
2007	1673790.211	1560406.612	113383.600
2008	1782360.738	1647832.512	134528.226
2009	1892944.209	1734445.214	158498.995
2010	2002131.282	1817884.009	184247.274
2011	2114522.152	1901229.839	213292.314
2012	2228079.372	1983068.557	245010.815
2013	2345377.689	2064913.232	280464.457
2014	2462498.422	2143943.206	318555.216
2015	2581450.312	2222403.347	359046.965
2016	2701959.301	2299033.640	402925.661
2017	2823834.967	2373694.173	450140.794
2018	2938265.081	2441801.863	496463.217
2019	3053254.880	2507619.768	545635.112
2020	3167073.216	2570766.233	596306.983
2021	3279517.699	2631135.842	648381.857
2022	3392060.964	2688955.351	703105.613
2023	3504296.171	2744088.168	760208.003
2024	3616019.231	2796433.719	819585.512
2025	3724611.269	2845596.536	879014.734
2026	3827181.707	2890416.430	936765.277
2027	3928684.441	2932481.894	996202.547
2028	4029124.892	2971965.356	1057159.54
2029	4128269.068	3008811.758	1119457.31
2030	4221560.174	3042349.698	1179210.48
2031	4304170.584	3070500.944	1233669.64
2032	4384930.537	3096326.629	1288603.91
2033	4464357.691	3120099.446	1344258.25
2034	4542251.545	3141852.464	1400399.08
2035	4611066.648	3160546.866	1450519.78
2036	4670309.230	3175498.011	1494811.22
2037	4728179.514	3189138.470	1539041.04
2038	4785008.048	3201566.192	1583441.86
2039	4841291.793	3212952.171	1628339.62

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	257358.945	186552.089
		35-39	1146798.555	658435.358	488363.197
		40-44	2609591.408	1457692.367	1151899.04
		45-49	4775841.753	2618143.723	2157698.03
		50-54	7446969.205	4208548.003	3238421.20
		55-59	8240205.925	5043222.920	3196983.00
		60-64	8772829.118	5778555.029	2994274.09
		65-69	6161494.678	4425094.203	1736400.48
		70-74	2495906.274	1853436.135	642470.139
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	151618.484	77522.077
		35-39	570217.942	370859.669	199358.272
		40-44	1267538.938	802310.926	465228.012
		45-49	2340070.698	1461046.328	879024.370
		50-54	3743803.613	2349109.848	1394693.77
		55-59	4591478.168	2986777.026	1604701.14
		60-64	5207367.788	3513549.631	1693818.16
		65-69	4092181.394	2901695.871	1190485.52
70-74		1776092.171	1281807.631	494284.540	
Lung cancer	Males	30-34	66065.017	53478.876	12586.141
		35-39	232509.414	189271.019	43238.396
		40-44	688628.041	548745.611	139882.431
		45-49	1528300.367	1182189.204	346111.163
		50-54	2730187.229	2079959.699	650227.530
		55-59	3909101.673	2958240.992	950860.681
		60-64	4287716.660	3333828.772	953887.887
		65-69	3467897.115	2745972.500	721924.615
		70-74	1312144.343	1055779.815	256364.529
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	42188.327	9724.786
		35-39	189792.904	154312.533	35480.371
		40-44	527596.573	412988.902	114607.671
		45-49	1122524.269	849978.751	272545.517
		50-54	1882214.322	1397234.934	484979.388
		55-59	2595581.943	1902779.438	692802.506
		60-64	2846273.090	2127059.788	719213.302
		65-69	2358758.394	1785241.535	573516.859
70-74		937814.238	719772.905	218041.333	
IHD	Males	30-34	263834.566	131042.581	132791.985
		35-39	692140.150	330141.517	361998.634
		40-44	1519708.432	666373.272	853335.160
		45-49	2568546.697	1038376.911	1530169.79
		50-54	3632929.903	1515402.122	2117527.78
		55-59	2807892.356	1220730.703	1587161.65
		60-64	2599825.934	1302686.634	1297139.30
		65-69	1113578.307	629846.614	483731.694
		70-74	437536.271	279399.834	158136.436
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	42283.857	37365.240
		35-39	193965.908	92719.668	101246.240
		40-44	403380.974	175194.907	228186.068
		45-49	671385.408	274954.632	396430.776
		50-54	1011875.989	436388.349	575487.640
		55-59	849875.715	389323.449	460552.266
		60-64	925490.876	485594.122	439896.755
		65-69	455463.881	270694.478	184769.403
70-74		207681.216	136932.781	70748.435	
Stroke	Males	30-34	73463.650	45636.040	27827.610
		35-39	151934.057	91733.512	60200.545
		40-44	262845.974	151184.832	111661.143
		45-49	383421.246	207201.641	176219.605
		50-54	479872.634	237804.891	242067.743
		55-59	437124.903	202051.625	235073.278
		60-64	419457.235	198090.530	221366.704
		65-69	128180.574	63478.558	64702.016
		70-74	53245.965	28868.363	24377.602
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	42433.404	20485.687

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

		35-39	120806.205	77528.003	43278.202
		40-44	203391.885	122343.546	81048.339
		45-49	278172.097	156975.445	121196.652
		50-54	325979.181	173114.935	152864.246
		55-59	275161.340	138417.955	136743.384
		60-64	268920.493	138179.562	130740.931
		65-69	87956.054	47406.176	40549.878
		70-74	42055.224	23907.257	18147.967
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	27201.448	13346.353
		35-39	70214.933	47289.311	22925.622
		40-44	138408.960	91388.652	47020.308
		45-49	295573.443	190375.967	105197.476
		50-54	603979.438	375381.291	228598.147
		55-59	1086086.992	662199.600	423887.392
		60-64	1465829.290	943949.091	521880.198
		65-69	1451838.682	985796.531	466042.151
		70-74	692979.695	489388.123	203591.572
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	24712.897	9946.364
		35-39	65652.924	46299.466	19353.459
		40-44	133169.505	91783.571	41385.934
		45-49	267988.924	179137.499	88851.425
		50-54	523734.121	342371.630	181362.491
		55-59	870859.170	556256.184	314602.986
		60-64	1166683.329	762716.159	403967.169
		65-69	1190003.066	798353.682	391649.384
		70-74	588541.493	401194.688	187346.805
		75-79	0.000	0.000	0.000

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	257374.754	186536.280
		35-39	1146798.555	658552.857	488245.698
		40-44	2609591.408	1458442.991	1151148.42
		45-49	4775841.753	2621470.195	2154371.56
		50-54	7446969.205	4218556.431	3228412.77
		55-59	8240205.925	5059226.865	3180979.06
		60-64	8772829.118	5805322.849	2967506.27
		65-69	6161494.678	4447597.526	1713897.15
		70-74	2495906.274	1865415.381	630490.892
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	151622.344	77518.217
		35-39	570217.942	370888.143	199329.799
		40-44	1267538.938	802492.700	465046.238
		45-49	2340070.698	1461851.206	878219.492
		50-54	3743803.613	2351654.026	1392149.59
		55-59	4591478.168	2991656.208	1599821.96
		60-64	5207367.788	3522767.388	1684600.40
		65-69	4092181.394	2911348.571	1180832.82
70-74		1776092.171	1287821.019	488271.152	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	53482.359	12582.658
		35-39	232509.414	189308.369	43201.045
		40-44	688628.041	549065.294	139562.748
		45-49	1528300.367	1183891.471	344408.896
		50-54	2730187.229	2085464.348	644722.882
		55-59	3909101.673	2968315.334	940786.340
		60-64	4287716.660	3350243.959	937472.701
		65-69	3467897.115	2759992.961	707904.154
		70-74	1312144.343	1062647.407	249496.936
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	42189.534	9723.579
		35-39	189792.904	154325.322	35467.583
		40-44	527596.573	413091.164	114505.409
		45-49	1122524.269	850479.979	272044.290
		50-54	1882214.322	1398846.817	483367.505
		55-59	2595581.943	1906017.192	689564.751
		60-64	2846273.090	2132871.595	713401.494
		65-69	2358758.394	1791143.665	567614.728
70-74		937814.238	723132.906	214681.331	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	131050.407	132784.159
		35-39	692140.150	330194.933	361945.217
		40-44	1519708.432	666664.702	853043.730
		45-49	2568546.697	1039412.130	1529134.57
		50-54	3632929.903	1518064.723	2114865.18
		55-59	2807892.356	1223098.804	1584793.55
		60-64	2599825.934	1306047.219	1293778.71
		65-69	1113578.307	631272.228	482306.079
		70-74	437536.271	280129.064	157407.206
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	42284.897	37364.200
		35-39	193965.908	92726.135	101239.772
		40-44	403380.974	175227.186	228153.788
		45-49	671385.408	275066.356	396319.052
		50-54	1011875.989	436704.685	575171.304
		55-59	849875.715	389664.791	460210.925
		60-64	925490.876	486204.773	439286.104
		65-69	455463.881	271030.886	184432.995
70-74		207681.216	137154.302	70526.915	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	45638.521	27825.128
		35-39	151934.057	91748.828	60185.229
		40-44	262845.974	151256.608	111589.366
		45-49	383421.246	207436.443	175984.803
		50-54	479872.634	238290.216	241582.417
		55-59	437124.903	202537.140	234587.764
		60-64	419457.235	198730.759	220726.476
		65-69	128180.574	63651.340	64529.234
		70-74	53245.965	28952.991	24292.974
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	42434.295	20484.796

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_2.RTF)

		35-39	120806.205	77532.898	43273.307
		40-44	203391.885	122365.269	81026.617
		45-49	278172.097	157040.218	121131.879
		50-54	325979.181	173246.914	152732.267
		55-59	275161.340	138557.485	136603.855
		60-64	268920.493	138384.194	130536.299
		65-69	87956.054	47474.923	40481.131
		70-74	42055.224	23951.050	18104.174
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	27203.466	13344.335
		35-39	70214.933	47300.726	22914.207
		40-44	138408.960	91456.387	46952.573
		45-49	295573.443	190730.150	104843.293
		50-54	603979.438	376737.144	227242.294
		55-59	1086086.992	665275.587	420811.405
		60-64	1465829.290	950300.912	515528.378
		65-69	1451838.682	992680.997	459157.685
		70-74	692979.695	493685.918	199293.776
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	24713.618	9945.643
		35-39	65652.924	46303.787	19349.137
		40-44	133169.505	91809.081	41360.424
		45-49	267988.924	179264.653	88724.271
		50-54	523734.121	342855.609	180878.511
		55-59	870859.170	557416.741	313442.429
		60-64	1166683.329	765306.825	401376.503
		65-69	1190003.066	801699.096	388303.970
		70-74	588541.493	403582.761	184958.733
		75-79	0.000	0.000	0.000

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

Estimated Loss of Life from the E Component for Run: 10, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	31289692.958	10803855.0
	Female	2039	23817891.273	19197499.919	4620391.35
Lung cancer	Males	2039	18222549.860	15675084.127	2547465.73
	Female	2039	12512468.845	10855001.559	1657467.29
IHD	Males	2039	15635992.616	9649603.625	5986388.99
	Female	2039	4798769.065	3283057.508	1515711.56
Stroke	Males	2039	2389546.238	1562302.302	827243.936
	Female	2039	1665361.569	1207459.002	457902.567
COPD	Males	2039	5845459.234	4402702.903	1442756.33
	Female	2039	4841291.793	3851981.850	989309.943

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	31348638.657	10744909.3
	Female	2039	23817891.273	19216455.772	4601435.50
Lung cancer	Males	2039	18222549.860	15707051.895	2515497.97
	Female	2039	12512468.845	10866057.719	1646411.13
IHD	Males	2039	15635992.616	9661119.870	5974872.75
	Female	2039	4798769.065	3284893.799	1513875.27
Stroke	Males	2039	2389546.238	1564229.778	825316.460
	Female	2039	1665361.569	1208038.049	457323.520
COPD	Males	2039	5845459.234	4416237.114	1429222.12
	Female	2039	4841291.793	3857466.205	983825.588

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2577322.071	2543.286
		1992	3830683.831	3821208.715	9475.116
		1993	5076567.803	5054148.146	22419.657
		1994	6292145.526	6249358.813	42786.713
		1995	7485537.010	7413282.509	72254.501
		1996	8655955.028	8543813.653	112141.375
		1997	9791729.713	9629348.624	162381.089
		1998	10899134.186	10675771.021	223363.164
		1999	12070409.674	11762370.263	308039.411
		2000	13231384.595	12824384.444	407000.151
		2001	14371761.018	13849536.063	522224.956
		2002	15508906.386	14852684.064	656222.321
		2003	16638100.422	15829971.076	808129.346
		2004	17736465.088	16763736.925	972728.163
		2005	18834658.606	17680050.325	1154608.28
		2006	19909100.501	18554555.612	1354544.89
		2007	20958321.463	19390970.118	1567351.34
		2008	22000068.148	20204712.498	1795355.65
		2009	23018816.903	20984168.228	2034648.67
		2010	24018480.537	21730667.759	2287812.78
		2011	25003034.574	22447832.329	2555202.25
		2012	25969871.429	23133979.638	2835891.79
		2013	26920275.180	23791011.818	3129263.36
		2014	27849005.227	24415220.045	3433785.18
		2015	28749620.400	25008781.936	3740838.46
		2016	29622417.562	25562889.226	4059528.34
		2017	30462559.724	26078353.407	4384206.32
		2018	31293299.299	26573661.909	4719637.39
		2019	32109993.427	27046136.528	5063856.90
		2020	32883323.977	27489791.338	5393532.64
		2021	33610102.554	27881254.928	5728847.63
		2022	34322010.448	28251315.731	6070694.72
		2023	35018383.550	28600188.649	6418194.90
		2024	35700177.955	28929334.440	6770843.52
		2025	36315500.346	29228541.096	7086959.25
		2026	36896159.343	29486652.080	7409507.26
		2027	37462570.116	29728262.842	7734307.27
		2028	38015337.780	29952960.446	8062377.33
		2029	38554814.764	30162339.778	8392474.99
		2030	39003805.400	30343197.223	8660608.18
		2031	39436509.703	30498248.217	8938261.49
2032	39858470.458	30641722.141	9216748.32		
2033	40270147.082	30773285.423	9496861.66		
2034	40672665.743	30895206.080	9777459.66		
2035	40962732.664	30989711.360	9973021.30		
2036	41255021.653	31074477.373	10180544.3		
2037	41540573.023	31152416.557	10388156.5		
2038	41820158.066	31223660.025	10596498.0		
2039	42093547.949	31289692.958	10803855.0		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1181926.435	644.817	
1992		1777346.679	1774847.743	2498.936	
1993		2380261.899	2374217.089	6044.811	
1994		2983130.039	2971235.261	11894.778	
1995		3588982.584	3568485.999	20496.585	
1996		4195430.235	4162648.580	32781.655	
1997		4793866.694	4745515.619	48351.076	
1998		5389747.381	5321970.482	67776.899	
1999		6006722.467	5912755.340	93967.127	
2000		6625758.871	6500914.465	124844.406	
2001		7245135.411	7083027.545	162107.866	
2002		7867492.021	7661636.820	205855.201	
2003		8485051.793	8229640.927	255410.866	
2004		9092994.774	8782220.010	310774.764	
2005		9706032.803	9333067.557	372965.246	
2006		10311907.548	9869600.540	442307.008	
2007		10909437.502	10392312.130	517125.373	
2008		11506462.491	10906108.097	600354.394	
2009		12098393.287	11409046.189	689347.098	
2010		12681188.981	11896797.352	784391.629	

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

		2011	13260062.991	12372612.346	887450.645
		2012	13839417.441	12839892.871	999524.570
		2013	14409614.758	13292449.386	1117165.37
		2014	14976658.746	13732723.651	1243935.09
		2015	15529977.821	14156619.805	1373358.02
		2016	16066640.764	14558481.717	1508159.05
		2017	16590035.078	14941798.502	1648236.58
		2018	17098716.137	15308875.952	1789840.18
		2019	17599868.850	15662724.610	1937144.24
		2020	18081346.241	15999206.368	2082139.87
		2021	18537594.460	16309165.845	2228428.62
		2022	18985300.234	16605837.180	2379463.05
		2023	19423958.747	16888843.319	2535115.43
		2024	19853347.772	17158329.830	2695017.94
		2025	20252822.245	17407433.010	2845389.23
		2026	20619307.063	17627401.385	2991905.68
		2027	20976063.406	17834725.769	3141337.64
		2028	21323641.947	18030036.253	3293605.69
		2029	21662117.106	18213855.541	3448261.57
		2030	21960971.694	18375944.386	3585027.31
		2031	22224951.983	18510377.601	3714574.38
		2032	22480397.853	18635083.042	3845314.81
		2033	22728639.455	18751084.048	3977555.41
		2034	22970448.888	18859477.506	4110971.38
		2035	23164154.188	18946750.815	4217403.37
		2036	23334538.616	19016808.082	4317730.53
		2037	23499760.723	19081270.929	4418489.79
		2038	23660308.401	19141001.415	4519306.99
		2039	23817891.273	19197499.919	4620391.35
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177589.565	154.547
		1992	1750034.892	1749473.075	561.817
		1993	2319752.308	2318368.310	1383.997
		1994	2872597.339	2869850.298	2747.041
		1995	3411494.825	3406669.952	4824.874
		1996	3945569.726	3937583.154	7986.572
		1997	4463316.362	4451094.818	12221.545
		1998	4975301.180	4957479.376	17821.805
		1999	5473691.125	5448750.673	24940.452
		2000	5977500.570	5943322.809	34177.761
		2001	6474795.516	6429077.946	45717.570
		2002	6968769.705	6908980.078	59789.627
		2003	7460282.140	7383354.831	76927.309
		2004	7947048.275	7849987.046	97061.229
		2005	8430571.669	8310112.542	120459.127
		2006	8903945.390	8756624.371	147321.019
		2007	9364177.982	9186858.966	177319.016
		2008	9822525.458	9610620.304	211905.155
		2009	10275228.886	10024552.595	250676.292
		2010	10720275.500	10426720.667	293554.834
		2011	11155356.373	10814994.550	340361.823
		2012	11582611.617	11190271.827	392339.789
		2013	11998803.791	11550089.714	448714.077
		2014	12402087.090	11893097.239	508989.851
		2015	12793451.706	12220762.620	572689.085
		2016	13160101.653	12521778.477	638323.176
		2017	13503583.414	12798044.236	705539.178
		2018	13859755.737	13076639.558	783116.179
		2019	14211625.176	13345249.542	866375.634
		2020	14553935.288	13601265.377	952669.911
		2021	14851747.495	13817385.106	1034362.39
		2022	15144531.004	14023528.049	1121002.96
		2023	15431932.496	14219500.335	1212432.16
		2024	15713920.740	14405454.505	1308466.24
		2025	15979112.816	14577128.456	1401984.36
		2026	16206550.153	14716910.678	1489639.47
		2027	16428826.050	14848238.930	1580587.12
		2028	16645902.186	14970962.879	1674939.31
		2029	16858126.517	15085691.121	1772435.40
		2030	17045220.687	15186098.934	1859121.75
		2031	17208482.610	15266661.713	1941820.90
		2032	17367586.074	15341440.021	2026146.05
		2033	17522716.280	15410223.401	2112492.88
		2034	17674226.555	15473892.887	2200333.67
		2035	17792201.734	15523988.037	2268213.70
		2036	17903508.236	15566715.388	2336792.85
		2037	18012162.345	15606004.959	2406157.39
		2038	18118464.470	15641857.861	2476606.61

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

		2039	18222549.860	15675084.127	2547465.73
	Female	1990	307897.357	307897.357	0.000
		1991	616547.418	616476.786	70.632
		1992	931086.773	930800.634	286.139
		1993	1246155.671	1245435.912	719.759
		1994	1561212.934	1559735.161	1477.773
		1995	1879967.742	1877275.231	2692.511
		1996	2197488.109	2193011.860	4476.249
		1997	2515698.453	2508691.048	7007.405
		1998	2836249.556	2825848.697	10400.860
		1999	3150201.390	3135475.615	14725.775
		2000	3472722.342	3452491.430	20230.912
		2001	3796994.889	3769745.922	27248.967
		2002	4126619.935	4090685.652	35934.283
		2003	4454982.533	4408772.943	46209.590
		2004	4784343.030	4725885.191	58457.840
		2005	5113443.121	5040741.782	72701.339
		2006	5442543.963	5353000.275	89543.687
		2007	5772441.497	5663560.732	108880.764
		2008	6091911.943	5961707.127	130204.816
		2009	6413671.330	6258877.072	154794.258
		2010	6730763.530	6549048.694	181714.836
		2011	7043614.101	6831997.604	211616.497
		2012	7356270.780	7111257.908	245012.872
		2013	7662551.964	7381453.803	281098.160
		2014	7964551.465	7644287.854	320263.611
		2015	8254895.403	7894285.331	360610.072
		2016	8530661.848	8127862.665	402799.183
		2017	8795826.122	8348996.430	446829.692
		2018	9067233.707	8570428.627	496805.079
		2019	9335343.270	8784865.751	550477.519
		2020	9596110.883	8990260.497	605850.386
		2021	9833186.859	9173826.343	659360.515
		2022	10066452.037	9350184.678	716267.359
		2023	10295503.609	9519061.152	776442.458
		2024	10520125.318	9680293.095	839832.223
		2025	10731915.863	9829991.885	901923.978
		2026	10917495.549	9957670.027	959825.521
		2027	11098620.885	10078366.646	1020254.24
		2028	11275441.234	10192310.248	1083130.99
		2029	11447962.710	10299681.935	1148280.77
		2030	11601867.623	10394373.041	1207494.58
		2031	11731666.516	10470153.686	1261512.83
		2032	11857585.969	10540618.239	1316967.73
		2033	11980128.625	10606252.605	1373876.02
		2034	12099562.464	10667598.852	1431963.61
		2035	12195919.946	10716658.022	1479261.92
		2036	12278201.969	10755064.012	1523137.96
		2037	12358146.336	10790560.011	1567586.33
		2038	12435978.633	10823592.818	1612385.82
		2039	12512468.845	10855001.559	1657467.29
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1017076.785	2142.609
		1992	1509598.614	1501584.773	8013.841
		1993	1992735.299	1973891.573	18843.726
		1994	2462877.575	2427236.200	35641.375
		1995	2928249.390	2868557.285	59692.104
		1996	3377377.730	3285649.833	91727.897
		1997	3809062.472	3677515.025	131547.447
		1998	4222213.867	4042984.316	179229.551
		1999	4708317.743	4460846.444	247471.299
		2000	5182084.396	4856369.735	325714.661
		2001	5644097.705	5228344.134	415753.571
		2002	6107232.129	5587504.341	519727.788
		2003	6561785.704	5926261.974	635523.730
		2004	6996156.348	6237384.806	758771.542
		2005	7426261.361	6533295.712	892965.649
		2006	7849012.694	6810357.769	1038654.93
		2007	8255300.530	7064762.577	1190537.95
		2008	8650662.040	7300956.232	1349705.81
		2009	9030818.513	7517967.531	1512850.98
		2010	9403026.327	7719829.870	1683196.46
		2011	9767535.506	7906991.766	1860543.74
		2012	10123044.281	8080690.428	2042353.85
		2013	10470104.786	8241738.946	2228365.84
		2014	10807756.112	8390383.263	2417372.85
		2015	11130681.425	8526035.399	2604646.03
		2016	11448966.506	8652356.890	2796609.62

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

		2017	11758164.882	8768750.451	2989414.43
		2018	12054448.241	8870509.985	3183938.26
		2019	12341606.261	8963139.390	3378466.87
		2020	12600728.939	9044609.753	3556119.19
		2021	12861767.105	9119572.626	3742194.48
		2022	13114168.616	9187287.501	3926881.11
		2023	13357894.797	9248194.175	4109700.62
		2024	13593848.521	9303517.500	4290331.02
		2025	13789177.359	9349019.296	4440158.06
		2026	13993401.656	9392049.897	4601351.76
		2027	14190519.224	9431122.832	4759396.39
		2028	14381193.356	9466065.376	4915127.98
		2029	14565171.927	9497613.760	5067558.17
		2030	14697381.605	9521233.292	5176148.31
		2031	14842203.512	9544814.354	5297389.16
		2032	14982485.826	9566079.456	5416406.37
		2033	15118410.647	9584969.570	5533441.08
		2034	15250284.398	9602388.020	5647896.38
		2035	15322911.166	9612550.275	5710360.89
		2036	15405115.031	9623105.303	5782009.73
		2037	15484709.137	9632733.505	5851975.63
		2038	15561812.193	9641505.355	5920306.84
		2039	15635992.616	9649603.625	5986388.99
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	294685.256	437.206
		1992	439962.920	438286.298	1676.622
		1993	584735.615	580738.719	3996.897
		1994	727640.783	719947.536	7693.247
		1995	868486.937	855531.063	12955.874
		1996	1010321.847	989904.472	20417.376
		1997	1144230.930	1114811.339	29419.591
		1998	1274513.622	1234094.093	40419.529
		1999	1426725.938	1370745.964	55979.974
		2000	1573462.680	1499793.364	73669.316
		2001	1719132.015	1624231.075	94900.940
		2002	1863006.732	1743792.395	119214.337
		2003	2002943.227	1856710.504	146232.724
		2004	2137798.705	1962146.331	175652.375
		2005	2271071.245	2063495.020	207576.225
		2006	2400707.731	2158419.632	242288.099
		2007	2523634.512	2245404.385	278230.128
		2008	2648752.232	2330663.154	318089.078
		2009	2765973.961	2407810.667	358163.294
		2010	2881329.235	2481086.134	400243.101
		2011	2994972.694	2550343.186	444629.508
		2012	3108958.829	2616715.111	492243.718
		2013	3218140.416	2677974.797	540165.619
		2014	3328387.914	2737104.131	591283.783
		2015	3435342.796	2792964.115	642378.681
		2016	3539189.408	2845142.097	694047.311
		2017	3640041.363	2893539.799	746501.564
		2018	3732645.362	2935860.096	796785.266
		2019	3821421.978	2974638.874	846783.104
		2020	3902115.950	3008993.382	893122.568
		2021	3984301.053	3042314.897	941986.156
		2022	4062629.299	3072580.501	990048.798
		2023	4137348.729	3099949.395	1037399.33
		2024	4208611.493	3124828.441	1083783.05
		2025	4269419.492	3145740.180	1123679.31
		2026	4330969.998	3165675.049	1165294.95
		2027	4389134.306	3183470.071	1205664.23
		2028	4444222.970	3199440.367	1244782.60
		2029	4496447.877	3213963.466	1282484.41
		2030	4536975.698	3225033.416	1311942.28
		2031	4578338.586	3235578.545	1342760.04
		2032	4617397.784	3245021.629	1372376.16
		2033	4654407.697	3253593.980	1400813.72
		2034	4689913.454	3261727.179	1428186.27
		2035	4712518.190	3266703.247	1445814.94
		2036	4735845.827	3271396.401	1464449.43
		2037	4757958.806	3275574.003	1482384.80
		2038	4778813.806	3279382.734	1499431.07
		2039	4798769.065	3283057.508	1515711.56
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	149262.128	200.889
		1992	222966.278	222220.542	745.736
		1993	296801.879	294980.947	1820.931
		1994	372453.706	368812.195	3641.511

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

	1995	448401.338	442024.003	6377.335
	1996	523536.301	513357.378	10178.924
	1997	596763.211	581667.464	15095.747
	1998	667546.681	646378.939	21167.742
	1999	734925.407	706675.675	28249.732
	2000	803749.361	766843.825	36905.536
	2001	870081.588	823157.695	46923.894
	2002	935347.140	877016.370	58330.770
	2003	1001627.349	929760.274	71867.075
	2004	1066587.976	979775.989	86811.987
	2005	1130548.052	1027191.534	103356.517
	2006	1195132.454	1073071.587	122060.866
	2007	1258974.043	1116505.798	142468.245
	2008	1320124.867	1156096.148	164028.719
	2009	1380776.123	1193581.519	187194.605
	2010	1440048.533	1228570.324	211478.209
	2011	1497484.847	1260903.023	236581.824
	2012	1554496.526	1291181.522	263315.004
	2013	1610819.598	1319654.622	291164.976
	2014	1667484.890	1346618.077	320866.812
	2015	1720948.287	1371149.439	349798.848
	2016	1775699.228	1394706.075	380993.153
	2017	1830250.175	1416836.540	413413.634
	2018	1875958.950	1434493.750	441465.200
	2019	1920359.232	1450616.707	469742.525
	2020	1960605.297	1464771.982	495833.315
	2021	1998912.887	1477357.419	521555.468
	2022	2036003.696	1488750.260	547253.436
	2023	2071857.536	1499044.031	572813.506
	2024	2106636.468	1508387.875	598248.593
	2025	2136450.873	1516166.419	620284.455
	2026	2164796.470	1523032.961	641763.509
	2027	2192079.608	1529249.559	662830.049
	2028	2218404.367	1534794.697	683609.670
	2029	2243769.140	1539773.168	703995.972
	2030	2263570.213	1543635.676	719934.536
	2031	2282521.590	1547071.541	735450.049
	2032	2300804.945	1550128.967	750675.978
	2033	2318464.018	1552837.181	765626.837
	2034	2335611.973	1555314.473	780297.500
	2035	2347097.290	1556983.967	790113.323
	2036	2358248.747	1558497.212	799751.535
	2037	2369033.655	1559879.955	809153.700
	2038	2379490.114	1561143.094	818347.020
	2039	2389546.238	1562302.302	827243.936
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110758.339	113.523
	1992	165654.454	165207.658	446.796
	1993	220008.519	218919.394	1089.125
	1994	275706.807	273498.865	2207.942
	1995	331417.547	327556.174	3861.373
	1996	387580.161	381349.937	6230.224
	1997	442778.242	433456.489	9321.753
	1998	496117.305	483013.145	13104.160
	1999	548268.214	530629.208	17639.006
	2000	601693.202	578494.014	23199.187
	2001	652221.103	622747.266	29473.836
	2002	703022.600	666152.310	36870.290
	2003	752023.351	706937.603	45085.748
	2004	799826.733	745590.420	54236.313
	2005	847563.928	783110.189	64453.739
	2006	894205.027	818581.215	75623.811
	2007	939571.282	851894.597	87676.685
	2008	983437.578	883025.539	100412.039
	2009	1025803.786	912036.856	113766.930
	2010	1066964.934	939132.661	127832.274
	2011	1106954.044	964413.576	142540.468
	2012	1146108.461	988186.819	157921.641
	2013	1183544.689	1010008.205	173536.484
	2014	1221220.945	1031032.751	190188.194
	2015	1258289.311	1051142.181	207147.130
	2016	1294830.207	1070090.944	224739.263
	2017	1330332.626	1087734.408	242598.218
	2018	1360571.987	1102167.587	258404.400
	2019	1389848.723	1115478.620	274370.103
	2020	1416046.192	1127134.918	288911.275
	2021	1440588.850	1137555.520	303033.329
	2022	1464157.934	1147068.634	317089.301

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

		2023	1486810.237	1155728.787	331081.450
		2024	1508591.729	1163624.216	344967.513
		2025	1526875.621	1170166.104	356709.517
		2026	1543659.810	1175839.303	367820.506
		2027	1559623.774	1180923.788	378699.986
		2028	1574852.850	1185508.931	389343.920
		2029	1589437.452	1189688.964	399748.488
		2030	1600568.199	1192836.106	407732.094
		2031	1610776.297	1195538.778	415237.519
		2032	1620483.563	1197967.257	422516.306
		2033	1629745.442	1200161.716	429583.726
		2034	1638721.425	1202223.321	436498.105
		2035	1644649.404	1203533.039	441116.365
		2036	1650181.590	1204650.334	445531.255
		2037	1655476.066	1205651.357	449824.709
		2038	1660507.914	1206569.123	453938.790
		2039	1665361.569	1207459.002	457902.567
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233393.593	45.240
		1992	348084.047	347930.325	153.722
		1993	467278.318	466907.315	371.003
		1994	584216.907	583460.121	756.786
		1995	697391.457	696031.268	1360.188
		1996	809471.271	807223.288	2247.983
		1997	922587.668	919071.317	3516.350
		1998	1034072.457	1028928.391	5144.066
		1999	1153475.399	1146097.471	7377.928
		2000	1268050.268	1257848.075	10202.193
		2001	1382786.209	1368956.289	13829.921
		2002	1497557.412	1479183.275	18374.137
		2003	1614405.229	1590593.997	23811.233
		2004	1726672.489	1696589.084	30083.405
		2005	1847277.524	1809450.536	37826.988
		2006	1961009.963	1914501.885	46508.079
		2007	2079868.908	2022842.777	57026.131
		2008	2206755.783	2137039.815	69715.968
		2009	2331993.380	2248066.584	83926.796
		2010	2455130.176	2355546.899	99583.278
		2011	2582657.849	2464942.990	117714.858
		2012	2709719.005	2571835.861	137883.144
		2013	2840547.005	2679528.536	161018.470
		2014	2971677.135	2785121.465	186555.670
		2015	3104538.983	2890834.478	213704.505
		2016	3237650.175	2994047.785	243602.390
		2017	3370561.253	3094722.180	275839.073
		2018	3503136.371	3192018.616	311117.755
		2019	3636402.758	3287130.889	349271.869
		2020	3768054.453	3379144.225	388910.227
		2021	3897675.067	3466939.778	430735.289
		2022	4027307.132	3551749.922	475557.211
		2023	4156698.720	3633450.108	523248.612
		2024	4285772.226	3711974.559	573797.667
		2025	4410759.298	3786226.926	624532.372
		2026	4531411.064	3854658.544	676752.521
		2027	4651145.233	3919651.522	731493.712
		2028	4769837.872	3981137.495	788700.377
		2029	4887747.179	4039261.729	848485.450
2030	4997632.895	4092229.321	905403.574		
2031	5103301.991	4139700.609	963601.382		
2032	5207593.613	4184073.697	1023519.92		
2033	5310556.138	4225255.272	1085300.87		
2034	5412542.816	4263610.700	1148932.12		
2035	5500522.473	4296189.081	1204333.39		
2036	5588149.640	4326159.470	1261990.17		
2037	5674667.886	4353798.139	1320869.75		
2038	5760391.289	4379153.716	1381237.57		
2039	5845459.234	4402702.903	1442756.33		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	160006.055	23.455
		1992	240642.531	240553.152	89.379
		1993	329362.093	329123.063	239.030
		1994	418569.515	418053.698	515.817
		1995	509110.357	508123.531	986.826
		1996	600040.117	598382.311	1657.806
		1997	691159.071	688556.744	2602.327
		1998	782866.899	779014.548	3852.351
		1999	881526.925	875904.553	5622.372
		2000	977880.647	970135.657	7744.990

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

2001	1076787.404	1066303.282	10484.122
2002	1174842.754	1161006.463	13836.290
2003	1275102.681	1257219.877	17882.804
2004	1371026.306	1348598.068	22428.237
2005	1473954.509	1445720.566	28233.943
2006	1574450.828	1539599.418	34851.410
2007	1673790.211	1631452.415	42337.796
2008	1782360.738	1730712.276	51648.461
2009	1892944.209	1830321.594	62622.615
2010	2002131.282	1927529.863	74601.419
2011	2114522.152	2025857.981	88664.172
2012	2228079.372	2123733.033	104346.339
2013	2345377.689	2223012.580	122365.109
2014	2462498.422	2320298.916	142199.506
2015	2581450.312	2418228.179	163222.133
2016	2701959.301	2515386.011	186573.290
2017	2823834.967	2611527.865	212307.102
2018	2938265.081	2700419.642	237845.439
2019	3053254.880	2787741.366	265513.514
2020	3167073.216	2872817.571	294255.645
2021	3279517.699	2955469.084	324048.615
2022	3392060.964	3036003.368	356057.595
2023	3504296.171	3114103.986	390192.186
2024	3616019.231	3189584.078	426435.153
2025	3724611.269	3261534.842	463076.427
2026	3827181.707	3328217.005	498964.702
2027	3928684.441	3391965.264	536719.177
2028	4029124.892	3452776.708	576348.185
2029	4128269.068	3510521.175	617747.892
2030	4221560.174	3563701.822	657858.351
2031	4304170.584	3609106.592	695063.993
2032	4384930.537	3651475.917	733454.620
2033	4464357.691	3691075.747	773281.944
2034	4542251.545	3727928.154	814323.390
2035	4611066.648	3759856.507	851210.141
2036	4670309.230	3785697.335	884611.896
2037	4728179.514	3809485.559	918693.956
2038	4785008.048	3831456.739	953551.310
2039	4841291.793	3851981.850	989309.943

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2577322.071	2543.286
		1992	3830683.831	3821211.203	9472.628
		1993	5076567.803	5054158.647	22409.156
		1994	6292145.526	6249387.185	42758.342
		1995	7485537.010	7413344.218	72192.791
		1996	8655955.028	8543931.071	112023.957
		1997	9791729.713	9629551.292	162178.420
		1998	10899134.186	10676094.712	223039.474
		1999	12070409.674	11762871.439	307538.236
		2000	13231384.595	12825129.488	406255.107
		2001	14371761.018	13850595.352	521165.666
		2002	15508906.386	14854144.611	654761.775
		2003	16638100.422	15831927.742	806172.681
		2004	17736465.088	16766282.610	970182.479
		2005	18834658.606	17683298.754	1151359.85
		2006	19909100.501	18558608.864	1350491.64
		2007	20958321.463	19395934.318	1562387.15
		2008	22000068.148	20210712.181	1789355.97
		2009	23018816.903	20991318.085	2027498.82
		2010	24018480.537	21739079.720	2279400.82
		2011	25003034.574	22457622.983	2545411.59
		2012	25969871.429	23145257.702	2824613.73
		2013	26920275.180	23803892.854	3116382.33
		2014	27849005.227	24429801.356	3419203.87
		2015	28749620.400	25025175.459	3724444.94
		2016	29622417.562	25581153.935	4041263.63
		2017	30462559.724	26098543.343	4364016.38
		2018	31293299.299	26595872.808	4697426.49
		2019	32109993.427	27070455.373	5039538.05
		2020	32883323.977	27516297.923	5367026.05
		2021	33610102.554	27909832.179	5700270.38
		2022	34322010.448	28282008.787	6040001.66
		2023	35018383.550	28633036.466	6385347.08
		2024	35700177.955	28964371.434	6735806.52
		2025	36315500.346	29265762.200	7049738.15
		2026	36896159.343	29525857.668	7370301.67
		2027	37462570.116	29769451.884	7693118.23
		2028	38015337.780	29996115.232	8019222.55
		2029	38554814.764	30207437.186	8347377.58
		2030	39003805.400	30390133.608	8613671.79
		2031	39436509.703	30546834.305	8889675.40
2032	39858470.458	30691912.800	9166557.66		
2033	40270147.082	30825022.079	9445125.00		
2034	40672665.743	30948446.407	9724219.34		
2035	40962732.664	31044222.555	9918510.11		
2036	41255021.653	31130168.925	10124852.7		
2037	41540573.023	31209241.879	10331331.1		
2038	41820158.066	31281566.392	10538591.7		
2039	42093547.949	31348638.657	10744909.3		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1181926.435	644.817	
1992		1777346.679	1774847.962	2498.717	
1993		2380261.899	2374218.117	6043.782	
1994		2983130.039	2971238.288	11891.751	
1995		3588982.584	3568493.224	20489.360	
1996		4195430.235	4162663.258	32766.976	
1997		4793866.694	4745542.167	48324.528	
1998		5389747.381	5322014.975	67732.406	
1999		6006722.467	5912826.856	93895.611	
2000		6625758.871	6501024.712	124734.159	
2001		7245135.411	7083189.977	161945.434	
2002		7867492.021	7661867.609	205624.411	
2003		8485051.793	8229958.194	255093.599	
2004		9092994.774	8782643.974	310350.800	
2005		9706032.803	9333623.695	372409.108	
2006		10311907.548	9870313.429	441594.119	
2007		10909437.502	10393208.607	516228.896	
2008		11506462.491	10907217.320	599245.171	
2009		12098393.287	11410400.941	687992.346	
2010		12681188.981	11898430.011	782758.970	

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

		2011	13260062.991	12374558.374	885504.618
		2012	13839417.441	12842191.607	997225.834
		2013	14409614.758	13295138.280	1114476.48
		2014	14976658.746	13735844.901	1240813.85
		2015	15529977.821	14160214.742	1369763.08
		2016	16066640.764	14562583.918	1504056.85
		2017	16590035.078	14946443.322	1643591.76
		2018	17098716.137	15314099.577	1784616.56
		2019	17599868.850	15668565.353	1931303.50
		2020	18081346.241	16005701.303	2075644.94
		2021	18537594.460	16316324.088	2221270.37
		2022	18985300.234	16613692.129	2371608.10
		2023	19423958.747	16897425.920	2526532.83
		2024	19853347.772	17167667.562	2685680.21
		2025	20252822.245	17417545.971	2835276.27
		2026	20619307.063	17638251.179	2981055.88
		2027	20976063.406	17846325.544	3129737.86
		2028	21323641.947	18042398.476	3281243.47
		2029	21662117.106	18226988.010	3435129.10
		2030	21960971.694	18389833.498	3571138.20
		2031	22224951.983	18524936.177	3700015.81
		2032	22480397.853	18650302.827	3830095.03
		2033	22728639.455	18766956.782	3961682.67
		2034	22970448.888	18875994.150	4094454.74
		2035	23164154.188	18963850.886	4200303.30
		2036	23334538.616	19034397.794	4300140.82
		2037	23499760.723	19099331.389	4400429.33
		2038	23660308.401	19159515.281	4500793.12
		2039	23817891.273	19216455.772	4601435.50
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177589.565	154.547
		1992	1750034.892	1749474.207	560.684
		1993	2319752.308	2318372.958	1379.350
		1994	2872597.339	2869862.664	2734.675
		1995	3411494.825	3406696.743	4798.082
		1996	3945569.726	3937634.673	7935.053
		1997	4463316.362	4451184.796	12131.566
		1998	4975301.180	4957625.818	17675.362
		1999	5473691.125	5448974.581	24716.544
		2000	5977500.570	5943656.517	33844.053
		2001	6474795.516	6429556.763	45238.753
		2002	6968769.705	6909647.274	59122.431
		2003	7460282.140	7384259.810	76022.330
		2004	7947048.275	7851183.626	95864.649
		2005	8430571.669	8311659.324	118912.345
		2006	8903945.390	8758579.575	145365.815
		2007	9364177.982	9189280.590	174897.392
		2008	9822525.458	9613581.122	208944.336
		2009	10275228.886	10028124.534	247104.352
		2010	10720275.500	10430975.138	289300.363
		2011	11155356.373	10819999.440	335356.933
		2012	11582611.617	11196094.967	386516.650
		2013	11998803.791	11556797.012	442006.779
		2014	12402087.090	11900745.883	501341.207
		2015	12793451.706	12229418.020	564033.686
		2016	13160101.653	12531458.897	628642.756
		2017	13503583.414	12808764.669	694818.745
		2018	13859755.737	13088510.469	771245.268
		2019	14211625.176	13358334.348	853290.828
		2020	14553935.288	13615622.615	938312.673
		2021	14851747.495	13832896.705	1018850.79
		2022	15144531.004	14040231.103	1104299.90
		2023	15431932.496	14237427.430	1194505.07
		2024	15713920.740	14424633.191	1289287.55
		2025	15979112.816	14597568.934	1381543.88
		2026	16206550.153	14738432.241	1468117.91
		2027	16428826.050	14870845.103	1557980.95
		2028	16645902.186	14994649.281	1651252.90
		2029	16858126.517	15110449.494	1747677.02
		2030	17045220.687	15211881.369	1833339.32
		2031	17208482.610	15293302.059	1915180.55
		2032	17367586.074	15368917.962	1998668.11
		2033	17522716.280	15438511.142	2084205.14
		2034	17674226.555	15502967.611	2171258.94
		2035	17792201.734	15553735.793	2238465.94
		2036	17903508.236	15597054.790	2306453.45
		2037	18012162.345	15636912.420	2375249.92
		2038	18118464.470	15673305.984	2445158.49

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

		2039	18222549.860	15707051.895	2515497.97
	Female	1990	307897.357	307897.357	0.000
		1991	616547.418	616476.786	70.632
		1992	931086.773	930800.748	286.026
		1993	1246155.671	1245436.448	719.223
		1994	1561212.934	1559736.739	1476.196
		1995	1879967.742	1877279.035	2688.707
		1996	2197488.109	2193019.619	4468.490
		1997	2515698.453	2508705.258	6993.195
		1998	2836249.556	2825872.845	10376.711
		1999	3150201.390	3135514.044	14687.345
		2000	3472722.342	3452550.960	20171.382
		2001	3796994.889	3769834.322	27160.567
		2002	4126619.935	4090812.449	35807.486
		2003	4454982.533	4408948.933	46033.600
		2004	4784343.030	4726123.178	58219.853
		2005	5113443.121	5041056.227	72386.894
		2006	5442543.963	5353406.974	89136.989
		2007	5772441.497	5664077.587	108363.909
		2008	6091911.943	5962348.852	129563.091
		2009	6413671.330	6259665.331	154005.999
		2010	6730763.530	6550004.032	180759.498
		2011	7043614.101	6833141.459	210472.642
		2012	7356270.780	7112615.053	243655.727
		2013	7662551.964	7383046.619	279505.345
		2014	7964551.465	7646141.976	318409.489
		2015	8254895.403	7896421.268	358474.135
		2016	8530661.848	8130296.226	400365.622
		2017	8795826.122	8351746.043	444080.079
		2018	9067233.707	8573530.195	493703.511
		2019	9335343.270	8788344.233	546999.037
		2020	9596110.883	8994140.195	601970.688
		2021	9833186.859	9178100.757	655086.101
		2022	10066452.037	9354875.081	711576.956
		2023	10295503.609	9524187.504	771316.105
		2024	10520125.318	9685873.066	834252.252
		2025	10731915.863	9836038.576	895877.287
		2026	10917495.549	9964144.303	953351.245
		2027	11098620.885	10085277.323	1013343.56
		2028	11275441.234	10199665.295	1075775.94
		2029	11447962.710	10307486.457	1140476.25
		2030	11601867.623	10402619.046	1199248.58
		2031	11731666.516	10478775.067	1252891.45
		2032	11857585.969	10549610.929	1307975.04
		2033	11980128.625	10615612.187	1364516.44
		2034	12099562.464	10677320.249	1422242.22
		2035	12195919.946	10726705.616	1469214.33
		2036	12278201.969	10765376.392	1512825.58
		2037	12358146.336	10801127.849	1557018.49
		2038	12435978.633	10834407.440	1601571.19
		2039	12512468.845	10866057.719	1646411.13
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1017076.785	2142.609
		1992	1509598.614	1501585.776	8012.839
		1993	1992735.299	1973895.948	18839.351
		1994	2462877.575	2427248.155	35629.420
		1995	2928249.390	2868583.390	59666.000
		1996	3377377.730	3285698.753	91678.976
		1997	3809062.472	3677597.994	131464.478
		1998	4222213.867	4043113.641	179100.227
		1999	4708317.743	4461049.845	247267.898
		2000	5182084.396	4856671.246	325413.150
		2001	5644097.705	5228767.869	415329.835
		2002	6107232.129	5588080.318	519151.811
		2003	6561785.704	5927018.817	634766.887
		2004	6996156.348	6238346.891	757809.457
		2005	7426261.361	6534494.458	891766.903
		2006	7849012.694	6811820.820	1037191.87
		2007	8255300.530	7066512.162	1188788.37
		2008	8650662.040	7303015.322	1347646.72
		2009	9030818.513	7520354.813	1510463.70
		2010	9403026.327	7722565.635	1680460.69
		2011	9767535.506	7910092.450	1857443.06
		2012	10123044.281	8084172.653	2038871.63
		2013	10470104.786	8245617.882	2224486.90
		2014	10807756.112	8394670.237	2413085.88
		2015	11130681.425	8530738.804	2599942.62
		2016	11448966.506	8657487.148	2791479.36

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

		2017	11758164.882	8774314.466	2983850.42
		2018	12054448.241	8876479.956	3177968.29
		2019	12341606.261	8969510.700	3372095.56
		2020	12600728.939	9051376.327	3549352.61
		2021	12861767.105	9126723.930	3735043.17
		2022	13114168.616	9194811.239	3919357.38
		2023	13357894.797	9256077.474	4101817.32
		2024	13593848.521	9311749.517	4282099.00
		2025	13789177.359	9357573.807	4431603.55
		2026	13993401.656	9400921.729	4592479.93
		2027	14190519.224	9440300.760	4750218.46
		2028	14381193.356	9475533.450	4905659.91
		2029	14565171.927	9507356.635	5057815.29
		2030	14697381.605	9531209.626	5166171.98
		2031	14842203.512	9555031.238	5287172.27
		2032	14982485.826	9576522.496	5405963.33
		2033	15118410.647	9595622.204	5522788.44
		2034	15250284.398	9613242.093	5637042.31
		2035	15322911.166	9623537.476	5699373.69
		2036	15405115.031	9634234.754	5770880.28
		2037	15484709.137	9643998.398	5840710.74
		2038	15561812.193	9652898.810	5908913.38
		2039	15635992.616	9661119.870	5974872.75
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	294685.256	437.206
		1992	439962.920	438286.357	1676.563
		1993	584735.615	580738.991	3996.624
		1994	727640.783	719948.323	7692.460
		1995	868486.937	855532.875	12954.062
		1996	1010321.847	989908.102	20413.745
		1997	1144230.930	1114817.711	29413.219
		1998	1274513.622	1234104.391	40409.230
		1999	1426725.938	1370762.858	55963.080
		2000	1573462.680	1499819.160	73643.520
		2001	1719132.015	1624268.442	94863.573
		2002	1863006.732	1743844.374	119162.358
		2003	2002943.227	1856780.079	146163.149
		2004	2137798.705	1962236.740	175561.965
		2005	2271071.245	2063610.285	207460.960
		2006	2400707.731	2158563.179	242144.552
		2007	2523634.512	2245579.088	278055.424
		2008	2648752.232	2330873.865	317878.368
		2009	2765973.961	2408059.433	357914.529
		2010	2881329.235	2481376.915	399952.320
		2011	2994972.694	2550679.666	444293.028
		2012	3108958.829	2617101.416	491857.413
		2013	3218140.416	2678413.481	539726.935
		2014	3328387.914	2737599.873	590788.041
		2015	3435342.796	2793521.518	641821.278
		2016	3539189.408	2845764.280	693425.129
		2017	3640041.363	2894228.943	745812.420
		2018	3732645.362	2936613.958	796031.405
		2019	3821421.978	2975457.904	845964.074
		2020	3902115.950	3009877.391	892238.559
		2021	3984301.053	3043267.870	941033.182
		2022	4062629.299	3073601.747	989027.552
		2023	4137348.729	3101037.705	1036311.02
		2024	4208611.493	3125982.389	1082629.10
		2025	4269419.492	3146956.885	1122462.61
		2026	4330969.998	3166955.985	1164014.01
		2027	4389134.306	3184812.153	1204322.15
		2028	4444222.970	3200840.870	1243382.10
		2029	4496447.877	3215419.744	1281028.13
		2030	4536975.698	3226539.083	1310436.61
		2031	4578338.586	3237134.033	1341204.55
		2032	4617397.784	3246624.040	1370773.74
		2033	4654407.697	3255240.769	1399166.93
		2034	4689913.454	3263417.138	1426496.32
		2035	4712518.190	3268425.187	1444093.00
		2036	4735845.827	3273149.879	1462695.95
		2037	4757958.806	3277356.603	1480602.20
		2038	4778813.806	3281192.531	1497621.27
		2039	4798769.065	3284893.799	1513875.27
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	149262.128	200.889
		1992	222966.278	222220.689	745.589
		1993	296801.879	294981.613	1820.265
		1994	372453.706	368814.113	3639.593

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

	1995	448401.338	442028.288	6373.049
	1996	523536.301	513365.626	10170.675
	1997	596763.211	581681.664	15081.547
	1998	667546.681	646401.377	21145.304
	1999	734925.407	706708.688	28216.719
	2000	803749.361	766891.617	36857.744
	2001	870081.588	823223.727	46857.861
	2002	935347.140	877105.057	58242.083
	2003	1001627.349	929876.646	71750.703
	2004	1066587.976	979924.972	86663.003
	2005	1130548.052	1027377.973	103170.079
	2006	1195132.454	1073301.273	121831.181
	2007	1258974.043	1116783.743	142190.300
	2008	1320124.867	1156424.957	163699.909
	2009	1380776.123	1193965.989	186810.135
	2010	1440048.533	1229014.159	211034.374
	2011	1497484.847	1261409.269	236075.578
	2012	1554496.526	1291752.950	262743.576
	2013	1610819.598	1320295.104	290524.494
	2014	1667484.890	1347330.752	320154.138
	2015	1720948.287	1371936.566	349011.721
	2016	1775699.228	1395571.439	380127.789
	2017	1830250.175	1417782.824	412467.351
	2018	1875958.950	1435511.214	440447.736
	2019	1920359.232	1451704.686	468654.545
	2020	1960605.297	1465929.477	494675.820
	2021	1998912.887	1478581.024	520331.863
	2022	2036003.696	1490037.992	545965.703
	2023	2071857.536	1500393.877	571463.660
	2024	2106636.468	1509797.897	596838.572
	2025	2136450.873	1517632.473	618818.400
	2026	2164796.470	1524551.229	640245.241
	2027	2192079.608	1530818.042	661261.566
	2028	2218404.367	1536410.575	681993.791
	2029	2243769.140	1541433.682	702335.459
	2030	2263570.213	1545334.908	718235.305
	2031	2282521.590	1548806.767	733714.823
	2032	2300804.945	1551897.559	748907.386
	2033	2318464.018	1554636.578	763827.440
	2034	2335611.973	1557143.277	778468.696
	2035	2347097.290	1558834.702	788262.589
	2036	2358248.747	1560368.549	797880.198
	2037	2369033.655	1561770.950	807262.705
	2038	2379490.114	1563052.800	816437.313
	2039	2389546.238	1564229.778	825316.460
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110758.339	113.523
	1992	165654.454	165207.684	446.770
	1993	220008.519	218919.515	1089.004
	1994	275706.807	273499.213	2207.594
	1995	331417.547	327556.973	3860.574
	1996	387580.161	381351.521	6228.640
	1997	442778.242	433459.283	9318.959
	1998	496117.305	483017.679	13099.626
	1999	548268.214	530636.106	17632.109
	2000	601693.202	578504.240	23188.961
	2001	652221.103	622761.632	29459.471
	2002	703022.600	666171.964	36850.636
	2003	752023.351	706963.676	45059.675
	2004	799826.733	745624.087	54202.646
	2005	847563.928	783152.948	64410.980
	2006	894205.027	818634.426	75570.601
	2007	939571.282	851959.524	87611.758
	2008	983437.578	883103.368	100334.210
	2009	1025803.786	912128.780	113675.006
	2010	1066964.934	939239.718	127725.216
	2011	1106954.044	964536.850	142417.194
	2012	1146108.461	988327.528	157780.933
	2013	1183544.689	1010167.134	173377.555
	2014	1221220.945	1031211.462	190009.483
	2015	1258289.311	1051342.599	206946.712
	2016	1294830.207	1070314.155	224516.052
	2017	1330332.626	1087981.317	242351.309
	2018	1360571.987	1102436.109	258135.878
	2019	1389848.723	1115769.003	274079.720
	2020	1416046.192	1127447.115	288599.077
	2021	1440588.850	1137889.030	302699.820
	2022	1464157.934	1147423.297	316734.638

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

		2023	1486810.237	1156104.315	330705.922
		2024	1508591.729	1164020.196	344571.533
		2025	1526875.621	1170581.572	356294.049
		2026	1543659.810	1176272.868	367386.941
		2027	1559623.774	1181374.604	378249.171
		2028	1574852.850	1185976.269	388876.581
		2029	1589437.452	1190172.103	399265.350
		2030	1600568.199	1193333.165	407235.034
		2031	1610776.297	1196048.488	414727.809
		2032	1620483.563	1198488.919	421994.644
		2033	1629745.442	1200694.645	429050.797
		2034	1638721.425	1202767.155	435954.271
		2035	1644649.404	1204085.143	440564.261
		2036	1650181.590	1205209.811	444971.778
		2037	1655476.066	1206217.683	449258.383
		2038	1660507.914	1207141.876	453366.038
		2039	1665361.569	1208038.049	457323.520
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233393.593	45.240
		1992	348084.047	347930.531	153.516
		1993	467278.318	466908.128	370.189
		1994	584216.907	583462.253	754.654
		1995	697391.457	696035.797	1355.660
		1996	809471.271	807232.018	2239.252
		1997	922587.668	919086.839	3500.829
		1998	1034072.457	1028953.876	5118.581
		1999	1153475.399	1146138.325	7337.074
		2000	1268050.268	1257910.107	10140.160
		2001	1382786.209	1369046.992	13739.218
		2002	1497557.412	1479311.962	18245.449
		2003	1614405.229	1590772.469	23632.760
		2004	1726672.489	1696827.120	29845.369
		2005	1847277.524	1809766.999	37510.526
		2006	1961009.963	1914907.196	46102.767
		2007	2079868.908	2023357.822	56511.086
		2008	2206755.783	2137690.780	69065.003
		2009	2331993.380	2248872.749	83120.631
		2010	2455130.176	2356524.788	98605.388
		2011	2582657.849	2466121.824	116536.025
		2012	2709719.005	2573237.132	136481.873
		2013	2840547.005	2681182.857	159364.149
		2014	2971677.135	2787054.484	184622.651
		2015	3104538.983	2893082.070	211456.913
		2016	3237650.175	2996636.451	241013.724
		2017	3370561.253	3097681.384	272879.869
		2018	3503136.371	3195371.169	307765.202
		2019	3636402.758	3290905.639	345497.119
		2020	3768054.453	3383369.503	384684.950
		2021	3897675.067	3471630.519	426044.548
		2022	4027307.132	3556928.454	470378.679
		2023	4156698.720	3639137.684	517561.036
		2024	4285772.226	3718190.828	567581.397
		2025	4410759.298	3792986.986	617772.312
		2026	4531411.064	3861952.468	669458.596
		2027	4651145.233	3927487.979	723657.254
		2028	4769837.872	3989521.925	780315.947
		2029	4887747.179	4048197.375	839549.804
2030	4997632.895	4101707.705	895925.190		
2031	5103301.991	4149694.241	953607.750		
2032	5207593.613	4194574.783	1013018.83		
2033	5310556.138	4236252.154	1074303.98		
2034	5412542.816	4275093.426	1137449.39		
2035	5500522.473	4308114.584	1192407.89		
2036	5588149.640	4338510.832	1249638.81		
2037	5674667.886	4366560.111	1308107.78		
2038	5760391.289	4392308.798	1368082.49		
2039	5845459.234	4416237.114	1429222.12		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	160006.055	23.455
		1992	240642.531	240553.173	89.358
		1993	329362.093	329123.163	238.931
		1994	418569.515	418054.013	515.502
		1995	509110.357	508124.341	986.016
		1996	600040.117	598384.016	1656.101
		1997	691159.071	688559.916	2599.155
		1998	782866.899	779020.059	3846.839
		1999	881526.925	875913.849	5613.077
		2000	977880.647	970150.352	7730.296

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

2001	1076787.404	1066325.581	10461.823
2002	1174842.754	1161038.824	13803.930
2003	1275102.681	1257265.505	17837.176
2004	1371026.306	1348659.969	22366.336
2005	1473954.509	1445804.235	28150.274
2006	1574450.828	1539708.851	34741.977
2007	1673790.211	1631592.407	42197.804
2008	1782360.738	1730891.235	51469.502
2009	1892944.209	1830547.397	62396.812
2010	2002131.282	1927809.346	74321.936
2011	2114522.152	2026200.399	88321.754
2012	2228079.372	2124147.611	103931.761
2013	2345377.689	2223511.045	121866.644
2014	2462498.422	2320891.590	141606.832
2015	2581450.312	2418929.357	162520.955
2016	2701959.301	2516209.258	185750.043
2017	2823834.967	2612487.019	211347.948
2018	2938265.081	2701519.315	236745.766
2019	3053254.880	2788994.214	264260.666
2020	3167073.216	2874236.601	292836.615
2021	3279517.699	2957066.431	322451.268
2022	3392060.964	3037792.005	354268.959
2023	3504296.171	3116096.396	388199.775
2024	3616019.231	3191791.911	424227.320
2025	3724611.269	3263968.939	460642.330
2026	3827181.707	3330878.022	496303.685
2027	3928684.441	3394861.464	533822.977
2028	4029124.892	3455916.041	573208.851
2029	4128269.068	3513909.707	614359.361
2030	4221560.174	3567342.203	654217.970
2031	4304170.584	3612978.589	691191.996
2032	4384930.537	3655578.939	729351.598
2033	4464357.691	3695409.181	768948.511
2034	4542251.545	3732489.608	809761.937
2035	4611066.648	3764634.940	846431.708
2036	4670309.230	3790661.712	879647.519
2037	4728179.514	3814629.255	913550.259
2038	4785008.048	3836773.434	948234.614
2039	4841291.793	3857466.205	983825.588

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	303653.242	140257.792
		35-39	1146798.555	785731.581	361066.974
		40-44	2609591.408	1766535.281	843056.127
		45-49	4775841.753	3220910.908	1554930.84
		50-54	7446969.205	5152722.220	2294246.98
		55-59	8240205.925	5996520.228	2243685.70
		60-64	8772829.118	6812931.966	1959897.15
		65-69	6161494.678	5113970.514	1047524.16
		70-74	2495906.274	2136717.017	359189.257
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	176235.872	52904.689
		35-39	570217.942	439341.161	130876.780
		40-44	1267538.938	973440.344	294098.594
		45-49	2340070.698	1797603.956	542466.743
		50-54	3743803.613	2893049.848	850753.765
		55-59	4591478.168	3620086.599	971391.569
		60-64	5207367.788	4260974.696	946393.092
		65-69	4092181.394	3489193.235	602988.159
70-74		1776092.171	1547574.208	228517.963	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	57222.791	8842.226
		35-39	232509.414	202524.280	29985.134
		40-44	688628.041	591813.163	96814.879
		45-49	1528300.367	1291928.138	236372.229
		50-54	2730187.229	2294192.253	435994.976
		55-59	3909101.673	3282838.685	626262.989
		60-64	4287716.660	3709508.155	578208.504
		65-69	3467897.115	3065226.788	402670.326
		70-74	1312144.343	1179829.874	132314.469
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	45673.428	6239.685
		35-39	189792.904	168130.855	21662.050
		40-44	527596.573	459239.713	68356.860
		45-49	1122524.269	963946.160	158578.109
		50-54	1882214.322	1604431.296	277783.026
		55-59	2595581.943	2203413.252	392168.691
		60-64	2846273.090	2474344.244	371928.846
		65-69	2358758.394	2090200.319	268558.075
70-74		937814.238	845622.294	92191.943	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	164264.863	99569.703
		35-39	692140.150	424659.965	267480.186
		40-44	1519708.432	893188.585	626519.848
		45-49	2568546.697	1460562.862	1107983.83
		50-54	3632929.903	2124914.604	1508015.30
		55-59	2807892.356	1680113.285	1127779.07
		60-64	2599825.934	1738089.559	861736.374
		65-69	1113578.307	815595.542	297982.765
		70-74	437536.271	348214.360	89321.910
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	54372.763	25276.334
		35-39	193965.908	127468.009	66497.898
		40-44	403380.974	258236.899	145144.076
		45-49	671385.408	423357.627	248027.781
		50-54	1011875.989	653996.636	357879.353
		55-59	849875.715	560850.863	289024.853
		60-64	925490.876	671145.438	254345.438
		65-69	455463.881	359094.470	96369.412
70-74		207681.216	174534.803	33146.413	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	51991.758	21471.892
		35-39	151934.057	106051.616	45882.441
		40-44	262845.974	179309.546	83536.428
		45-49	383421.246	253593.023	129828.223
		50-54	479872.634	304062.749	175809.885
		55-59	437124.903	268947.944	168176.959
		60-64	419457.235	270678.054	148779.180
		65-69	128180.574	87997.572	40183.002
		70-74	53245.965	39670.039	13575.927
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	48619.057	14300.034

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

		35-39	120806.205	91518.174	29288.032
		40-44	203391.885	150804.046	52587.839
		45-49	278172.097	201258.340	76913.757
		50-54	325979.181	229786.637	96192.544
		55-59	275161.340	190020.561	85140.779
		60-64	268920.493	194283.249	74637.244
		65-69	87956.054	67298.971	20657.083
		70-74	42055.224	33869.968	8185.256
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	30173.831	10373.970
		35-39	70214.933	52495.720	17719.213
		40-44	138408.960	102223.988	36184.973
		45-49	295573.443	214826.884	80746.559
		50-54	603979.438	429552.614	174426.825
		55-59	1086086.992	764620.314	321466.678
		60-64	1465829.290	1094656.197	371173.093
		65-69	1451838.682	1145150.611	306688.071
		70-74	692979.695	569002.744	123976.951
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	27570.624	7088.637
		35-39	65652.924	52224.123	13428.801
		40-44	133169.505	105159.686	28009.819
		45-49	267988.924	209041.828	58947.096
		50-54	523734.121	404835.279	118898.841
		55-59	870859.170	665801.924	205057.246
		60-64	1166683.329	921201.765	245481.563
		65-69	1190003.066	972599.476	217403.590
		70-74	588541.493	493547.143	94994.350
		75-79	0.000	0.000	0.000

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	303667.993	140243.041
		35-39	1146798.555	785838.383	360960.172
		40-44	2609591.408	1767197.678	842393.730
		45-49	4775841.753	3223720.637	1552121.12
		50-54	7446969.205	5160718.253	2286250.95
		55-59	8240205.925	6008191.539	2232014.39
		60-64	8772829.118	6830420.640	1942408.48
		65-69	6161494.678	5126435.010	1035059.67
		70-74	2495906.274	2142448.524	353457.750
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	176239.031	52901.529
		35-39	570217.942	439363.700	130854.241
		40-44	1267538.938	973577.974	293960.964
		45-49	2340070.698	1798196.985	541873.713
		50-54	3743803.613	2894910.293	848893.320
		55-59	4591478.168	3623463.032	968015.136
		60-64	5207367.788	4266474.904	940892.883
		65-69	4092181.394	3494029.267	598152.127
70-74		1776092.171	1550200.584	225891.587	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	57225.554	8839.464
		35-39	232509.414	202552.746	29956.669
		40-44	688628.041	592048.805	96579.236
		45-49	1528300.367	1293138.658	235161.709
		50-54	2730187.229	2297954.117	432233.112
		55-59	3909101.673	3289465.154	619636.519
		60-64	4287716.660	3719244.918	568471.742
		65-69	3467897.115	3072514.918	395382.197
		70-74	1312144.343	1182907.026	129237.318
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	45674.294	6238.819
		35-39	189792.904	168139.625	21653.280
		40-44	527596.573	459307.552	68289.021
		45-49	1122524.269	964276.147	158248.122
		50-54	1882214.322	1605498.951	276715.371
		55-59	2595581.943	2205516.776	390065.167
		60-64	2846273.090	2477596.953	368676.136
		65-69	2358758.394	2093030.045	265728.349
70-74		937814.238	847017.375	90796.862	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	164272.912	99561.653
		35-39	692140.150	424715.454	267424.697
		40-44	1519708.432	893499.540	626208.892
		45-49	2568546.697	1461693.410	1106853.29
		50-54	3632929.903	2127742.674	1505187.23
		55-59	2807892.356	1682552.997	1125339.36
		60-64	2599825.934	1741207.956	858617.978
		65-69	1113578.307	816736.283	296842.025
		70-74	437536.271	348698.644	88837.627
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	54373.780	25275.317
		35-39	193965.908	127474.643	66491.264
		40-44	403380.974	258271.432	145109.543
		45-49	671385.408	423481.131	247904.277
		50-54	1011875.989	654347.844	357528.145
		55-59	849875.715	561222.506	288653.210
		60-64	925490.876	671700.648	253790.228
		65-69	455463.881	359348.816	96115.065
70-74		207681.216	174672.999	33008.218	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	51994.002	21469.647
		35-39	151934.057	106065.234	45868.823
		40-44	262845.974	179372.527	83473.447
		45-49	383421.246	253796.520	129624.726
		50-54	479872.634	304488.906	175383.728
		55-59	437124.903	269387.503	167737.400
		60-64	419457.235	271245.250	148211.985
		65-69	128180.574	88143.653	40036.921
		70-74	53245.965	39736.183	13509.782
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	48619.788	14299.302

Results for PHIM for Run 10 (ELL Summary Sensitivity_Analysis_2.RTF)

		35-39	120806.205	91522.174	29284.032
		40-44	203391.885	150821.620	52570.266
		45-49	278172.097	201312.080	76860.017
		50-54	325979.181	229902.756	96076.425
		55-59	275161.340	190148.887	85012.453
		60-64	268920.493	194456.266	74464.227
		65-69	87956.054	67352.533	20603.521
		70-74	42055.224	33901.947	8153.277
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	30175.524	10372.277
		35-39	70214.933	52504.950	17709.984
		40-44	138408.960	102276.806	36132.154
		45-49	295573.443	215092.049	80481.394
		50-54	603979.438	430532.556	173446.883
		55-59	1086086.992	766785.885	319301.107
		60-64	1465829.290	1098722.517	367106.773
		65-69	1451838.682	1149040.157	302798.525
		70-74	692979.695	571106.671	121873.023
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	27571.170	7088.091
		35-39	65652.924	52227.259	13425.666
		40-44	133169.505	105177.371	27992.134
		45-49	267988.924	209127.627	58861.297
		50-54	523734.121	405160.742	118573.379
		55-59	870859.170	666574.864	204284.306
		60-64	1166683.329	922721.037	243962.292
		65-69	1190003.066	974297.873	215705.193
		70-74	588541.493	494608.263	93933.230
		75-79	0.000	0.000	0.000

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

System Date and Time: 20210220T095720
User: JohnS
SAS Version: 9.4
Project: Population Health Impact Model 7.3

The System is running in Test Mode

Maximum Upper Age for P Component = 79
Upper Age for ELL Calculations = 75
Report in E-component: Social Classes A and B combined
Description: Sensitivity Analysis 3 for VeneBio, Change Quitting rate
Assumption Files:
Options Control File: C:\VeneBio\OG_Test\US_Control_V_S3.CSV
TTP Test File: C:\VeneBio\OG_Test\TTP_Test_MAS3.csv
TTP Reference File: C:\VeneBio\OG_Test\TTP_Reference_V.csv
TTP Factor Test File: C:\VeneBio\OG_Test\TTP_FACTOR_Test.csv
TTP Factor Reference File: C:\VeneBio\OG_Test\TTP_FACTOR_Test.csv
TP Socioeconomic Groups: Not Used
Output Choices:C:\VeneBio\OG_Test\OUTC_PA.csv

Main Results will be sent to the folder C:\VeneBio\Main_Results\
Plots will be sent to the folder C:\VeneBio\Plot_Results\Plots_20210220T095720
Saved P, E and/or A Component results will be sent to the folder C:\VeneBio\SAVED\Saved_20210220T095720\

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Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

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Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

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Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Control File Details for Run: 1

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S3A
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_3
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 1, Scenario: Ecig

Variable Parameter		Value									
1. Country		US (United States)									
2. Sex		M (Males)									
3. Assumption Set		S3A									
Note:		Period is in Months									
Age	Period	Initiation			Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual	
10-14	1-12	0.001921	0.001921	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000	
15-19	1-12	0.002360	0.002360	0.000000	0.003614	0.001807	0.000000	0.000000	0.000000	0.000000	
20-24	1-12	0.000188	0.000188	0.000000	0.000943	0.000472	0.000000	0.000000	0.000000	0.000000	
25-29	1-12	0.000093	0.000093	0.000000	0.001143	0.000571	0.000000	0.000000	0.000000	0.000000	
30-34	1-12	0.000047	0.000047	0.000000	0.000871	0.000435	0.000000	0.000000	0.000000	0.000000	
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000433	0.000000	0.000000	0.000000	0.000000	
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.000699	0.000000	0.000000	0.000000	0.000000	
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.001016	0.000000	0.000000	0.000000	0.000000	
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.001604	0.000000	0.000000	0.000000	0.000000	
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.001787	0.000000	0.000000	0.000000	0.000000	
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.001730	0.000000	0.000000	0.000000	0.000000	
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.002068	0.000000	0.000000	0.000000	0.000000	
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.002796	0.000000	0.000000	0.000000	0.000000	
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.002796	0.000000	0.000000	0.000000	0.000000	
10-14	13-72	0.001962	0.002944	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000	
15-19	13-72	0.002796	0.004193	0.000000	0.004426	0.002213	0.000000	0.000000	0.000000	0.000000	
20-24	13-72	0.000275	0.000412	0.000000	0.001527	0.000764	0.000000	0.000000	0.000000	0.000000	
25-29	13-72	0.000385	0.000578	0.000000	0.001515	0.000758	0.000000	0.000000	0.000000	0.000000	
30-34	13-72	0.000146	0.000218	0.000000	0.001227	0.000613	0.000000	0.000000	0.000000	0.000000	
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.000815	0.000000	0.000000	0.000000	0.000000	
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.000926	0.000000	0.000000	0.000000	0.000000	
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.001333	0.000000	0.000000	0.000000	0.000000	
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.001604	0.000000	0.000000	0.000000	0.000000	
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.001989	0.000000	0.000000	0.000000	0.000000	
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.002886	0.000000	0.000000	0.000000	0.000000	
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.005216	0.000000	0.000000	0.000000	0.000000	
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.003540	0.000000	0.000000	0.000000	0.000000	
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.003540	0.000000	0.000000	0.000000	0.000000	
10-14	73-132	0.000862	0.003449	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000	
15-19	73-132	0.001066	0.004264	0.000000	0.003289	0.001645	0.000000	0.000000	0.000000	0.000000	
20-24	73-132	0.000491	0.001965	0.000000	0.003844	0.001922	0.000000	0.000000	0.000000	0.000000	
25-29	73-132	0.000168	0.000671	0.000000	0.002006	0.001003	0.000000	0.000000	0.000000	0.000000	
30-34	73-132	0.000083	0.000332	0.000000	0.001329	0.000664	0.000000	0.000000	0.000000	0.000000	
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.000639	0.000000	0.000000	0.000000	0.000000	
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.000846	0.000000	0.000000	0.000000	0.000000	
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.001452	0.000000	0.000000	0.000000	0.000000	
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.001660	0.000000	0.000000	0.000000	0.000000	
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.001988	0.000000	0.000000	0.000000	0.000000	
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.002617	0.000000	0.000000	0.000000	0.000000	
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.002951	0.000000	0.000000	0.000000	0.000000	
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.002808	0.000000	0.000000	0.000000	0.000000	
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.002808	0.000000	0.000000	0.000000	0.000000	
10-14	133-192	0.000173	0.003294	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000	
15-19	133-192	0.000234	0.004442	0.000000	0.003732	0.001866	0.000000	0.000000	0.000000	0.000000	
20-24	133-192	0.000003	0.000059	0.000000	0.002260	0.001130	0.000000	0.000000	0.000000	0.000000	
25-29	133-192	0.000071	0.001351	0.000000	0.002822	0.001411	0.000000	0.000000	0.000000	0.000000	
30-34	133-192	0.000035	0.000661	0.000000	0.002610	0.001305	0.000000	0.000000	0.000000	0.000000	
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.001029	0.000000	0.000000	0.000000	0.000000	
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.001155	0.000000	0.000000	0.000000	0.000000	
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.001128	0.000000	0.000000	0.000000	0.000000	
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.001332	0.000000	0.000000	0.000000	0.000000	
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.000873	0.000000	0.000000	0.000000	0.000000	
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.002905	0.000000	0.000000	0.000000	0.000000	
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.002948	0.000000	0.000000	0.000000	0.000000	
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.003661	0.000000	0.000000	0.000000	0.000000	
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.003661	0.000000	0.000000	0.000000	0.000000	
10-14	193-252	0.000116	0.002198	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000	
15-19	193-252	0.000199	0.003788	0.000000	0.005036	0.002518	0.000000	0.000000	0.000000	0.000000	
20-24	193-252	0.000016	0.000304	0.000000	0.002857	0.001429	0.000000	0.000000	0.000000	0.000000	
25-29	193-252	0.000013	0.000239	0.000000	0.002314	0.001157	0.000000	0.000000	0.000000	0.000000	
30-34	193-252	0.000006	0.000119	0.000000	0.004343	0.002171	0.000000	0.000000	0.000000	0.000000	
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.001046	0.000000	0.000000	0.000000	0.000000	
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.001283	0.000000	0.000000	0.000000	0.000000	
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.001156	0.000000	0.000000	0.000000	0.000000	
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.001604	0.000000	0.000000	0.000000	0.000000	

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.002029	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.003583	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.002141	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.002290	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.002290	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.005301	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.002157	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.001823	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.002256	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.001073	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.001318	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.000525	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.001259	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.001847	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.002944	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.002412	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.002366	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.002366	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 1, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 1, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	11508	12.47	0	0.00			
5	All Ages	Ecig	16028	17.37					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26386	28.59			15.47	1373	5.20
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	320	9.03	0	0.00			
5	18-19	Ecig	691	19.50					
5	18-19	Dual	0	0.00					
5	18-19	Former	85	2.40			1.13	57	67.06
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	946	10.46	0	0.00			
5	20-24	Ecig	1886	20.86					
5	20-24	Dual	0	0.00					
5	20-24	Former	421	4.66			3.02	107	25.42
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	1974	20.11					
5	25-29	Dual	0	0.00					
5	25-29	Former	1116	11.37			5.56	90	8.06
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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5	30-34	Never Any	5065	47.50					
5	30-34	CC	1480	13.88	0	0.00			
5	30-34	Ecig	2366	22.19					
5	30-34	Dual	0	0.00					
5	30-34	Former	1753	16.44			7.10	72	4.11
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2312	21.18					
5	35-39	Dual	0	0.00					
5	35-39	Former	2384	21.84			8.31	94	3.94
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1941	19.63					
5	40-44	Dual	0	0.00					
5	40-44	Former	2727	27.58			12.25	99	3.63
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1609	18.59					
5	45-49	Dual	0	0.00					
5	45-49	Former	2898	33.48			14.41	121	4.18
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	1073	16.47					
5	50-54	Dual	0	0.00					
5	50-54	Former	2583	39.65			16.31	137	5.30
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	794	14.50					
5	55-59	Dual	0	0.00					
5	55-59	Former	2332	42.58			17.43	104	4.46
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	613	12.30					
5	60-64	Dual	0	0.00					
5	60-64	Former	2436	48.89			17.55	114	4.68
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	403	8.22					
5	65-69	Dual	0	0.00					
5	65-69	Former	2856	58.23			20.73	170	5.95
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	220	5.01					
5	70-74	Dual	0	0.00					
5	70-74	Former	2706	61.68			22.18	120	4.43
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	146	4.17					
5	75-79	Dual	0	0.00					
5	75-79	Former	2089	59.70			23.13	88	4.21
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	4843	5.15	0	0.00			
10	All Ages	Ecig	22692	24.12					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	27380	29.10			17.83	1120	4.09
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	462	5.22	0	0.00			
10	20-24	Ecig	2847	32.19					
10	20-24	Dual	0	0.00					
10	20-24	Former	609	6.89			3.51	167	27.42
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	404	4.47	0	0.00			
10	25-29	Ecig	2583	28.57					
10	25-29	Dual	0	0.00					
10	25-29	Former	712	7.88			5.51	125	17.56
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	481	4.90	0	0.00			
10	30-34	Ecig	2743	27.94					
10	30-34	Dual	0	0.00					
10	30-34	Former	1316	13.41			9.25	80	6.08
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	3134	29.39					
10	35-39	Dual	0	0.00					
10	35-39	Former	1924	18.04			11.21	55	2.86
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	3025	27.71					
10	40-44	Dual	0	0.00					
10	40-44	Former	2600	23.82			12.39	63	2.42
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2480	25.08					
10	45-49	Dual	0	0.00					
10	45-49	Former	2984	30.17			15.93	108	3.62
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	2077	24.00					
10	50-54	Dual	0	0.00					
10	50-54	Former	3193	36.89			17.81	114	3.57
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1374	21.09					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2859	43.88			19.46	96	3.36
10	60-64	Never Any		1611	29.41					
10	60-64	CC		306	5.59	0	0.00			
10	60-64	Ecig		980	17.89					
10	60-64	Dual		0	0.00					
10	60-64	Former		2580	47.11			20.46	101	3.91
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		244	4.90	0	0.00			
10	65-69	Ecig		723	14.51					
10	65-69	Dual		0	0.00					
10	65-69	Former		2679	53.76			20.69	94	3.51
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		236	4.81	0	0.00			
10	70-74	Ecig		435	8.87					
10	70-74	Dual		0	0.00					
10	70-74	Former		3065	62.49			24.14	66	2.15
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		214	4.88	0	0.00			
10	75-79	Ecig		291	6.63					
10	75-79	Dual		0	0.00					
10	75-79	Former		2859	65.17			25.86	51	1.78
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		1911	2.13	0	0.00			
15	All Ages	Ecig		23351	26.03					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		26994	30.09			20.07	986	3.65
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		179	2.02	0	0.00			
15	25-29	Ecig		3125	35.33					
15	25-29	Dual		0	0.00					
15	25-29	Former		907	10.25			6.45	108	11.91
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		153	1.69	0	0.00			
15	30-34	Ecig		2863	31.67					
15	30-34	Dual		0	0.00					
15	30-34	Former		982	10.86			8.13	107	10.90
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		188	1.92	0	0.00			

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15	35-39	Ecig	2945	30.00					
15	35-39	Dual	0	0.00					
15	35-39	Former	1520	15.48			12.59	88	5.79
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	3270	30.66					
15	40-44	Dual	0	0.00					
15	40-44	Former	2166	20.31			14.61	107	4.94
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	3136	28.73					
15	45-49	Dual	0	0.00					
15	45-49	Former	2840	26.02			16.09	94	3.31
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	2520	25.48					
15	50-54	Dual	0	0.00					
15	50-54	Former	3215	32.51			19.57	99	3.08
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	2128	24.59					
15	55-59	Dual	0	0.00					
15	55-59	Former	3400	39.28			21.56	66	1.94
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	1388	21.30					
15	60-64	Dual	0	0.00					
15	60-64	Former	3065	47.05			22.94	98	3.20
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	921	16.82					
15	65-69	Dual	0	0.00					
15	65-69	Former	2821	51.51			23.46	86	3.05
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	648	13.00					
15	70-74	Dual	0	0.00					
15	70-74	Former	2869	57.58			24.12	74	2.58
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	407	8.30					
15	75-79	Dual	0	0.00					
15	75-79	Former	3209	65.42			27.92	59	1.84
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	738	0.87	0	0.00			
20	All Ages	Ecig	21649	25.53					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	26310	31.03			21.90	1014	3.85
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	71	0.80	0	0.00			
20	30-34	Ecig	3041	34.38					
20	30-34	Dual	0	0.00					
20	30-34	Former	1225	13.85			8.94	151	12.33
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	59	0.65	0	0.00			
20	35-39	Ecig	2699	29.86					
20	35-39	Dual	0	0.00					
20	35-39	Former	1291	14.28			10.49	106	8.21
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2836	28.89					
20	40-44	Dual	0	0.00					
20	40-44	Former	1749	17.82			15.56	86	4.92
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	3139	29.44					
20	45-49	Dual	0	0.00					
20	45-49	Former	2439	22.87			17.64	102	4.18
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2997	27.46					
20	50-54	Dual	0	0.00					
20	50-54	Former	3108	28.47			19.44	114	3.67
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	2362	23.89					
20	55-59	Dual	0	0.00					
20	55-59	Former	3501	35.40			22.73	113	3.23
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1919	22.17					
20	60-64	Dual	0	0.00					
20	60-64	Former	3737	43.18			24.31	172	4.60
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	1226	18.82					
20	65-69	Dual	0	0.00					
20	65-69	Former	3310	50.81			26.03	90	2.72
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	831	15.17					
20	70-74	Dual	0	0.00					
20	70-74	Former	2966	54.15			27.17	51	1.72
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	599	12.02					
20	75-79	Dual	0	0.00					
20	75-79	Former	2984	59.88			28.10	29	0.97
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	289	0.36	0	0.00			
25	All Ages	Ecig	19405	24.31					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	25376	31.79			24.17	760	2.99
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	28	0.32	0	0.00			
25	35-39	Ecig	2796	31.61					
25	35-39	Dual	0	0.00					
25	35-39	Former	1532	17.32			11.61	95	6.20
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	20	0.22	0	0.00			
25	40-44	Ecig	2536	28.05					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1493	16.52			13.67	78	5.22
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5163	52.60					
25	45-49	CC	29	0.30	0	0.00			
25	45-49	Ecig	2719	27.70					
25	45-49	Dual	0	0.00					
25	45-49	Former	1905	19.41			19.07	43	2.26
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4997	46.86					
25	50-54	CC	37	0.35	0	0.00			
25	50-54	Ecig	3019	28.31					
25	50-54	Dual	0	0.00					
25	50-54	Former	2611	24.48			21.27	83	3.18
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4724	43.28					
25	55-59	CC	33	0.30	0	0.00			
25	55-59	Ecig	2775	25.42					
25	55-59	Dual	0	0.00					
25	55-59	Former	3384	31.00			22.61	105	3.10
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	28	0.28	0	0.00			
25	60-64	Ecig	2101	21.25					
25	60-64	Dual	0	0.00					
25	60-64	Former	3819	38.62			25.59	133	3.48
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	43	0.50	0	0.00			
25	65-69	Ecig	1644	18.99					
25	65-69	Dual	0	0.00					
25	65-69	Former	4056	46.86			27.17	108	2.66
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	35	0.54	0	0.00			
25	70-74	Ecig	1068	16.39					
25	70-74	Dual	0	0.00					
25	70-74	Former	3493	53.61			29.51	64	1.83
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	36	0.66	0	0.00			
25	75-79	Ecig	747	13.64					
25	75-79	Dual	0	0.00					
25	75-79	Former	3083	56.29			31.03	51	1.65
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	33136	44.57					
30	All Ages	CC	100	0.13	0	0.00			
30	All Ages	Ecig	17009	22.88					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	24095	32.41			26.26	685	2.84
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	12	0.14	0	0.00			
30	40-44	Ecig	2609	29.50					
30	40-44	Dual	0	0.00					
30	40-44	Former	1735	19.62			14.91	77	4.44
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	5	0.06	0	0.00			
30	45-49	Ecig	2398	26.53					
30	45-49	Dual	0	0.00					
30	45-49	Former	1646	18.21			17.15	51	3.10
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	2612	26.61					
30	50-54	Dual	0	0.00					
30	50-54	Former	2032	20.70			22.67	62	3.05
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	2760	25.88					
30	55-59	Dual	0	0.00					
30	55-59	Former	2889	27.09			23.94	104	3.60
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	2427	22.23					
30	60-64	Dual	0	0.00					
30	60-64	Former	3755	34.40			25.07	151	4.02
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	1787	18.07					
30	65-69	Dual	0	0.00					
30	65-69	Former	4148	41.95			28.33	129	3.11
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	1450	16.75					
30	70-74	Dual	0	0.00					
30	70-74	Former	4275	49.39			30.63	70	1.64
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	966	14.83					
30	75-79	Dual	0	0.00					
30	75-79	Former	3615	55.49			33.43	41	1.13
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	38	0.06	0	0.00			
35	All Ages	Ecig	14446	21.30					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	22124	32.62			27.92	616	2.78
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	7	0.08	0	0.00			
35	45-49	Ecig	2456	27.77					
35	45-49	Dual	0	0.00					
35	45-49	Former	1893	21.40			18.45	43	2.27
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	3	0.03	0	0.00			
35	50-54	Ecig	2291	25.34					
35	50-54	Dual	0	0.00					
35	50-54	Former	1755	19.41			20.87	60	3.42
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	2362	24.06					
35	55-59	Dual	0	0.00					
35	55-59	Former	2291	23.34			24.77	105	4.58
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	2425	22.74					
35	60-64	Dual	0	0.00					
35	60-64	Former	3233	30.32			26.08	131	4.05
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	2063	18.90					
35	65-69	Dual	0	0.00					
35	65-69	Former	4124	37.78			27.58	132	3.20
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	1561	15.79					
35	70-74	Dual	0	0.00					
35	70-74	Former	4382	44.31			31.66	78	1.78
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	1288	14.88					
35	75-79	Dual	0	0.00					
35	75-79	Former	4446	51.37			34.34	67	1.51
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	15	0.03	0	0.00			
40	All Ages	Ecig	11686	19.75					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	19164	32.39			29.03	597	3.12
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4489	50.75					
40	50-54	CC		3	0.03	0	0.00			
40	50-54	Ecig		2332	26.37					
40	50-54	Dual		0	0.00					
40	50-54	Former		2021	22.85			22.07	66	3.27
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		4991	55.21					
40	55-59	CC		2	0.02	0	0.00			
40	55-59	Ecig		2090	23.12					
40	55-59	Dual		0	0.00					
40	55-59	Former		1957	21.65			23.41	74	3.78
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5163	52.60					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		2033	20.71					
40	60-64	Dual		0	0.00					
40	60-64	Former		2620	26.69			26.26	152	5.80
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		4997	46.86					
40	65-69	CC		4	0.04	0	0.00			
40	65-69	Ecig		2047	19.20					
40	65-69	Dual		0	0.00					
40	65-69	Former		3616	33.91			28.01	140	3.87
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		4724	43.28					
40	70-74	CC		3	0.03	0	0.00			
40	70-74	Ecig		1808	16.56					
40	70-74	Dual		0	0.00					
40	70-74	Former		4381	40.13			30.79	93	2.12
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		3941	39.85					
40	75-79	CC		3	0.03	0	0.00			

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

40	75-79	Ecig	1376	13.91					
40	75-79	Dual	0	0.00					
40	75-79	Former	4569	46.20			35.24	72	1.58
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	6	0.01	0	0.00			
45	All Ages	Ecig	9057	18.38					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	15854	32.17			29.70	518	3.27
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

45	55-59	Never Any	4489	50.75					
45	55-59	CC	2	0.02	0	0.00			
45	55-59	Ecig	2140	24.19					
45	55-59	Dual	0	0.00					
45	55-59	Former	2214	25.03			24.88	84	3.79
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	1832	20.27					
45	60-64	Dual	0	0.00					
45	60-64	Former	2217	24.52			25.29	113	5.10
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	1738	17.71					
45	65-69	Dual	0	0.00					
45	65-69	Former	2915	29.70			28.32	110	3.77
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	1783	16.72					
45	70-74	Dual	0	0.00					
45	70-74	Former	3883	36.41			30.87	113	2.91
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	1564	14.33					
45	75-79	Dual	0	0.00					
45	75-79	Former	4625	42.37			34.01	98	2.12
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	6428	16.75					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12296	32.05			30.24	426	3.46
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	1845	20.86					
50	60-64	Dual	0	0.00					
50	60-64	Former	2511	28.39			26.56	135	5.38
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	1537	17.00					
50	65-69	Dual	0	0.00					
50	65-69	Former	2512	27.79			26.99	109	4.34
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	1508	15.36					
50	70-74	Dual	0	0.00					
50	70-74	Former	3145	32.04			31.03	85	2.70
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	1538	14.42					
50	75-79	Dual	0	0.00					
50	75-79	Former	4128	38.71			33.86	97	2.35

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13148871	4509390.583	3024461.187	1484929	11.293	32.930	3806.31	1305.37	875.516	429.855

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	0.000	
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308577	122014.015	120877.705	1136.310	0.368	0.931	4729.73	1870.18	1852.76	17.417
1993	311713	122810.618	120677.298	2133.320	0.684	1.737	4692.62	1848.83	1816.71	32.116
1994	305700	119925.592	116647.074	3278.518	1.072	2.734	4516.19	1771.69	1723.26	48.434
1995	303225	117896.496	113279.722	4616.774	1.523	3.916	4393.80	1708.35	1641.45	66.898
1996	299559	115698.645	109609.173	6089.472	2.033	5.263	4273.16	1650.42	1563.56	86.865
1997	294226	113359.847	105789.553	7570.293	2.573	6.678	4128.67	1590.70	1484.47	106.229
1998	289258	111444.212	102390.754	9053.458	3.130	8.124	3992.19	1538.10	1413.15	124.951
1999	311002	114877.722	102774.132	12103.59	3.892	10.536	4224.60	1560.48	1396.07	164.413
2000	303786	112379.704	98577.429	13802.27	4.543	12.282	4066.21	1504.22	1319.47	184.745
2001	296294	110024.943	94408.652	15616.29	5.271	14.193	3914.28	1453.52	1247.21	206.304
2002	291898	108289.173	90638.128	17651.05	6.047	16.300	3813.00	1414.56	1183.99	230.572
2003	285865	106539.023	87092.745	19446.28	6.803	18.253	3695.36	1377.22	1125.84	251.381
2004	274177	103037.251	82282.582	20754.67	7.570	20.143	3506.10	1317.61	1052.21	265.405
2005	272379	103044.562	80403.478	22641.08	8.312	21.972	3442.69	1302.41	1016.25	286.168
2006	264118	99672.555	75427.988	24244.57	9.179	24.324	3307.76	1248.28	944.645	303.634
2007	258419	97839.152	72253.642	25585.51	9.901	26.151	3203.20	1212.75	895.610	317.142
2008	259461	98075.852	70790.485	27285.37	10.516	27.821	3180.09	1202.07	867.646	334.424
2009	253907	95617.338	67156.762	28460.58	11.209	29.765	3075.31	1158.11	813.400	344.713
2010	251878	94607.988	64829.145	29778.84	11.823	31.476	3013.72	1131.98	775.681	356.304
2011	251779	93633.119	62236.327	31396.79	12.470	33.532	2982.76	1109.25	737.299	371.950
2012	252643	92775.175	59800.659	32974.52	13.052	35.542	2960.61	1087.19	700.776	386.413
2013	256175	92345.780	57753.102	34592.68	13.504	37.460	2967.76	1069.82	669.063	400.752
2014	257393	91379.215	55447.612	35931.60	13.960	39.321	2947.05	1046.26	634.854	411.403
2015	259782	90750.242	53617.911	37132.33	14.294	40.917	3346.10	1168.90	690.621	478.280
2016	261453	88811.996	50444.386	38367.61	14.675	43.201	3336.15	1133.24	643.672	489.572
2017	263685	87325.126	47877.264	39447.86	14.960	45.174	3333.85	1104.08	605.327	498.752
2018	258714	87612.144	47208.393	40403.75	15.617	46.117	3240.73	1097.46	591.347	506.110
2019	261438	87797.760	45965.363	41832.40	16.001	47.646	3242.99	1089.08	570.174	518.907
2020	262288	87221.042	44582.031	42639.01	16.257	48.886	3715.29	1235.48	631.501	603.978
2021	255079	82001.292	39849.003	42152.29	16.525	51.404	3587.82	1153.39	560.496	592.893
2022	257097	81915.977	38457.075	43458.90	16.904	53.053	3588.53	1143.37	536.780	606.595
2023	259080	81810.810	37107.993	44702.82	17.254	54.642	3586.88	1132.64	513.748	618.896
2024	260719	81528.303	35779.453	45748.85	17.547	56.114	3579.65	1119.38	491.250	628.129
2025	257308	79599.213	34150.522	45448.69	17.663	57.097	4112.08	1272.09	545.765	726.323
2026	251528	75082.462	30521.932	44560.53	17.716	59.349	4003.24	1194.99	485.777	709.211
2027	250988	74444.425	29125.630	45318.79	18.056	60.876	3976.53	1179.46	461.452	718.009
2028	250285	73699.585	27645.243	46054.34	18.401	62.489	3945.35	1161.76	435.784	725.975
2029	249525	72819.703	26235.035	46584.67	18.669	63.973	3910.99	1141.36	411.201	730.156
2030	240528	69309.277	24522.334	44786.94	18.620	64.619	4504.36	1297.95	459.228	838.722
2031	235442	65433.368	21917.830	43515.54	18.482	66.504	4397.65	1222.18	409.387	812.794
2032	234017	64643.552	20758.522	43885.03	18.753	67.888	4356.12	1203.31	386.410	816.899
2033	232559	63793.514	19672.408	44121.11	18.972	69.162	4310.93	1182.54	364.666	817.870
2034	230963	63032.151	18662.352	44369.80	19.211	70.392	4260.75	1162.80	344.278	818.522
2035	215822	57653.301	17028.330	40624.97	18.823	70.464	4924.38	1315.47	388.534	926.937
2036	208183	52988.733	14485.312	38503.42	18.495	72.663	4748.94	1208.75	330.430	878.316
2037	205491	52026.921	13601.504	38425.42	18.699	73.857	4682.40	1185.50	309.928	875.574
2038	202834	50943.211	12733.848	38209.36	18.838	75.004	4612.18	1158.38	289.551	868.832
2039	200251	50085.991	12019.047	38066.94	19.010	76.003	4538.65	1135.19	272.410	862.781

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	3065988	2244988.113	1741534.300	503453.8	16.421	22.426	887.537	649.875	504.136	145.739

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	0.000	
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77987	62366.766	62237.631	129.135	0.166	0.207	1195.35	955.930	953.950	1.979
1993	78542	62652.888	62398.789	254.098	0.324	0.406	1182.39	943.195	939.369	3.825
1994	77437	61565.227	61164.512	400.715	0.517	0.651	1144.00	909.520	903.601	5.920
1995	76904	60851.961	60269.278	582.683	0.758	0.958	1114.36	881.759	873.316	8.443
1996	76232	60122.922	59311.142	811.779	1.065	1.350	1087.44	857.643	846.063	11.580
1997	75473	59237.155	58179.263	1057.892	1.402	1.786	1059.06	831.234	816.390	14.845
1998	75381	58906.696	57543.649	1363.047	1.808	2.314	1040.37	813.001	794.188	18.812
1999	73159	56930.073	55267.768	1662.305	2.272	2.920	993.781	773.329	750.749	22.580
2000	73784	57137.121	55085.121	2052.000	2.781	3.591	987.608	764.787	737.321	27.466
2001	73294	56481.726	53990.468	2491.258	3.399	4.411	968.273	746.169	713.258	32.912
2002	72442	55588.365	52635.891	2952.475	4.076	5.311	946.293	726.138	687.571	38.568
2003	71942	54945.856	51483.259	3462.598	4.813	6.302	929.989	710.281	665.520	44.761
2004	71301	54203.126	50179.329	4023.797	5.643	7.424	911.778	693.135	641.680	51.455
2005	70964	53744.603	49141.346	4603.257	6.487	8.565	896.937	679.296	621.114	58.182
2006	69658	52535.572	47324.910	5210.661	7.480	9.918	872.383	657.945	592.688	65.257
2007	68565	51492.124	45682.690	5809.434	8.473	11.282	849.888	638.264	566.253	72.010
2008	68226	51030.736	44495.220	6535.515	9.579	12.807	836.215	625.460	545.357	80.103
2009	67509	50276.199	43016.963	7259.236	10.753	14.439	817.667	608.943	521.020	87.924
2010	67196	49840.933	41857.839	7983.093	11.880	16.017	804.000	596.347	500.829	95.518
2011	66506	49072.841	40293.387	8779.454	13.201	17.891	787.880	581.354	477.346	104.008
2012	66155	48539.512	38908.273	9631.239	14.559	19.842	775.240	568.812	455.948	112.864
2013	65333	47675.741	37287.972	10387.77	15.900	21.788	756.876	552.318	431.977	120.341
2014	65033	47194.534	36022.608	11171.93	17.179	23.672	744.602	540.359	412.445	127.914
2015	64145	46305.842	34455.957	11849.89	18.474	25.590	726.215	526.439	443.807	152.632
2016	61618	44208.867	31972.289	12236.58	19.859	27.679	786.248	564.107	407.968	156.139
2017	59897	42702.624	30016.469	12686.15	21.180	29.708	757.297	539.903	379.508	160.395
2018	62468	44321.202	30090.973	14230.23	22.780	32.107	782.490	555.181	376.929	178.252
2019	63045	44493.088	29242.980	15250.11	24.189	34.275	782.035	551.912	362.743	189.169
2020	63466	44529.551	28333.403	16196.15	25.519	36.372	898.991	630.757	401.340	229.417
2021	57113	39852.556	24442.286	15410.27	26.982	38.668	803.323	560.546	343.793	216.753
2022	57440	39853.685	23502.107	16351.58	28.467	41.029	801.745	556.274	328.040	228.234
2023	57738	39847.050	22574.991	17272.06	29.914	43.346	799.366	551.670	312.544	239.126
2024	57942	39726.010	21644.265	18081.74	31.207	45.516	795.539	545.435	297.174	248.261
2025	57521	39207.348	20589.295	18618.05	32.367	47.486	919.257	626.579	329.041	297.538
2026	51428	34803.960	17525.949	17278.01	33.597	49.644	818.510	553.929	278.937	274.991
2027	51172	34484.595	16602.701	17881.89	34.945	51.855	810.740	546.357	263.045	283.312
2028	50870	34100.638	15646.509	18454.13	36.277	54.117	801.884	537.544	246.643	290.901
2029	50540	33669.838	14743.408	18926.43	37.449	56.212	792.146	527.732	231.084	296.648
2030	49109	32557.688	13730.741	18826.95	38.337	57.826	919.662	609.705	257.135	352.571
2031	43585	28646.393	11566.635	17079.76	39.187	59.623	814.096	535.065	216.045	319.020
2032	43163	28227.160	10868.172	17358.99	40.218	61.497	803.454	525.435	202.306	323.129
2033	42725	27786.623	10220.090	17566.53	41.115	63.219	791.996	515.079	189.449	325.630
2034	42256	27348.299	9621.496	17726.80	41.951	64.819	779.523	504.514	177.495	327.019
2035	39748	25570.077	8757.380	16812.70	42.298	65.751	906.933	583.430	199.816	383.614
2036	34030	21717.319	6993.482	14723.84	43.267	67.798	776.269	495.402	159.531	335.871
2037	33454	21256.024	6533.345	14722.68	44.009	69.264	762.289	484.347	148.871	335.476
2038	32883	20747.175	6091.476	14655.70	44.569	70.639	747.720	471.764	138.512	333.252
2039	32325	20327.688	5734.572	14593.12	45.145	71.789	732.644	460.724	129.973	330.751

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6360041	1098877.421	526679.024	572198.4	8.997	52.071	1841.09	318.101	152.462	165.639

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164548	36137.488	35293.273	844.215	0.513	2.336	2522.12	553.899	540.959	12.940
1993	164362	35599.588	34037.346	1562.242	0.950	4.388	2474.35	535.926	512.408	23.518
1994	159866	34336.757	31953.567	2383.190	1.491	6.941	2361.75	507.267	472.059	35.208
1995	158083	33455.759	30125.464	3330.295	2.107	9.954	2290.66	484.782	436.525	48.257
1996	154875	32193.824	27859.569	4334.256	2.799	13.463	2209.26	459.239	397.412	61.827
1997	149970	30665.509	25359.700	5305.809	3.538	17.302	2104.43	430.308	355.855	74.453
1998	145407	29188.430	22974.164	6214.267	4.274	21.290	2006.83	402.844	317.078	85.766
1999	165952	33375.386	24734.348	8641.037	5.207	25.890	2254.27	453.366	335.988	117.379
2000	160260	32024.754	22355.032	9669.723	6.034	30.195	2145.10	428.655	299.225	129.430
2001	154444	30682.393	19946.339	10736.05	6.951	34.991	2040.33	405.339	263.507	141.832
2002	151887	30218.370	18232.375	11985.99	7.891	39.665	1984.06	394.736	238.165	156.570
2003	146733	29175.202	16270.673	12904.53	8.795	44.231	1896.81	377.146	210.330	166.816
2004	138381	27488.687	14113.491	13375.20	9.665	48.657	1769.58	351.518	180.480	171.038
2005	135881	27017.439	12790.009	14227.43	10.471	52.660	1717.44	341.482	161.657	179.825
2006	131922	26231.435	11280.697	14950.74	11.333	56.996	1652.16	328.517	141.277	187.240
2007	126502	25103.049	9854.831	15248.22	12.054	60.742	1568.04	311.161	122.154	189.007
2008	125859	24621.740	8906.987	15714.75	12.486	63.825	1542.60	301.777	109.169	192.609
2009	122428	23741.177	7886.404	15854.77	12.950	66.782	1482.84	287.552	95.520	192.032
2010	120537	23189.160	7098.374	16090.79	13.349	69.389	1442.22	277.458	84.932	192.526
2011	120221	22786.927	6366.101	16420.83	13.659	72.062	1424.23	269.951	75.418	194.534
2012	120927	22485.295	5775.489	16709.81	13.818	74.314	1417.09	263.495	67.680	195.814
2013	122648	22251.884	5280.859	16971.03	13.837	76.268	1420.86	257.786	61.178	196.607
2014	123229	21894.593	4811.849	17082.74	13.863	78.023	1410.92	250.685	55.094	195.591
2015	123774	21471.109	4403.787	17067.32	13.789	79.490	1594.26	276.557	56.723	219.834
2016	126218	21411.568	4048.440	17363.13	13.756	81.092	1610.55	273.213	51.658	221.554
2017	128265	21169.399	3727.756	17441.64	13.598	82.391	1621.69	267.651	47.131	220.520
2018	121429	19830.576	3232.642	16597.93	13.669	83.699	1521.05	248.404	40.493	207.911
2019	121832	19431.014	2986.576	16444.44	13.498	84.630	1511.26	241.031	37.047	203.984
2020	120811	18532.612	2700.095	15832.52	13.105	85.431	1711.27	262.513	38.247	224.266
2021	119407	18234.128	2482.193	15751.93	13.192	86.387	1679.51	256.472	34.913	221.559
2022	119438	17812.559	2295.739	15516.82	12.992	87.112	1667.10	248.626	32.044	216.582
2023	119445	17361.668	2125.869	15235.80	12.755	87.755	1653.68	240.367	29.432	210.935
2024	119305	16929.676	1994.437	14935.24	12.519	88.219	1638.05	232.443	27.383	205.060
2025	115685	15501.666	1762.414	13739.25	11.876	88.631	1848.78	247.735	28.165	219.569
2026	115073	15523.814	1702.363	13821.45	12.011	89.034	1831.46	247.072	27.094	219.978
2027	113989	15073.070	1611.691	13461.38	11.809	89.307	1805.98	238.810	25.535	213.275
2028	112855	14636.710	1519.526	13117.18	11.623	89.618	1778.98	230.725	23.953	206.772
2029	111718	14180.166	1445.953	12734.21	11.399	89.803	1751.04	222.256	22.663	199.593
2030	104851	12111.772	1203.764	10908.01	10.403	90.061	1963.54	226.816	22.543	204.273
2031	105289	12417.367	1227.921	11189.45	10.627	90.111	1966.62	231.935	22.935	208.999
2032	103879	12054.064	1180.081	10873.98	10.468	90.210	1933.67	224.381	21.967	202.414
2033	102485	11672.389	1126.140	10546.25	10.290	90.352	1899.76	216.370	20.875	195.495
2034	101070	11365.762	1097.651	10268.11	10.159	90.342	1864.51	209.673	20.249	189.423
2035	90820	8580.360	800.962	7779.398	8.566	90.665	2072.23	195.777	18.275	177.502
2036	92117	8948.841	834.968	8113.873	8.808	90.670	2101.31	204.135	19.047	185.089
2037	90327	8624.570	812.269	7812.300	8.649	90.582	2058.21	196.522	18.509	178.014
2038	88590	8315.017	782.123	7532.893	8.503	90.594	2014.42	189.073	17.784	171.288
2039	86921	8001.132	758.987	7242.145	8.332	90.514	1970.05	181.344	17.202	164.142

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	1489699	149918.462	71064.689	78853.77	5.293	52.598	431.236	43.398	20.572	22.826

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	0.000	
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.549	105.023	0.327	2.358	492.014	68.262	66.653	1.610
1993	32896	4462.473	4264.139	198.334	0.603	4.444	495.226	67.179	64.194	2.986
1994	33323	4499.513	4186.609	312.905	0.939	6.954	492.290	66.473	61.850	4.623
1995	33569	4472.774	4029.364	443.410	1.321	9.914	486.422	64.812	58.386	6.425
1996	33870	4406.878	3819.301	587.577	1.735	13.333	483.150	62.863	54.482	8.382
1997	33516	4288.158	3554.465	733.693	2.189	17.110	470.307	60.173	49.877	10.295
1998	32795	4120.148	3253.150	866.998	2.644	21.043	452.620	56.864	44.898	11.966
1999	33375	3982.443	2982.973	999.469	2.995	25.097	453.361	54.097	40.520	13.577
2000	33459	4021.411	2847.261	1174.150	3.509	29.197	447.853	53.827	38.111	15.716
2001	32275	3848.092	2556.796	1291.296	4.001	33.557	426.379	50.836	33.777	17.059
2002	31586	3783.081	2354.995	1428.086	4.521	37.749	412.601	49.418	30.763	18.655
2003	30985	3754.415	2174.744	1579.671	5.098	42.075	400.541	48.533	28.113	20.420
2004	29884	3666.274	1972.497	1693.777	5.668	46.199	382.149	46.883	25.224	21.660
2005	28708	3589.688	1787.572	1802.117	6.277	50.203	362.850	45.371	22.594	22.778
2006	28188	3596.985	1645.878	1951.106	6.922	54.243	353.021	45.048	20.613	24.435
2007	28026	3560.798	1499.900	2060.898	7.354	57.877	347.392	44.137	18.592	25.546
2008	27128	3417.001	1325.546	2091.455	7.710	61.207	332.495	41.881	16.247	25.634
2009	27068	3394.390	1212.816	2181.573	8.060	64.270	327.847	41.113	14.690	26.423
2010	26911	3340.137	1104.304	2235.833	8.308	66.938	321.990	39.965	13.213	26.752
2011	26959	3285.435	1002.229	2283.205	8.469	69.495	319.377	38.922	11.873	27.049
2012	27057	3259.209	912.016	2347.194	8.675	72.017	317.068	38.193	10.687	27.506
2013	27904	3274.703	845.153	2429.550	8.707	74.191	323.265	37.937	9.791	28.146
2014	28792	3298.083	783.817	2514.266	8.733	76.234	329.657	37.762	8.974	28.787
2015	29560	3244.406	718.568	2525.838	8.545	77.852	380.745	41.789	9.255	32.534
2016	30513	3314.836	679.238	2635.598	8.638	79.509	389.347	42.297	8.667	33.630
2017	31416	3333.314	633.607	2699.707	8.593	80.992	397.202	42.144	8.011	34.133
2018	29348	2925.242	522.064	2403.178	8.188	82.153	367.626	36.642	6.540	30.103
2019	29598	2864.628	480.293	2384.335	8.056	83.234	367.149	35.534	5.958	29.576
2020	29592	2730.366	432.197	2298.169	7.766	84.171	419.174	38.675	6.122	32.553
2021	30097	2647.911	395.063	2252.848	7.485	85.080	423.328	37.244	5.557	31.687
2022	30304	2586.165	363.595	2222.569	7.334	85.941	422.974	36.097	5.075	31.022
2023	30505	2517.960	335.173	2182.787	7.155	86.689	422.337	34.860	4.640	30.220
2024	30661	2454.161	312.326	2141.835	6.986	87.274	420.968	33.695	4.288	29.407
2025	30254	2275.364	277.741	1997.624	6.603	87.794	483.488	36.363	4.439	31.924
2026	30685	2183.166	256.587	1926.579	6.278	88.247	488.380	34.747	4.084	30.663
2027	30561	2112.345	240.468	1871.877	6.125	88.616	484.196	33.467	3.810	29.657
2028	30412	2046.677	225.785	1820.891	5.987	88.968	479.392	32.263	3.559	28.704
2029	30254	1977.671	212.844	1764.828	5.833	89.238	474.195	30.997	3.336	27.661
2030	29330	1744.457	183.837	1560.620	5.321	89.462	549.260	32.668	3.443	29.226
2031	28976	1653.738	171.657	1482.081	5.115	89.620	541.223	30.889	3.206	27.683
2032	28724	1603.120	163.141	1439.979	5.013	89.824	534.690	29.841	3.037	26.805
2033	28464	1548.245	155.476	1392.769	4.893	89.958	527.627	28.700	2.882	25.818
2034	28178	1511.985	150.717	1361.268	4.831	90.032	519.826	27.893	2.780	25.112
2035	26737	1239.866	122.130	1117.736	4.180	90.150	610.065	28.290	2.787	25.503
2036	25591	1182.522	115.649	1066.873	4.169	90.220	583.762	26.975	2.638	24.337
2037	25143	1134.483	112.064	1022.420	4.066	90.122	572.916	25.851	2.554	23.297
2038	24693	1093.537	107.804	985.733	3.992	90.142	561.491	24.866	2.451	22.414
2039	24247	1047.905	103.919	943.986	3.893	90.083	549.553	23.751	2.355	21.395

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	685183.174	330423.4	14.796	32.535	646.447	293.996	198.346	95.650

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.252	57.937	0.171	0.304	520.248	292.085	291.197	0.888
1993	35913	20095.670	19977.024	118.645	0.330	0.590	540.645	302.526	300.740	1.786
1994	35074	19524.095	19342.385	181.709	0.518	0.931	518.158	288.435	285.751	2.684
1995	34669	19116.002	18855.617	260.385	0.751	1.362	502.362	276.995	273.222	3.773
1996	34582	18975.021	18619.162	355.860	1.029	1.875	493.306	270.675	265.599	5.076
1997	35267	19169.025	18696.125	472.900	1.341	2.467	494.878	268.986	262.350	6.636
1998	35675	19228.937	18619.792	609.145	1.707	3.168	492.368	265.388	256.981	8.407
1999	38516	20589.820	19789.043	800.778	2.079	3.889	523.195	279.689	268.811	10.878
2000	36283	19196.417	18290.016	906.401	2.498	4.722	485.652	256.946	244.814	12.132
2001	36281	19012.731	17915.048	1097.683	3.026	5.773	479.301	251.174	236.672	14.501
2002	35983	18699.357	17414.867	1284.490	3.570	6.869	470.038	244.265	227.486	16.779
2003	36205	18663.550	17164.070	1499.480	4.142	8.034	468.019	241.262	221.879	19.384
2004	34611	17679.164	16017.264	1661.900	4.802	9.400	442.596	226.076	204.824	21.252
2005	36826	18692.832	16684.551	2008.281	5.453	10.744	465.456	236.265	210.881	25.383
2006	34350	17308.564	15176.502	2132.061	6.207	12.318	430.192	216.769	190.067	26.702
2007	35326	17683.181	15216.222	2466.960	6.983	13.951	437.879	219.189	188.611	30.579
2008	38248	19006.374	16062.732	2943.642	7.696	15.488	468.878	232.952	196.874	36.079
2009	36902	18205.573	15040.579	3164.993	8.577	17.385	446.956	220.505	182.171	38.334
2010	37234	18237.758	14768.628	3469.130	9.317	19.022	445.505	218.215	176.707	41.508
2011	38093	18487.916	14574.610	3913.306	10.273	21.167	451.279	219.022	172.662	46.360
2012	38504	18491.158	14204.881	4286.277	11.132	23.180	451.211	216.689	166.460	50.229
2013	40290	19143.452	14339.118	4804.334	11.924	25.096	466.755	221.775	166.117	55.658
2014	40339	18992.005	13829.338	5162.667	12.798	27.183	461.866	217.451	158.341	59.111
2015	42303	19728.885	14039.599	5689.286	13.449	28.837	544.880	254.116	180.836	73.280
2016	43104	19876.724	13744.419	6132.305	14.227	30.852	550.009	253.628	175.379	78.248
2017	44107	20119.790	13499.431	6620.359	15.010	32.905	557.659	254.381	170.678	83.703
2018	45469	20535.123	13362.715	7172.408	15.774	34.928	569.564	257.229	167.385	89.844
2019	46963	21009.029	13255.514	7753.515	16.510	36.906	582.552	260.605	164.427	96.178
2020	48419	21428.512	13116.335	8312.177	17.167	38.790	685.853	303.533	185.792	117.741
2021	48463	21266.697	12529.461	8737.236	18.029	41.084	681.652	299.127	176.233	122.894
2022	49915	21663.568	12295.634	9367.934	18.768	43.243	696.712	302.378	171.621	130.757
2023	51391	22084.131	12071.961	10012.17	19.482	45.336	711.491	305.748	167.132	138.615
2024	52811	22418.456	11828.424	10590.03	20.053	47.238	725.093	307.804	162.403	145.400
2025	53848	22614.834	11521.072	11093.76	20.602	49.055	860.553	361.411	184.120	177.291
2026	54342	22571.522	11037.033	11534.49	21.226	51.102	864.886	359.241	175.662	183.579
2027	55267	22774.416	10670.770	12103.65	21.900	53.146	875.619	360.827	169.062	191.764
2028	56149	22915.561	10253.424	12662.14	22.551	55.256	885.102	361.228	161.629	199.599
2029	57014	22992.027	9832.831	13159.20	23.081	57.234	893.616	360.371	154.117	206.254
2030	57238	22895.360	9403.991	13491.37	23.571	58.926	1071.90	428.760	176.108	252.652
2031	57592	22715.871	8951.618	13764.25	23.900	60.593	1075.71	424.293	167.201	257.092
2032	58251	22759.207	8547.127	14212.08	24.398	62.445	1084.31	423.652	159.101	264.551
2033	58885	22786.258	8170.702	14615.56	24.821	64.142	1091.54	422.387	151.460	270.928
2034	59460	22806.106	7792.488	15013.62	25.250	65.832	1096.89	420.721	143.754	276.967
2035	58516	22262.998	7347.858	14915.14	25.489	66.995	1335.15	507.973	167.655	340.317
2036	56446	21140.051	6541.213	14598.84	25.864	69.058	1287.60	482.234	149.214	333.020
2037	56568	21011.845	6143.827	14868.02	26.283	70.760	1288.98	478.783	139.995	338.788
2038	56668	20787.483	5752.445	15035.04	26.532	72.327	1288.55	472.681	130.803	341.877
2039	56758	20709.267	5421.569	15287.70	26.935	73.821	1286.40	469.372	122.879	346.493

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13288580	4509390.583	3042822.914	1466568	11.036	32.523	3815.31	1305.37	873.630	431.741

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	6.614
1992	308580	122014.015	120878.823	1135.192	0.368	0.930	4729.74	1870.18	17.412
1993	311723	122810.618	120681.283	2129.335	0.683	1.734	4692.65	1848.83	32.100
1994	305723	119925.592	116656.235	3269.357	1.069	2.726	4516.28	1771.69	48.398
1995	303268	117896.496	113296.330	4600.166	1.517	3.902	4393.95	1708.35	66.832
1996	299629	115698.645	109635.674	6062.971	2.023	5.240	4273.40	1650.42	86.761
1997	294330	113359.847	105828.467	7531.379	2.559	6.644	4129.04	1590.70	106.076
1998	289404	111444.212	102444.567	8999.645	3.110	8.075	3992.71	1538.10	124.739
1999	311217	114877.722	102848.057	12029.66	3.865	10.472	4225.39	1560.48	164.116
2000	304070	112379.704	98673.142	13706.56	4.508	12.197	4067.25	1504.22	184.360
2001	296652	110024.943	94527.012	15497.93	5.224	14.086	3915.59	1453.52	205.830
2002	292343	108289.173	90781.340	17507.83	5.989	16.168	3814.64	1414.56	229.996
2003	286402	106539.023	87262.191	19276.83	6.731	18.094	3697.34	1377.22	250.699
2004	274800	103037.251	82476.040	20561.21	7.482	19.955	3508.42	1317.61	264.627
2005	273115	103044.562	80627.594	22416.97	8.208	21.755	3445.44	1302.41	285.268
2006	264954	99672.555	75674.042	23998.51	9.058	24.077	3310.91	1248.28	302.644
2007	259368	97839.152	72526.340	25312.81	9.759	25.872	3206.79	1212.75	316.044
2008	260553	98075.852	71096.236	26979.62	10.355	27.509	3184.25	1202.07	333.193
2009	255122	95617.338	67486.736	28130.60	11.026	29.420	3079.97	1158.11	343.378
2010	253234	94607.988	65187.927	29420.06	11.618	31.097	3018.93	1131.98	354.846
2011	253294	93633.119	62621.365	31011.75	12.243	33.120	2988.64	1109.25	370.372
2012	254332	92775.175	60211.448	32563.73	12.804	35.100	2967.22	1087.19	384.719
2013	258069	92345.780	58192.066	34153.71	13.234	36.985	2975.24	1069.82	398.928
2014	259487	91379.215	55912.258	35466.96	13.668	38.813	2955.38	1046.26	409.454
2015	262105	90750.242	54110.436	36639.81	13.979	40.374	3354.33	1168.90	476.414
2016	263998	88811.996	50949.745	37862.25	14.342	42.632	3345.27	1133.24	487.633
2017	266474	87325.126	48398.216	38926.91	14.608	44.577	3344.00	1104.08	496.728
2018	261662	87612.144	47763.621	39848.52	15.229	45.483	3251.49	1097.46	503.932
2019	264649	87797.760	46548.486	41249.27	15.586	46.982	3254.86	1089.08	516.592
2020	265775	87221.042	45191.986	42029.06	15.814	48.187	3726.15	1235.48	601.890
2021	258699	82001.292	40433.704	41567.59	16.068	50.691	3599.21	1153.39	590.846
2022	260984	81915.977	39058.803	42857.17	16.421	52.318	3601.00	1143.37	604.450
2023	263247	81810.810	37725.833	44084.98	16.747	53.886	3600.50	1132.64	616.658
2024	265172	81528.303	36412.359	45115.94	17.014	55.338	3594.50	1119.38	625.796
2025	262032	79599.213	34794.928	44804.28	17.099	56.287	4124.68	1272.09	724.377
2026	256389	75082.462	31132.492	43949.97	17.142	58.536	4016.34	1194.99	707.297
2027	256101	74444.425	29740.309	44704.12	17.456	60.050	3990.78	1179.46	716.022
2028	255652	73699.585	28260.416	45439.17	17.774	61.655	3960.81	1161.76	723.921
2029	255149	72819.703	26848.959	45970.74	18.017	63.130	3927.71	1141.36	728.049
2030	246345	69309.277	25132.345	44176.93	17.933	63.739	4517.91	1297.95	837.027
2031	241362	65433.368	22487.142	42946.23	17.793	65.634	4411.35	1222.18	811.186
2032	240164	64643.552	21321.985	43321.57	18.038	67.016	4370.97	1203.31	815.250
2033	238931	63793.514	20230.264	43563.25	18.233	68.288	4326.96	1182.54	816.173
2034	237556	63032.151	19214.339	43817.81	18.445	69.517	4278.00	1162.80	816.781
2035	222422	57653.301	17563.728	40089.57	18.024	69.536	4938.67	1315.47	925.484
2036	214709	52988.733	14952.968	38035.76	17.715	71.781	4762.03	1208.75	877.104
2037	212154	52026.921	14055.757	37971.16	17.898	72.984	4696.32	1185.50	874.359
2038	209629	50943.211	13173.639	37769.57	18.017	74.141	4626.98	1158.38	867.612
2039	207174	50085.991	12446.960	37639.03	18.168	75.149	4554.32	1135.19	861.569

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3095137	2244988.113	1752308.317	492679.8	15.918	21.946	888.650	649.875	503.108	146.767

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77988	62366.766	62238.212	128.554	0.165	0.206	1195.35	955.930	953.953	1.977
1993	78545	62652.888	62400.863	252.025	0.321	0.402	1182.40	943.195	939.378	3.817
1994	77443	61565.227	61169.347	395.880	0.511	0.643	1144.02	909.520	903.620	5.900
1995	76915	60851.961	60278.164	573.798	0.746	0.943	1114.40	881.759	873.351	8.408
1996	76250	60122.922	59325.561	797.360	1.046	1.326	1087.51	857.643	846.120	11.523
1997	75501	59237.155	58200.775	1036.380	1.373	1.750	1059.17	831.234	816.475	14.759
1998	75421	58906.696	57574.066	1332.630	1.767	2.262	1040.53	813.001	794.310	18.691
1999	73212	56930.073	55307.773	1622.299	2.216	2.850	993.995	773.329	750.912	22.417
2000	73856	57137.121	55138.860	1998.261	2.706	3.497	987.898	764.787	737.540	27.247
2001	73386	56481.726	54058.514	2423.212	3.302	4.290	968.644	746.169	713.533	32.636
2002	72557	55588.365	52719.587	2868.779	3.954	5.161	946.758	726.138	687.912	38.226
2003	72082	54945.856	51583.950	3361.907	4.664	6.119	930.555	710.281	665.930	44.351
2004	71469	54203.126	50297.977	3905.149	5.464	7.205	912.456	693.135	642.163	50.972
2005	71162	53744.603	49279.176	4465.427	6.275	8.309	897.738	679.296	621.675	57.621
2006	69886	52535.572	47480.308	5055.263	7.234	9.623	873.305	657.945	593.321	64.623
2007	68825	51492.124	45856.294	5635.830	8.189	10.945	850.942	638.264	566.962	71.301
2008	68522	51030.736	44688.736	6342.000	9.255	12.428	837.415	625.460	546.147	79.313
2009	67842	50276.199	43229.649	7046.549	10.387	14.016	819.019	608.943	521.891	87.052
2010	67569	49840.933	42090.970	7749.963	11.470	15.549	805.520	596.347	501.788	94.559
2011	66918	49072.841	40544.312	8528.529	12.745	17.379	789.576	581.354	478.387	102.967
2012	66609	48539.512	39177.141	9362.371	14.056	19.288	777.113	568.812	457.069	111.743
2013	65829	47675.741	37572.918	10102.82	15.347	21.191	758.931	552.318	433.173	119.145
2014	65577	47194.534	36326.224	10868.31	16.573	23.029	746.875	540.359	413.731	126.628
2015	64732	46305.842	34773.944	11531.90	17.815	24.904	828.422	596.439	445.025	151.414
2016	62233	44208.867	32294.179	11914.69	19.145	26.951	788.584	564.107	409.217	154.890
2017	60546	42702.624	30344.621	12358.00	20.411	28.940	759.790	539.903	380.796	159.107
2018	63198	44321.202	30446.697	13874.51	21.954	31.304	785.310	555.181	378.339	176.841
2019	63838	44493.088	29615.797	14877.29	23.305	33.437	785.130	551.912	364.239	187.673
2020	64326	44529.551	28722.425	15807.13	24.574	35.498	901.845	630.757	402.687	228.071
2021	57943	39852.556	24802.720	15049.84	25.974	37.764	806.140	560.546	345.074	215.472
2022	58329	39853.685	23871.684	15982.00	27.400	40.102	804.808	556.274	329.376	226.898
2023	58688	39847.050	22952.733	16894.32	28.787	42.398	802.689	551.670	313.931	237.739
2024	58954	39726.010	22029.057	17696.95	30.018	44.548	799.136	545.435	298.611	246.824
2025	58593	39207.348	20978.973	18228.38	31.110	46.492	922.316	626.579	330.232	296.346
2026	52441	34803.960	17878.128	16925.83	32.276	48.632	821.496	553.929	280.061	273.867
2027	52235	34484.595	16954.696	17529.90	33.560	50.834	813.964	546.357	264.202	282.154
2028	51982	34100.638	15996.212	18104.43	34.828	53.091	805.354	537.544	247.829	289.714
2029	51701	33669.838	15089.925	18579.91	35.937	55.183	795.870	527.732	232.291	295.441
2030	50310	32557.688	14072.851	18484.84	36.742	56.776	922.675	609.705	258.093	351.612
2031	44696	28646.393	11867.871	16778.52	37.539	58.571	816.902	535.065	216.908	318.157
2032	44312	28227.160	11163.910	17063.25	38.507	60.450	806.468	525.435	203.182	322.253
2033	43912	27786.623	10510.525	17276.10	39.343	62.174	795.225	515.079	190.342	324.737
2034	43478	27348.299	9906.632	17441.67	40.116	63.776	782.967	504.514	178.402	326.112
2035	40974	25570.077	9032.458	16537.62	40.362	64.676	909.781	583.430	200.557	382.873
2036	35100	21717.319	7218.235	14499.08	41.308	66.763	778.474	495.402	160.093	335.309
2037	34541	21256.024	6750.437	14505.59	41.995	68.242	764.621	484.347	149.430	334.917
2038	33988	20747.175	6300.712	14446.46	42.505	69.631	750.182	471.764	139.071	332.693
2039	33445	20327.688	5937.500	14390.19	43.026	70.791	735.232	460.724	130.524	330.200

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6421809	1098877.421	527999.485	570877.9	8.890	51.951	1843.78	318.101	151.595	166.506

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000	
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164549	36137.488	35293.604	843.884	0.513	2.335	2522.12	553.899	540.961	12.938
1993	164367	35599.588	34038.498	1561.090	0.950	4.385	2474.37	535.926	512.413	23.514
1994	159878	34336.757	31956.133	2380.624	1.489	6.933	2361.79	507.267	472.070	35.197
1995	158105	33455.759	30130.001	3325.757	2.104	9.941	2290.74	484.782	436.544	48.238
1996	154911	32193.824	27866.503	4327.321	2.793	13.441	2209.39	459.239	397.441	61.798
1997	150023	30665.509	25369.325	5296.184	3.530	17.271	2104.61	430.308	355.896	74.412
1998	145480	29188.430	22986.624	6201.807	4.263	21.247	2007.09	402.844	317.131	85.713
1999	166067	33375.386	24752.656	8622.730	5.192	25.836	2254.68	453.366	336.066	117.300
2000	160409	32024.754	22377.403	9647.351	6.014	30.125	2145.64	428.655	299.321	129.334
2001	154630	30682.393	19972.121	10710.27	6.926	34.907	2041.00	405.339	263.618	141.722
2002	152117	30218.370	18261.991	11956.38	7.860	39.567	1984.90	394.736	238.292	156.444
2003	147007	29175.202	16303.140	12872.06	8.756	44.120	1897.81	377.146	210.467	166.678
2004	138693	27488.687	14147.419	13341.27	9.619	48.534	1770.72	351.518	180.622	170.895
2005	136245	27017.439	12826.320	14191.12	10.416	52.526	1718.78	341.482	161.809	179.674
2006	132336	26231.435	11317.947	14913.49	11.269	56.853	1653.69	328.517	141.431	187.086
2007	126962	25103.049	9892.300	15210.75	11.981	60.593	1569.74	311.161	122.307	188.854
2008	126383	24621.740	8945.627	15676.11	12.404	63.668	1544.55	301.777	109.326	192.452
2009	123008	23741.177	7925.125	15816.05	12.858	66.619	1485.01	287.552	95.676	191.876
2010	121177	23189.160	7137.343	16051.82	13.247	69.221	1444.62	277.458	85.088	192.370
2011	120933	22786.927	6404.883	16382.04	13.546	71.892	1426.91	269.951	75.572	194.379
2012	121724	22485.295	5814.373	16670.92	13.696	74.141	1420.12	263.495	67.835	195.660
2013	123541	22251.884	5319.912	16931.97	13.706	76.092	1424.29	257.786	61.333	196.453
2014	124216	21894.593	4850.767	17043.83	13.721	77.845	1414.73	250.685	55.247	195.438
2015	124863	21471.109	4442.711	17028.40	13.638	79.308	1597.96	276.557	56.856	219.701
2016	127427	21411.568	4087.182	17324.39	13.595	80.911	1614.70	273.213	51.791	221.422
2017	129601	21169.399	3766.232	17403.17	13.428	82.209	1626.37	267.651	47.263	220.389
2018	122781	19830.576	3267.931	16562.65	13.490	83.521	1525.71	248.404	40.608	207.796
2019	123293	19431.014	3021.372	16409.64	13.309	84.451	1516.35	241.031	37.159	203.872
2020	122383	18532.612	2734.257	15798.36	12.909	85.246	1715.81	262.513	38.334	224.179
2021	121057	18234.128	2514.960	15719.17	12.985	86.207	1684.23	256.472	34.990	221.482
2022	121195	17812.559	2327.610	15484.95	12.777	86.933	1672.22	248.626	32.116	216.510
2023	121313	17361.668	2156.880	15204.79	12.534	87.577	1659.23	240.367	29.500	210.867
2024	121284	16929.676	2024.935	14904.74	12.289	88.039	1644.05	232.443	27.449	204.995
2025	117763	15501.666	1792.014	13709.65	11.642	88.440	1853.72	247.735	28.208	219.526
2026	117232	15523.814	1731.520	13792.29	11.765	88.846	1836.44	247.072	27.124	219.948
2027	116240	15073.070	1640.389	13432.68	11.556	89.117	1811.35	238.810	25.562	213.248
2028	115197	14636.710	1547.722	13088.99	11.362	89.426	1784.75	230.725	23.979	206.746
2029	114152	14180.166	1473.729	12706.44	11.131	89.607	1757.24	222.256	22.686	199.570
2030	107330	12111.772	1229.836	10881.94	10.139	89.846	1968.41	226.816	22.555	204.261
2031	107860	12417.367	1254.706	11162.66	10.349	89.896	1971.35	231.935	22.932	209.003
2032	106525	12054.064	1206.605	10847.46	10.183	89.990	1938.75	224.381	21.960	202.420
2033	105204	11672.389	1152.375	10520.01	10.000	90.127	1905.22	216.370	20.869	195.501
2034	103859	11365.762	1124.044	10241.72	9.861	90.110	1870.32	209.673	20.242	189.430
2035	93540	8580.360	823.353	7757.007	8.293	90.404	2076.96	195.777	18.282	177.496
2036	94931	8948.841	858.378	8090.463	8.523	90.408	2105.47	204.135	19.038	185.097
2037	93177	8624.570	835.665	7788.904	8.359	90.311	2062.60	196.522	18.499	178.024
2038	91475	8315.017	805.311	7509.706	8.210	90.315	2019.05	189.073	17.775	171.298
2039	89838	8001.132	782.018	7219.113	8.036	90.226	1974.91	181.344	17.191	164.153

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1506444	149918.462	71259.986	78658.48	5.221	52.468	432.518	43.398	20.460	22.939

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.590	104.982	0.327	2.357	492.015	68.262	66.653	1.610
1993	32897	4462.473	4264.283	198.191	0.602	4.441	495.229	67.179	64.194	2.985
1994	33325	4499.513	4186.942	312.572	0.938	6.947	492.297	66.473	61.851	4.621
1995	33574	4472.774	4029.965	442.809	1.319	9.900	486.436	64.812	58.389	6.423
1996	33877	4406.878	3820.245	586.633	1.732	13.312	483.172	62.863	54.486	8.378
1997	33527	4288.158	3555.804	732.354	2.184	17.079	470.341	60.173	49.883	10.290
1998	32811	4120.148	3254.900	865.248	2.637	21.000	452.668	56.864	44.906	11.959
1999	33397	3982.443	2985.151	997.292	2.986	25.042	453.430	54.097	40.529	13.568
2000	33489	4021.411	2850.074	1171.337	3.498	29.128	447.949	53.827	38.123	15.704
2001	32312	3848.092	2560.045	1288.047	3.986	33.472	426.497	50.836	33.791	17.046
2002	31632	3783.081	2358.763	1424.318	4.503	37.650	412.752	49.418	30.778	18.639
2003	31041	3754.415	2178.970	1575.445	5.075	41.962	400.723	48.533	28.130	20.403
2004	29949	3666.274	1977.112	1689.162	5.640	46.073	382.367	46.883	25.242	21.641
2005	28783	3589.688	1792.499	1797.189	6.244	50.065	363.105	45.371	22.613	22.758
2006	28274	3596.985	1651.144	1945.841	6.882	54.096	353.319	45.048	20.633	24.415
2007	28125	3560.798	1505.404	2055.394	7.308	57.723	347.739	44.137	18.613	25.525
2008	27238	3417.001	1331.075	2085.926	7.658	61.046	332.884	41.881	16.267	25.613
2009	27193	3394.390	1218.520	2175.870	8.001	64.102	328.292	41.113	14.711	26.402
2010	27051	3340.137	1110.113	2230.024	8.244	66.764	322.494	39.965	13.234	26.731
2011	27117	3285.435	1008.108	2277.327	8.398	69.316	319.954	38.922	11.895	27.027
2012	27233	3259.209	917.874	2341.336	8.597	71.838	317.718	38.193	10.709	27.485
2013	28105	3274.703	851.126	2423.576	8.623	74.009	324.021	37.937	9.813	28.125
2014	29020	3298.083	789.832	2508.251	8.643	76.052	330.519	37.762	8.996	28.766
2015	29819	3244.406	724.641	2519.765	8.450	77.665	381.612	41.789	9.274	32.516
2016	30804	3314.836	685.423	2629.413	8.536	79.323	390.330	42.297	8.685	33.612
2017	31741	3333.314	639.823	2693.491	8.486	80.805	398.322	42.144	8.029	34.115
2018	29680	2925.242	527.657	2397.585	8.078	81.962	368.816	36.642	6.557	30.086
2019	29959	2864.628	485.787	2378.841	7.940	83.042	368.463	35.534	5.975	29.559
2020	29984	2730.366	437.574	2292.792	7.647	83.974	420.376	38.675	6.135	32.541
2021	30525	2647.911	400.292	2247.619	7.363	84.883	424.692	37.244	5.569	31.675
2022	30764	2586.165	368.672	2217.493	7.208	85.744	424.469	36.097	5.087	31.011
2023	30998	2517.960	340.105	2177.855	7.026	86.493	423.971	34.860	4.652	30.209
2024	31187	2454.161	317.157	2137.003	6.852	87.077	422.751	33.695	4.299	29.396
2025	30812	2275.364	282.425	1992.940	6.468	87.588	485.011	36.363	4.446	31.917
2026	31286	2183.166	261.118	1922.048	6.144	88.039	490.089	34.747	4.090	30.656
2027	31192	2112.345	244.897	1867.447	5.987	88.406	486.053	33.467	3.816	29.651
2028	31072	2046.677	230.128	1816.548	5.846	88.756	481.405	32.263	3.565	28.697
2029	30946	1977.671	217.088	1760.584	5.689	89.023	476.371	30.997	3.342	27.656
2030	30046	1744.457	187.870	1556.587	5.181	89.230	551.039	32.668	3.445	29.223
2031	29718	1653.738	175.542	1478.196	4.974	89.385	543.144	30.889	3.208	27.681
2032	29493	1603.120	166.950	1436.170	4.870	89.586	536.769	29.841	3.038	26.803
2033	29259	1548.245	159.233	1389.012	4.747	89.715	529.867	28.700	2.884	25.816
2034	28999	1511.985	154.479	1357.506	4.681	89.783	522.230	27.893	2.782	25.111
2035	27565	1239.866	125.520	1114.346	4.043	89.876	612.064	28.290	2.787	25.503
2036	26413	1182.522	118.931	1063.591	4.027	89.943	585.808	26.975	2.638	24.337
2037	25979	1134.483	115.330	1019.153	3.923	89.834	575.081	25.851	2.553	23.298
2038	25542	1093.537	111.033	982.504	3.847	89.846	563.778	24.866	2.451	22.415
2039	25108	1047.905	107.099	940.806	3.747	89.780	551.958	23.751	2.354	21.396

Results for PHIM for Run 1 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2265190	1015606.587	691255.126	324351.5	14.319	31.937	650.362	293.996	198.467	95.529

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.417	57.772	0.170	0.303	520.249	292.085	291.197	0.887
1993	35914	20095.670	19977.640	118.029	0.329	0.587	540.648	302.526	300.742	1.784
1994	35077	19524.095	19343.813	180.281	0.514	0.923	518.166	288.435	285.755	2.680
1995	34674	19116.002	18858.200	257.802	0.744	1.349	502.376	276.995	273.230	3.765
1996	34590	18975.021	18623.365	351.656	1.017	1.853	493.330	270.675	265.612	5.063
1997	35279	19169.025	18702.564	466.461	1.322	2.433	494.916	268.986	262.371	6.615
1998	35692	19228.937	18628.977	599.961	1.681	3.120	492.425	265.388	257.011	8.377
1999	38542	20589.820	19802.477	787.343	2.043	3.824	523.284	279.689	268.858	10.831
2000	36316	19196.417	18306.805	889.613	2.450	4.634	485.766	256.946	244.873	12.074
2001	36324	19012.731	17936.332	1076.400	2.963	5.661	479.448	251.174	236.747	14.427
2002	36037	18699.357	17441.000	1258.357	3.492	6.729	470.224	244.265	227.579	16.686
2003	36272	18663.550	17196.132	1467.418	4.046	7.862	468.259	241.262	221.996	19.267
2004	34689	17679.164	16053.533	1625.631	4.686	9.195	442.877	226.076	204.958	21.118
2005	36925	18692.832	16729.599	1963.233	5.317	10.503	465.818	236.265	211.050	25.215
2006	34458	17308.564	15224.642	2083.922	6.048	12.040	430.596	216.769	190.250	26.519
2007	35456	17683.181	15272.342	2410.839	6.800	13.634	438.369	219.189	188.826	30.364
2008	38409	19006.374	16130.799	2875.575	7.487	15.130	469.407	232.952	197.137	35.816
2009	37080	18205.573	15113.441	3092.131	8.339	16.985	447.649	220.505	182.457	38.048
2010	37437	18237.758	14849.501	3388.257	9.051	18.578	446.303	218.215	177.028	41.186
2011	38325	18487.916	14664.062	3823.854	9.977	20.683	452.207	219.022	173.023	45.999
2012	38766	18491.158	14302.060	4189.098	10.806	22.655	452.267	216.689	166.858	49.831
2013	40594	19143.452	14448.110	4695.342	11.567	24.527	468.000	221.775	166.570	55.205
2014	40674	18992.005	13945.435	5046.570	12.407	26.572	463.254	217.451	158.829	58.622
2015	42690	19728.885	14169.141	5559.744	13.023	28.181	546.338	254.116	181.332	72.784
2016	43535	19876.724	13882.961	5993.763	13.768	30.155	551.651	253.628	175.919	77.709
2017	44587	20119.790	13647.541	6472.249	14.516	32.169	559.521	254.381	171.264	83.117
2018	46004	20535.123	13521.336	7013.787	15.246	34.155	571.653	257.229	168.020	89.209
2019	47559	21009.029	13425.529	7583.500	15.946	36.096	584.913	260.605	165.118	95.487
2020	49081	21428.512	13297.730	8130.781	16.566	37.944	688.119	303.533	186.433	117.100
2021	49174	21266.697	12715.733	8550.964	17.389	40.208	684.151	299.127	176.911	122.216
2022	50697	21663.568	12490.837	9172.731	18.093	42.342	699.506	302.378	172.346	130.032
2023	52248	22084.131	12276.115	9808.016	18.772	44.412	714.608	305.748	167.904	137.844
2024	53747	22418.456	12041.210	10377.25	19.308	46.289	728.560	307.804	163.223	144.581
2025	54865	22614.834	11741.517	10873.32	19.818	48.080	863.634	361.411	184.825	176.587
2026	55431	22571.522	11261.725	11309.80	20.404	50.106	868.322	359.241	176.415	182.826
2027	56435	22774.416	10900.327	11874.09	21.040	52.138	879.422	360.827	169.858	190.968
2028	57400	22915.561	10486.354	12429.21	21.654	54.239	889.298	361.228	162.465	198.763
2029	58350	22992.027	10068.218	12923.81	22.149	56.210	898.233	360.371	154.988	205.383
2030	58659	22895.360	9641.788	13253.57	22.594	57.888	1075.79	428.760	176.828	251.931
2031	59089	22715.871	9189.024	13526.85	22.892	59.548	1079.95	424.293	167.947	256.346
2032	59834	22759.207	8784.520	13974.69	23.356	61.402	1088.98	423.652	159.878	263.774
2033	60556	22786.258	8408.131	14378.13	23.743	63.100	1096.65	422.387	152.269	270.119
2034	61220	22806.106	8029.184	14776.92	24.137	64.794	1102.48	420.721	144.592	276.128
2035	60343	22262.998	7582.398	14680.60	24.329	65.942	1339.86	507.973	168.360	339.613
2036	58266	21140.051	6757.424	14382.63	24.684	68.035	1292.28	482.234	149.873	332.361
2037	58457	21011.845	6354.325	14657.52	25.074	69.758	1294.02	478.783	140.662	338.121
2038	58625	20787.483	5956.583	14830.90	25.298	71.345	1293.97	472.681	131.475	341.206
2039	58782	20709.267	5620.343	15088.92	25.669	72.861	1292.22	469.372	123.552	345.820

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Control File Details for Run: 2

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S3A
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_3
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 2, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 2, Scenario: Ecig

Variable Parameter

1. Country
 2. Sex
 3. Assumption Set
- Note:

Value

US (United States)
 F (Females)
 S3A
 Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.001258	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000381	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.000688	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.000575	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000496	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000417	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.000862	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.001168	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.001116	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.002317	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.001752	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.002164	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.002164	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.002041	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.000631	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.000476	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000367	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000377	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.000767	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.001499	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.001580	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.001482	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.001816	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.002261	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.002604	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.002604	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.001686	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.001940	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.000977	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.000669	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.000753	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.001040	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.001904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.002436	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.002280	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.003596	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.003517	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.004103	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.004103	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.001998	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.001403	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.000787	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.000646	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.000610	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.000828	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.000997	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.001077	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.001036	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.002524	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.001840	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.003072	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.003072	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.002885	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.001631	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.001001	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.001620	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.000885	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.001087	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.001037	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.001716	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.001453	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.003569	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.002481	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.003134	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.003134	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.004371	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.004720	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.001415	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.001328	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.002307	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.001304	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.001558	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.001066	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.001749	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.001471	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.002688	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.000894	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.002039	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.002039	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 2, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 2, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		F (Females)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	10659	11.63	0	0.00			
5	All Ages	Ecig	12043	13.14					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18050	19.70			14.44	892	4.94
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	233	7.34	0	0.00			
5	18-19	Ecig	452	14.23					
5	18-19	Dual	0	0.00					
5	18-19	Former	57	1.79			1.26	32	56.14
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	862	10.32	0	0.00			
5	20-24	Ecig	1307	15.65					
5	20-24	Dual	0	0.00					
5	20-24	Former	387	4.63			3.52	73	18.86
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1414	16.08					
5	25-29	Dual	0	0.00					
5	25-29	Former	1004	11.42			6.03	41	4.08
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

5	30-34	Never Any	5304	52.63					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1823	18.09					
5	30-34	Dual	0	0.00					
5	30-34	Former	1578	15.66			8.25	55	3.49
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1772	16.88					
5	35-39	Dual	0	0.00					
5	35-39	Former	2039	19.42			8.85	43	2.11
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1376	14.33					
5	40-44	Dual	0	0.00					
5	40-44	Former	2071	21.57			12.19	67	3.24
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1199	14.11					
5	45-49	Dual	0	0.00					
5	45-49	Former	1968	23.16			11.12	109	5.54
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	866	13.25					
5	50-54	Dual	0	0.00					
5	50-54	Former	1815	27.77			15.23	108	5.95
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	652	11.78					
5	55-59	Dual	0	0.00					
5	55-59	Former	1476	26.67			16.10	73	4.95
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	468	8.89					
5	60-64	Dual	0	0.00					
5	60-64	Former	1431	27.18			19.52	73	5.10
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	397	7.19					
5	65-69	Dual	0	0.00					
5	65-69	Former	1447	26.19			19.63	91	6.29
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	207	3.90					
5	70-74	Dual	0	0.00					
5	70-74	Former	1477	27.85			22.59	64	4.33
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	110	2.45					
5	75-79	Dual	0	0.00					
5	75-79	Former	1300	28.99			26.04	63	4.85
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	4595	5.00	0	0.00			
10	All Ages	Ecig	17179	18.69					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	19711	21.45			16.07	1177	5.97
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	370	4.67	0	0.00			
10	20-24	Ecig	1988	25.07					
10	20-24	Dual	0	0.00					
10	20-24	Former	444	5.60			3.64	108	24.32
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	400	4.79	0	0.00			
10	25-29	Ecig	1865	22.34					
10	25-29	Dual	0	0.00					
10	25-29	Former	592	7.09			6.22	85	14.36
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1998	22.72					
10	30-34	Dual	0	0.00					
10	30-34	Former	1164	13.24			9.79	59	5.07
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2514	24.95					
10	35-39	Dual	0	0.00					
10	35-39	Former	1719	17.06			12.32	60	3.49
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2403	22.89					
10	40-44	Dual	0	0.00					
10	40-44	Former	2234	21.28			12.79	93	4.16
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1816	18.92					
10	45-49	Dual	0	0.00					
10	45-49	Former	2320	24.17			15.53	120	5.17
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1482	17.44					
10	50-54	Dual	0	0.00					
10	50-54	Former	2281	26.84			14.18	116	5.09
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	1057	16.17					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2080	31.82			17.89	112	5.38
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		795	14.37					
10	60-64	Dual		0	0.00					
10	60-64	Former		1721	31.10			18.36	103	5.98
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		535	10.16					
10	65-69	Dual		0	0.00					
10	65-69	Former		1717	32.62			20.75	114	6.64
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		459	8.31					
10	70-74	Dual		0	0.00					
10	70-74	Former		1713	31.01			21.11	118	6.89
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		267	5.03					
10	75-79	Dual		0	0.00					
10	75-79	Former		1726	32.55			23.91	89	5.16
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		1890	2.18	0	0.00			
15	All Ages	Ecig		18014	20.80					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		19699	22.75			18.74	594	3.02
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		166	2.09	0	0.00			
15	25-29	Ecig		2286	28.83					
15	25-29	Dual		0	0.00					
15	25-29	Former		618	7.79			6.87	59	9.55
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		149	1.78	0	0.00			
15	30-34	Ecig		2075	24.85					
15	30-34	Dual		0	0.00					
15	30-34	Former		719	8.61			9.63	41	5.70
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	2178	24.77					
15	35-39	Dual	0	0.00					
15	35-39	Former	1259	14.32			13.84	33	2.62
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2697	26.76					
15	40-44	Dual	0	0.00					
15	40-44	Former	1859	18.45			16.17	62	3.34
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2562	24.40					
15	45-49	Dual	0	0.00					
15	45-49	Former	2422	23.07			16.55	84	3.47
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1870	19.48					
15	50-54	Dual	0	0.00					
15	50-54	Former	2521	26.26			19.08	61	2.42
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1537	18.09					
15	55-59	Dual	0	0.00					
15	55-59	Former	2438	28.69			18.10	50	2.05
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	1071	16.39					
15	60-64	Dual	0	0.00					
15	60-64	Former	2218	33.94			21.60	57	2.57
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	782	14.13					
15	65-69	Dual	0	0.00					
15	65-69	Former	1908	34.48			21.31	53	2.78
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	528	10.03					
15	70-74	Dual	0	0.00					
15	70-74	Former	1865	35.43			23.88	56	3.00
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	428	7.75					
15	75-79	Dual	0	0.00					
15	75-79	Former	1872	33.89			24.10	38	2.03
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	765	0.94	0	0.00			
20	All Ages	Ecig	16977	20.94					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	19580	24.15			21.27	746	3.81
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	65	0.82	0	0.00			
20	30-34	Ecig	2332	29.41					
20	30-34	Dual	0	0.00					
20	30-34	Former	790	9.96			9.66	77	9.75
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	58	0.69	0	0.00			
20	35-39	Ecig	2074	24.84					
20	35-39	Dual	0	0.00					
20	35-39	Former	859	10.29			12.54	61	7.10
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	2125	24.17					
20	40-44	Dual	0	0.00					
20	40-44	Former	1415	16.09			16.97	71	5.02
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2660	26.39					
20	45-49	Dual	0	0.00					
20	45-49	Former	2029	20.13			19.55	69	3.40
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	2484	23.66					
20	50-54	Dual	0	0.00					
20	50-54	Former	2636	25.11			19.95	105	3.98
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1791	18.66					
20	55-59	Dual	0	0.00					
20	55-59	Former	2700	28.13			22.63	63	2.33
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	1420	16.71					
20	60-64	Dual	0	0.00					
20	60-64	Former	2650	31.19			21.37	110	4.15
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	936	14.32					
20	65-69	Dual	0	0.00					
20	65-69	Former	2437	37.29			24.39	75	3.08
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	710	12.83					
20	70-74	Dual	0	0.00					
20	70-74	Former	2052	37.08			24.60	52	2.53
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	445	8.45					
20	75-79	Dual	0	0.00					
20	75-79	Former	2012	38.22			26.91	63	3.13
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	340	0.45	0	0.00			
25	All Ages	Ecig	15263	20.13					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	19204	25.33			23.62	617	3.21
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	20	0.25	0	0.00			
25	35-39	Ecig	2156	27.19					
25	35-39	Dual	0	0.00					
25	35-39	Former	1028	12.96			11.78	70	6.81
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	33	0.40	0	0.00			
25	40-44	Ecig	1931	23.13					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1027	12.30			14.99	74	7.21
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5189	59.01					
25	45-49	CC	32	0.36	0	0.00			
25	45-49	Ecig	2008	22.84					
25	45-49	Dual	0	0.00					
25	45-49	Former	1564	17.79			20.06	56	3.58
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5284	52.43					
25	50-54	CC	45	0.45	0	0.00			
25	50-54	Ecig	2502	24.83					
25	50-54	Dual	0	0.00					
25	50-54	Former	2247	22.30			22.35	99	4.41
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5278	50.27					
25	55-59	CC	37	0.35	0	0.00			
25	55-59	Ecig	2307	21.97					
25	55-59	Dual	0	0.00					
25	55-59	Former	2877	27.40			23.02	93	3.23
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	42	0.44	0	0.00			
25	60-64	Ecig	1615	16.82					
25	60-64	Dual	0	0.00					
25	60-64	Former	2925	30.47			25.64	104	3.56
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	41	0.48	0	0.00			
25	65-69	Ecig	1262	14.85					
25	65-69	Dual	0	0.00					
25	65-69	Former	2838	33.40			24.80	47	1.66
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	31	0.47	0	0.00			
25	70-74	Ecig	850	13.00					
25	70-74	Dual	0	0.00					
25	70-74	Former	2539	38.85			28.30	35	1.38
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	59	1.07	0	0.00			
25	75-79	Ecig	632	11.42					
25	75-79	Dual	0	0.00					
25	75-79	Former	2159	39.01			28.25	39	1.81
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38326	54.53					
30	All Ages	CC	115	0.16	0	0.00			
30	All Ages	Ecig	13397	19.06					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	18445	26.24			26.06	563	3.05
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	1983	25.01					
30	40-44	Dual	0	0.00					
30	40-44	Former	1215	15.32			14.52	69	5.68
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	1825	21.86					
30	45-49	Dual	0	0.00					
30	45-49	Former	1153	13.81			18.04	50	4.34
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1873	21.30					
30	50-54	Dual	0	0.00					
30	50-54	Former	1722	19.58			22.91	82	4.76
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	2289	22.71					
30	55-59	Dual	0	0.00					
30	55-59	Former	2491	24.72			24.87	93	3.73
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	2052	19.54					
30	60-64	Dual	0	0.00					
30	60-64	Former	3154	30.04			25.73	115	3.65
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	1449	15.09					
30	65-69	Dual	0	0.00					
30	65-69	Former	3115	32.45			28.92	56	1.80
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	1181	13.90					
30	70-74	Dual	0	0.00					
30	70-74	Former	2938	34.58			28.84	51	1.74
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	745	11.40					
30	75-79	Dual	0	0.00					
30	75-79	Former	2657	40.65			31.91	47	1.77
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	11528	18.08					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	16962	26.61			28.13	463	2.73
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	1829	23.06					
35	45-49	Dual	0	0.00					
35	45-49	Former	1374	17.33			17.52	52	3.78
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	1679	20.11					
35	50-54	Dual	0	0.00					
35	50-54	Former	1309	15.68			20.50	73	5.58
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	1713	19.48					
35	55-59	Dual	0	0.00					
35	55-59	Former	1887	21.46			25.64	69	3.66
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	2053	20.37					
35	60-64	Dual	0	0.00					
35	60-64	Former	2734	27.13			27.37	111	4.06
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	1841	17.54					
35	65-69	Dual	0	0.00					
35	65-69	Former	3373	32.13			28.88	74	2.19
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	1346	14.02					
35	70-74	Dual	0	0.00					
35	70-74	Former	3225	33.59			32.82	48	1.49
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	1067	12.56					
35	75-79	Dual	0	0.00					
35	75-79	Former	3060	36.01			32.58	36	1.18
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	9450	17.10					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	14932	27.03			30.07	408	2.73
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4726	59.60					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		1679	21.17					
40	50-54	Dual		0	0.00					
40	50-54	Former		1525	19.23			20.45	82	5.38
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		5359	64.18					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		1531	18.34					
40	55-59	Dual		0	0.00					
40	55-59	Former		1460	17.49			23.07	53	3.63
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5189	59.01					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		1513	17.21					
40	60-64	Dual		0	0.00					
40	60-64	Former		2088	23.75			27.87	83	3.98
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		5284	52.43					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		1827	18.13					
40	65-69	Dual		0	0.00					
40	65-69	Former		2964	29.41			30.05	62	2.09
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		5278	50.27					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		1701	16.20					
40	70-74	Dual		0	0.00					
40	70-74	Former		3516	33.49			32.58	64	1.82
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

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40	75-79	Ecig	1199	12.49					
40	75-79	Dual	0	0.00					
40	75-79	Former	3379	35.20			36.19	64	1.89
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	7417	16.25					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	12392	27.15			31.16	327	2.64
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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45	55-59	Never Any	4726	59.60					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	1521	19.18					
45	55-59	Dual	0	0.00					
45	55-59	Former	1683	21.22			23.25	59	3.51
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	1365	16.35					
45	60-64	Dual	0	0.00					
45	60-64	Former	1626	19.47			25.39	76	4.67
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	1347	15.32					
45	65-69	Dual	0	0.00					
45	65-69	Former	2254	25.63			30.63	50	2.22
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	1682	16.69					
45	70-74	Dual	0	0.00					
45	70-74	Former	3111	30.87			33.48	74	2.38
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	1502	14.31					
45	75-79	Dual	0	0.00					
45	75-79	Former	3718	35.41			35.65	68	1.83
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	5319	15.13					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	9270	26.37			32.16	243	2.62
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	1358	17.12					
50	60-64	Dual	0	0.00					
50	60-64	Former	1846	23.28			25.90	85	4.60
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	1224	14.66					
50	65-69	Dual	0	0.00					
50	65-69	Former	1767	21.16			28.17	38	2.15
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	1249	14.20					
50	70-74	Dual	0	0.00					
50	70-74	Former	2352	26.75			34.20	51	2.17
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	1488	14.76					
50	75-79	Dual	0	0.00					
50	75-79	Former	3305	32.79			36.34	69	2.09

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	1971417.685	974832.3	10.734	33.087	2493.45	808.881	541.245	267.636

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198532	60494.150	60022.661	471.488	0.237	0.779	2829.84	862.271	855.551	6.720
1993	202512	62694.848	61777.456	917.392	0.453	1.463	2845.85	881.034	868.142	12.892
1994	200658	63202.598	61753.666	1448.932	0.722	2.293	2777.87	874.966	854.907	20.059
1995	201023	63766.862	61674.456	2092.406	1.041	3.281	2739.80	869.097	840.579	28.518
1996	201180	64591.163	61724.652	2866.510	1.425	4.438	2706.36	868.908	830.347	38.562
1997	198639	64686.912	61098.849	3588.063	1.806	5.547	2635.18	858.147	810.547	47.600
1998	197573	65295.961	60872.586	4423.375	2.239	6.774	2584.18	854.046	796.190	57.856
1999	211329	67327.521	61617.632	5709.889	2.702	8.481	2726.91	868.771	795.092	73.678
2000	208496	67596.897	60951.284	6645.612	3.187	9.831	2656.96	861.419	776.731	84.688
2001	203606	67008.811	59373.859	7634.951	3.750	11.394	2565.88	844.458	748.241	96.217
2002	200828	67067.744	58330.943	8736.800	4.350	13.027	2506.09	836.925	727.900	109.025
2003	196352	66756.217	57025.628	9730.589	4.956	14.576	2427.31	825.244	704.954	120.290
2004	188160	65058.725	54488.777	10569.95	5.618	16.247	2302.83	796.234	666.872	129.362
2005	186416	65214.724	53514.264	11700.46	6.277	17.941	2256.27	789.321	647.705	141.616
2006	180088	63771.146	51215.077	12556.07	6.972	19.689	2160.67	765.117	614.471	150.646
2007	175644	63110.718	49677.354	13433.36	7.648	21.285	2086.36	749.650	590.084	159.566
2008	177570	63718.624	49015.670	14702.95	8.280	23.075	2086.39	748.674	575.919	172.755
2009	172806	62794.698	47279.866	15514.83	8.978	24.707	2007.57	729.515	549.272	180.243
2010	170489	61917.074	45552.496	16364.58	9.599	26.430	1957.97	711.083	523.145	187.938
2011	170305	61680.114	44170.009	17510.11	10.282	28.389	1937.46	701.700	502.497	199.203
2012	171421	62023.127	43243.829	18779.30	10.955	30.278	1930.22	698.386	486.930	211.457
2013	172699	62037.765	42120.294	19917.47	11.533	32.105	1923.75	691.059	469.192	221.867
2014	174169	61921.017	40756.493	21164.52	12.152	34.180	1918.85	682.195	449.022	233.173
2015	177354	61856.204	39633.405	22222.80	12.530	35.927	2184.51	761.899	488.175	273.724
2016	176853	60464.119	37395.593	23068.53	13.044	38.152	2157.59	737.655	456.222	281.433
2017	179309	60243.839	36034.423	24209.42	13.502	40.186	2166.86	728.017	435.458	292.559
2018	177157	60713.327	35483.677	25229.65	14.241	41.555	2120.51	726.721	424.729	301.991
2019	179227	61148.172	34605.269	26542.90	14.810	43.408	2124.53	724.841	410.206	314.636
2020	180467	61149.317	33699.273	27450.04	15.211	44.890	2424.25	821.432	452.690	368.743
2021	178116	58727.786	30909.967	27817.82	15.618	47.367	2375.42	783.216	412.227	370.989
2022	179408	58848.802	29936.338	28912.46	16.115	49.130	2374.52	778.881	396.216	382.665
2023	180640	58816.149	28948.921	29867.23	16.534	50.781	2372.26	772.407	380.174	392.233
2024	181610	58955.232	27975.624	30979.61	17.058	52.548	2366.77	768.316	364.584	403.732
2025	180418	58297.744	26859.902	31437.84	17.425	53.926	2713.69	876.861	404.002	472.859
2026	180313	56469.971	24859.966	31610.01	17.531	55.977	2701.83	846.150	372.503	473.646
2027	179619	56209.427	23778.487	32430.94	18.055	57.697	2680.68	838.883	354.876	484.007
2028	178762	55733.105	22639.123	33093.98	18.513	59.379	2656.74	828.298	336.460	491.838
2029	177808	55145.838	21484.477	33661.36	18.931	61.041	2630.89	815.951	317.889	498.061
2030	173587	53615.097	20255.861	33359.24	19.218	62.220	3040.33	939.056	354.777	584.279
2031	174985	52046.561	19061.219	32985.34	18.850	63.377	3060.73	910.364	333.406	576.958
2032	173400	51582.636	18137.473	33445.16	19.288	64.838	3027.10	900.496	316.632	583.864
2033	171756	50839.758	17198.996	33640.76	19.586	66.170	2991.14	885.375	299.521	585.854
2034	169973	50215.451	16286.850	33928.60	19.961	67.566	2951.96	872.104	282.858	589.246
2035	162644	47773.075	15135.928	32637.15	20.067	68.317	3459.14	1016.05	321.913	694.132
2036	156254	43298.709	13102.678	30196.03	19.325	69.739	3328.25	922.274	279.091	643.184
2037	153593	42241.563	12180.009	30061.55	19.572	71.166	3274.10	900.450	259.638	640.813
2038	150947	41356.353	11473.175	29883.18	19.797	72.258	3217.50	881.531	244.556	636.975
2039	148373	40161.050	10648.407	29512.64	19.891	73.486	3159.42	855.178	226.744	628.433

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1157281.054	423184.2	18.180	26.776	639.078	433.910	317.727	116.184

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.475	93.931	0.207	0.287	647.450	467.274	465.935	1.339
1993	46291	33491.183	33305.500	185.683	0.401	0.554	650.515	470.643	468.033	2.609
1994	47017	34074.347	33773.363	300.985	0.640	0.883	650.895	471.719	467.553	4.167
1995	47840	34694.454	34240.625	453.829	0.949	1.308	652.025	472.861	466.676	6.185
1996	48244	35027.269	34399.166	628.103	1.302	1.793	648.999	471.202	462.752	8.450
1997	49035	35590.763	34755.233	835.529	1.704	2.348	650.506	472.153	461.069	11.084
1998	49686	36100.785	35020.102	1080.683	2.175	2.994	649.874	472.184	458.049	14.135
1999	48883	35451.030	34149.518	1301.511	2.663	3.671	630.769	457.448	440.653	16.794
2000	50331	36447.986	34819.825	1628.161	3.235	4.467	641.392	464.474	443.726	20.748
2001	50389	36411.326	34452.124	1959.202	3.888	5.381	635.012	458.863	434.172	24.690
2002	51445	37078.545	34708.388	2370.157	4.607	6.392	641.972	462.696	433.119	29.577
2003	51408	36999.876	34237.721	2762.155	5.373	7.465	635.509	457.395	423.249	34.146
2004	51399	36861.555	33664.617	3196.938	6.220	8.673	629.057	451.138	412.011	39.126
2005	51421	36689.529	33033.598	3655.931	7.110	9.965	622.370	444.069	399.819	44.249
2006	51355	36504.774	32366.904	4137.870	8.057	11.335	616.150	437.979	388.333	49.646
2007	51839	36663.202	31951.726	4711.476	9.089	12.851	615.761	435.498	379.533	55.964
2008	50976	35898.803	30757.946	5140.857	10.085	14.320	598.952	421.800	361.396	60.403
2009	51193	35934.525	30180.532	5753.993	11.240	16.012	594.733	417.468	350.621	66.847
2010	50853	35502.829	29249.118	6253.711	12.298	17.615	584.018	407.730	335.910	71.820
2011	50509	35136.342	28300.194	6836.148	13.535	19.456	574.613	399.726	321.955	77.771
2012	51245	35450.201	27890.202	7559.999	14.753	21.326	577.023	399.173	314.046	85.126
2013	51069	35123.224	26930.533	8192.691	16.042	23.326	568.874	391.249	299.988	91.261
2014	51251	35079.370	26211.365	8868.005	17.303	25.280	564.641	386.476	288.775	97.700
2015	50443	34324.171	25019.046	9305.125	18.447	27.110	621.319	422.780	308.166	114.614
2016	48854	33054.753	23370.583	9684.169	19.823	29.297	596.013	403.264	285.118	118.146
2017	48325	32471.234	22237.660	10233.57	21.177	31.516	583.983	392.399	268.731	123.668
2018	50465	33657.595	22240.649	11416.95	22.623	33.921	604.052	402.871	266.214	136.657
2019	51036	33863.424	21613.805	12249.62	24.002	36.174	604.975	401.412	256.207	145.205
2020	51444	33910.830	20970.174	12940.66	25.155	38.161	691.053	455.532	281.697	173.835
2021	48037	31531.880	18755.288	12776.59	26.597	40.520	640.639	420.521	250.128	170.393
2022	48335	31560.212	18067.015	13493.20	27.916	42.754	639.727	417.708	239.122	178.586
2023	48599	31508.781	17367.464	14141.32	29.098	44.881	638.227	413.791	228.079	185.712
2024	48784	31517.293	16669.111	14848.18	30.437	47.111	635.757	410.740	217.235	193.504
2025	48477	31175.389	15897.467	15277.92	31.516	49.006	729.141	468.912	239.115	229.796
2026	45324	29044.598	14210.279	14834.32	32.729	51.074	679.138	435.206	212.928	222.278
2027	45107	28825.765	13490.430	15335.34	33.998	53.200	673.191	430.203	201.334	228.868
2028	44842	28513.846	12753.608	15760.24	35.146	55.272	666.430	423.769	189.542	234.227
2029	44539	28148.109	12012.276	16135.83	36.228	57.325	659.013	416.486	177.736	238.750
2030	43393	27314.475	11230.337	16084.14	37.066	58.885	760.018	478.407	196.697	281.710
2031	40748	25423.102	10146.544	15276.56	37.491	60.089	712.731	444.684	177.477	267.207
2032	40325	25085.902	9570.694	15515.21	38.475	61.848	703.969	437.933	167.079	270.854
2033	39882	24645.067	9008.058	15637.01	39.208	63.449	694.543	429.194	156.875	272.319
2034	39404	24239.126	8465.984	15773.14	40.029	65.073	684.347	420.967	147.031	273.936
2035	37454	22944.147	7777.917	15166.23	40.492	66.101	796.588	487.980	165.422	322.558
2036	32988	19950.581	6482.084	13468.50	40.828	67.509	702.663	424.953	138.070	286.883
2037	32403	19415.334	5997.031	13418.30	41.410	69.112	690.731	413.871	127.837	286.034
2038	31820	18939.317	5631.384	13307.93	41.823	70.266	678.257	403.701	120.036	283.665
2039	31251	18379.752	5215.507	13164.24	42.124	71.624	665.457	391.373	111.057	280.316

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	3242167	398833.796	203015.169	195818.6	6.040	49.098	890.124	109.498	55.737	53.761

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	0.000	
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.742	250.502	0.267	1.978	1335.88	180.485	176.914	3.571
1993	93679	12730.613	12252.609	478.004	0.510	3.755	1316.45	178.900	172.183	6.717
1994	90832	12495.323	11751.150	744.172	0.819	5.956	1257.46	172.983	162.681	10.302
1995	89698	12365.590	11314.296	1051.294	1.172	8.502	1222.52	168.534	154.206	14.328
1996	88286	12290.551	10857.476	1433.076	1.623	11.660	1187.66	165.338	146.059	19.278
1997	84777	11719.531	9994.457	1725.074	2.035	14.720	1124.67	155.473	132.588	22.885
1998	82517	11416.794	9352.725	2064.069	2.501	18.079	1079.29	149.327	122.330	26.997
1999	93939	13028.038	10188.593	2839.445	3.023	21.795	1212.16	168.109	131.470	36.639
2000	90039	12426.299	9258.408	3167.891	3.518	25.493	1147.41	158.354	117.984	40.370
2001	86119	11939.281	8371.460	3567.821	4.143	29.883	1085.29	150.461	105.499	44.962
2002	83014	11528.794	7572.189	3956.605	4.766	34.319	1035.91	143.865	94.492	49.374
2003	79302	11048.407	6798.589	4249.818	5.359	38.465	980.336	136.581	84.045	52.536
2004	73861	10375.132	5928.244	4446.888	6.021	42.861	903.963	126.978	72.554	54.424
2005	71649	10051.029	5335.838	4715.192	6.581	46.913	867.197	121.652	64.582	57.070
2006	67551	9542.523	4656.472	4886.051	7.233	51.203	810.467	114.490	55.868	58.622
2007	63503	8936.533	4018.081	4918.452	7.745	55.038	754.310	106.151	47.728	58.423
2008	63171	8944.180	3698.175	5246.005	8.304	58.653	742.239	105.091	43.452	61.639
2009	59747	8390.033	3212.121	5177.913	8.666	61.715	694.108	97.471	37.317	60.154
2010	58008	8157.570	2877.639	5279.930	9.102	64.724	666.189	93.685	33.048	60.637
2011	57368	8035.356	2592.273	5443.083	9.488	67.739	652.644	91.414	29.991	61.923
2012	57411	7970.766	2343.311	5627.455	9.802	70.601	646.453	89.752	26.386	63.366
2013	57067	7743.216	2104.062	5639.154	9.882	72.827	635.688	86.254	23.438	62.816
2014	57538	7774.935	1933.518	5841.417	10.152	75.131	633.906	85.658	21.302	64.356
2015	58395	7722.535	1794.156	5928.379	10.152	76.767	719.266	95.120	22.099	73.021
2016	58658	7600.353	1620.375	5979.979	10.195	78.680	715.621	92.723	19.768	72.955
2017	59004	7470.266	1472.119	5998.147	10.166	80.294	713.034	90.274	17.790	72.485
2018	56077	6907.050	1259.845	5647.206	10.070	81.760	671.224	82.675	15.080	67.595
2019	55886	6732.046	1145.889	5586.157	9.996	82.979	662.462	79.801	13.583	66.217
2020	55313	6429.836	1033.391	5396.445	9.756	83.928	743.037	86.373	13.882	72.492
2021	56292	6562.016	969.806	5592.210	9.934	85.221	750.730	87.513	12.934	74.580
2022	55827	6352.366	885.634	5466.731	9.792	86.058	738.885	84.075	11.722	72.354
2023	55338	6134.123	815.142	5318.982	9.612	86.711	726.728	80.557	10.705	69.852
2024	54770	5922.193	749.127	5173.065	9.445	87.351	713.771	77.179	9.763	67.416
2025	53295	5504.188	670.463	4833.725	9.070	87.819	801.612	82.789	10.084	72.704
2026	55278	5641.075	658.550	4982.526	9.014	88.326	828.283	84.526	9.868	74.658
2027	54199	5426.216	613.341	4812.875	8.880	88.697	808.875	80.982	9.154	71.829
2028	53090	5197.830	570.678	4627.152	8.716	89.021	789.020	77.249	8.481	68.768
2029	51974	4973.547	534.102	4439.444	8.542	89.261	769.023	73.590	7.903	65.687
2030	49479	4450.618	463.309	3987.309	8.059	89.590	866.605	77.952	8.115	69.837
2031	51987	4555.052	469.243	4085.809	7.859	89.698	909.317	79.674	8.208	71.466
2032	50677	4349.999	441.544	3908.456	7.712	89.850	884.689	75.939	7.708	68.231
2033	49380	4147.948	420.899	3727.049	7.548	89.853	859.955	72.237	7.330	64.907
2034	48076	3966.133	400.626	3565.507	7.416	89.899	834.943	68.881	6.958	61.923
2035	44518	3289.064	321.319	2967.745	6.666	90.231	946.825	69.952	6.834	63.118
2036	46347	3313.192	322.227	2990.966	6.453	90.274	987.211	70.572	6.864	63.708
2037	44841	3117.951	303.179	2814.772	6.277	90.276	955.859	66.464	6.463	60.002
2038	43378	2949.775	290.421	2659.354	6.131	90.154	924.621	62.876	6.190	56.685
2039	41973	2766.312	277.391	2488.921	5.930	89.973	893.753	58.905	5.907	52.998

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	52301.561	52598.19	3.890	50.141	371.243	28.800	14.359	14.441

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.257	76.868	0.236	2.389	464.104	45.871	44.775	1.096
1993	32768	3226.680	3081.176	145.504	0.444	4.509	460.480	45.344	43.299	2.045
1994	33005	3277.266	3045.336	231.930	0.703	7.077	456.915	45.370	42.159	3.211
1995	33730	3309.378	2977.197	332.181	0.985	10.038	459.716	45.104	40.577	4.527
1996	33750	3312.987	2864.019	448.968	1.330	13.552	454.019	44.568	38.528	6.040
1997	33699	3267.066	2705.221	561.845	1.667	17.197	447.056	43.341	35.888	7.454
1998	33274	3178.725	2509.355	669.370	2.012	21.058	435.211	41.577	32.821	8.755
1999	33891	3120.351	2341.687	778.664	2.298	24.954	437.317	40.264	30.216	10.048
2000	33827	3142.808	2232.739	910.069	2.690	28.957	431.074	40.050	28.453	11.597
2001	32506	2961.588	1985.121	976.467	3.004	32.971	409.647	37.323	25.017	12.306
2002	32078	2940.627	1843.518	1097.109	3.420	37.309	400.295	36.695	23.005	13.691
2003	30568	2819.545	1652.108	1167.436	3.819	41.405	377.883	34.855	20.423	14.432
2004	29388	2730.466	1488.144	1242.322	4.227	45.499	359.671	33.417	18.213	15.204
2005	27954	2670.510	1352.452	1318.058	4.715	49.356	338.339	32.322	16.369	15.953
2006	27201	2623.285	1232.324	1390.961	5.114	53.024	326.354	31.474	14.785	16.689
2007	26302	2536.599	1101.710	1434.890	5.455	56.567	312.424	30.131	13.086	17.044
2008	25998	2469.443	994.244	1475.200	5.674	59.738	305.468	29.015	11.682	17.333
2009	25040	2386.945	888.687	1498.258	5.983	62.769	290.901	27.730	10.324	17.406
2010	24840	2329.274	802.440	1526.835	6.147	65.550	285.273	26.750	9.216	17.535
2011	24792	2286.581	724.439	1562.142	6.301	68.318	282.045	26.013	8.242	17.772
2012	24500	2243.311	653.484	1589.826	6.489	70.870	275.872	25.260	7.358	17.902
2013	24451	2176.503	583.967	1592.536	6.513	73.169	272.368	24.245	6.505	17.740
2014	25296	2211.619	548.070	1663.549	6.576	75.219	278.691	24.366	6.038	18.328
2015	26316	2237.016	517.896	1719.119	6.533	76.849	324.141	27.554	6.379	21.175
2016	26735	2229.057	479.204	1749.853	6.545	78.502	326.164	27.194	5.846	21.348
2017	27616	2221.649	445.343	1776.306	6.432	79.954	333.726	26.848	5.382	21.466
2018	25256	1939.420	364.790	1574.630	6.235	81.191	302.304	23.214	4.366	18.848
2019	25429	1904.400	333.986	1570.414	6.176	82.462	301.434	22.574	3.959	18.615
2020	25379	1806.054	299.063	1506.991	5.938	83.441	340.922	24.261	4.017	20.244
2021	25448	1748.172	271.814	1476.359	5.801	84.452	339.386	23.314	3.625	19.689
2022	25539	1701.148	249.807	1451.341	5.683	85.315	338.015	22.515	3.306	19.209
2023	25620	1652.087	231.117	1420.970	5.546	86.011	336.461	21.696	3.035	18.661
2024	25659	1597.127	212.408	1384.719	5.397	86.701	334.391	20.814	2.768	18.046
2025	25260	1467.622	187.706	1279.916	5.067	87.210	379.931	22.075	2.823	19.251
2026	25480	1390.505	171.578	1218.927	4.784	87.661	381.790	20.835	2.571	18.264
2027	25264	1342.095	159.727	1182.369	4.680	88.099	377.042	20.030	2.384	17.646
2028	25022	1289.536	149.180	1140.355	4.557	88.431	371.870	19.165	2.217	16.948
2029	24767	1242.216	140.039	1102.177	4.450	88.727	366.459	18.380	2.072	16.308
2030	23959	1096.803	120.166	976.637	4.076	89.044	419.641	19.210	2.105	17.106
2031	23963	1019.991	110.277	909.713	3.796	89.188	419.142	17.841	1.929	15.912
2032	23615	977.406	103.886	873.520	3.699	89.371	412.259	17.063	1.814	15.249
2033	23259	937.450	99.423	838.027	3.603	89.394	405.051	16.326	1.731	14.594
2034	22879	900.763	94.828	805.935	3.523	89.473	397.339	15.644	1.647	13.997
2035	21733	745.023	77.017	668.006	3.074	89.662	462.224	15.845	1.638	14.207
2036	20904	680.360	69.779	610.581	2.921	89.744	445.263	14.492	1.486	13.006
2037	20397	644.109	66.250	577.859	2.833	89.714	434.791	13.730	1.412	12.318
2038	19890	612.448	63.747	548.701	2.759	89.591	423.966	13.055	1.359	11.696
2039	19392	577.529	61.262	516.267	2.662	89.392	412.930	12.298	1.304	10.993

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	558819.900	303231.3	14.039	35.176	593.003	236.673	153.422	83.251

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.187	50.188	0.187	0.424	382.401	168.642	167.927	0.715
1993	29774	13246.371	13138.171	108.200	0.363	0.817	418.406	186.148	184.627	1.521
1994	29804	13355.662	13183.817	171.845	0.577	1.287	412.601	184.893	182.514	2.379
1995	29755	13397.439	13142.338	255.101	0.857	1.904	405.540	182.598	179.121	3.477
1996	30900	13960.356	13603.992	356.364	1.153	2.553	415.680	187.801	183.007	4.794
1997	31128	14109.552	13643.938	465.615	1.496	3.300	412.949	187.180	181.003	6.177
1998	32096	14599.657	13990.404	609.254	1.898	4.173	419.803	190.958	182.989	7.969
1999	34616	15728.102	14937.833	790.269	2.283	5.025	446.673	202.950	192.753	10.197
2000	34299	15579.803	14640.313	939.490	2.739	6.030	437.088	198.541	186.568	11.972
2001	34592	15696.614	14565.153	1131.461	3.271	7.208	435.935	197.812	183.553	14.259
2002	34291	15519.777	14206.848	1312.929	3.829	8.460	427.910	193.668	177.284	16.384
2003	35074	15888.389	14337.210	1551.179	4.423	9.763	433.587	196.413	177.237	19.176
2004	33512	15091.573	13407.773	1683.800	5.024	11.157	410.143	184.701	164.094	20.608
2005	35392	15803.656	13792.376	2011.280	5.683	12.727	428.364	191.278	166.935	24.343
2006	33981	15100.563	12959.376	2141.187	6.301	14.180	407.699	181.174	155.485	25.690
2007	34000	14974.384	12605.837	2368.547	6.966	15.817	403.863	177.871	149.736	28.134
2008	37425	16406.197	13565.305	2840.892	7.591	17.316	439.732	192.768	159.388	33.380
2009	36826	16083.194	12998.526	3084.668	8.376	19.179	427.825	186.846	151.010	35.836
2010	36788	15927.400	12623.298	3304.102	8.981	20.745	422.489	182.917	144.971	37.946
2011	37636	16221.836	12553.103	3668.733	9.748	22.616	428.164	184.547	142.810	41.737
2012	38265	16358.849	12356.832	4002.017	10.459	24.464	430.867	184.202	139.139	45.063
2013	40112	16994.822	12501.732	4493.090	11.201	26.438	446.821	189.311	139.261	50.050
2014	40084	16855.093	12063.539	4791.554	11.954	28.428	441.613	185.696	132.906	52.789
2015	42200	17572.483	12302.307	5270.176	12.489	29.991	519.788	216.445	151.531	64.914
2016	42606	17579.955	11925.431	5654.524	13.272	32.165	519.788	214.473	145.489	68.985
2017	44364	18080.688	11879.301	6201.387	13.978	34.298	536.117	218.496	143.555	74.941
2018	45359	18209.262	11618.393	6590.869	14.530	36.195	542.932	217.960	139.069	78.891
2019	46876	18648.302	11511.589	7136.713	15.225	38.270	555.657	221.054	136.457	84.598
2020	48331	19002.597	11396.646	7605.951	15.737	40.026	649.239	255.266	153.094	102.172
2021	48338	18885.717	10913.060	7972.658	16.493	42.215	644.660	251.867	145.541	106.326
2022	49708	19235.076	10733.881	8501.195	17.102	44.196	657.895	254.582	142.066	112.516
2023	51083	19521.158	10535.199	8985.959	17.591	46.032	670.849	256.363	138.354	118.009
2024	52397	19918.620	10344.979	9573.641	18.271	48.064	682.854	259.583	134.818	124.766
2025	53387	20150.545	10104.267	10046.28	18.818	49.856	803.004	303.086	151.979	151.107
2026	54232	20393.792	9819.559	10574.23	19.498	51.850	812.615	305.582	147.137	158.445
2027	55049	20615.351	9514.990	11100.36	20.164	53.845	821.568	307.668	142.004	165.664
2028	55809	20731.894	9165.656	11566.24	20.725	55.790	829.419	308.115	136.219	171.896
2029	56527	20781.967	8798.059	11983.91	21.200	57.665	836.392	307.495	130.178	177.317
2030	56756	20753.201	8442.048	12311.15	21.691	59.322	994.067	363.487	147.860	215.627
2031	58288	21048.417	8335.154	12713.26	21.811	60.400	1019.54	368.165	145.793	222.372
2032	58782	21169.329	8021.349	13147.98	22.367	62.109	1026.18	369.560	140.031	229.529
2033	59236	21109.293	7670.616	13438.68	22.687	63.662	1031.59	367.618	133.584	234.035
2034	59614	21109.429	7325.413	13784.02	23.122	65.298	1035.33	366.613	127.222	239.390
2035	58938	20794.840	6959.674	13835.17	23.474	66.532	1253.51	442.268	148.020	294.249
2036	56014	19354.577	6228.588	13125.99	23.433	67.819	1193.11	412.258	132.671	279.587
2037	55953	19064.169	5813.549	13250.62	23.682	69.505	1192.72	406.385	123.926	282.459
2038	55859	18854.812	5487.624	13367.19	23.930	70.895	1190.66	401.900	116.971	284.928
2039	55757	18437.457	5094.248	13343.21	23.931	72.370	1187.28	392.602	108.475	284.126

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9147078	2946250.006	1980448.556	965801.5	10.559	32.781	2499.47	808.881	541.163	267.718

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198533	60494.150	60022.886	471.264	0.237	0.779	2829.84	862.271	855.552	6.719
1993	202515	62694.848	61778.334	916.514	0.453	1.462	2845.86	881.034	868.146	12.888
1994	200665	63202.598	61755.820	1446.778	0.721	2.289	2777.91	874.966	854.918	20.048
1995	201036	63766.862	61678.591	2088.271	1.039	3.275	2739.86	869.097	840.600	28.497
1996	201202	64591.163	61731.686	2859.477	1.421	4.427	2706.47	868.908	830.382	38.526
1997	198673	64686.912	61109.749	3577.163	1.801	5.530	2635.34	858.147	810.602	47.545
1998	197623	65295.961	60888.496	4407.465	2.230	6.750	2584.42	854.046	796.271	57.775
1999	211403	67327.521	61640.077	5687.444	2.690	8.447	2727.28	868.771	795.208	73.563
2000	208596	67596.897	60981.438	6615.459	3.171	9.787	2657.45	861.419	776.886	84.533
2001	203734	67008.811	59412.317	7596.494	3.729	11.337	2566.51	844.458	748.439	96.019
2002	200989	67067.744	58378.923	8688.820	4.323	12.955	2506.89	836.925	728.147	108.778
2003	196549	66756.217	57084.239	9671.978	4.921	14.489	2428.30	825.244	705.257	119.987
2004	188392	65058.725	54557.414	10501.31	5.574	16.141	2304.01	796.234	667.229	129.006
2005	186692	65214.724	53594.865	11619.86	6.224	17.818	2257.66	789.321	648.122	141.199
2006	180404	63771.146	51306.406	12464.74	6.909	19.546	2162.27	765.117	614.944	150.174
2007	176003	63110.718	49780.723	13329.99	7.574	21.122	2088.17	749.650	590.617	159.033
2008	177990	63718.624	49133.609	14585.02	8.194	22.890	2088.50	748.674	576.526	172.147
2009	173273	62794.698	47410.061	15384.64	8.879	24.500	2009.90	729.515	549.939	179.576
2010	171011	61917.074	44694.578	16222.50	9.486	26.200	1960.56	711.083	523.867	187.216
2011	170890	61680.114	44324.564	17355.55	10.156	28.138	1940.35	701.700	503.278	198.422
2012	172077	62023.127	43412.783	18610.34	10.815	30.005	1933.43	698.386	487.778	210.609
2013	173435	62037.765	42303.311	19734.45	11.379	31.810	1927.33	691.059	470.105	220.954
2014	174989	61921.017	40952.393	20968.62	11.983	33.864	1922.80	682.195	449.992	232.203
2015	178276	61856.204	39843.814	22012.39	12.347	35.586	2188.76	761.899	489.176	272.722
2016	177859	60464.119	37613.086	22851.03	12.848	37.793	2162.18	737.655	457.250	280.405
2017	180425	60243.839	36263.881	23979.96	13.291	39.805	2171.95	728.017	436.534	291.474
2018	178360	60713.327	35730.144	24983.18	14.007	41.149	2126.00	726.721	425.893	300.827
2019	180551	61148.172	34867.133	26281.04	14.556	42.979	2130.58	724.841	411.447	313.394
2020	181920	61149.317	33976.701	27172.62	14.937	44.436	2430.41	821.432	453.922	367.511
2021	179661	58727.786	31184.552	27543.23	15.331	46.900	2381.97	783.216	413.449	369.766
2022	181082	58848.802	30222.418	28626.38	15.809	48.644	2381.65	778.881	397.496	381.385
2023	182447	58816.149	29245.839	29570.31	16.208	50.276	2380.00	772.407	381.509	390.898
2024	183553	58955.232	28282.874	30672.36	16.710	52.027	2375.13	768.316	365.974	402.342
2025	182497	58297.744	27176.376	31121.37	17.053	53.383	2721.65	876.861	405.292	471.569
2026	182537	56469.971	25174.779	31295.19	17.145	55.419	2710.58	846.150	373.833	472.316
2027	181973	56209.427	24099.315	32110.11	17.646	57.126	2690.10	838.883	356.260	482.623
2028	181248	55733.105	22963.507	32769.60	18.080	58.797	2666.87	828.298	337.883	490.415
2029	180427	55145.838	21811.072	33334.77	18.475	60.448	2641.75	815.951	319.350	496.601
2030	176328	53615.097	20584.622	33030.47	18.732	61.607	3050.14	939.056	356.074	582.981
2031	177931	52046.561	19392.736	32653.82	18.352	62.740	3071.94	910.364	334.812	575.552
2032	176479	51582.636	18470.999	33111.64	18.762	64.191	3039.20	900.496	318.095	582.400
2033	174968	50839.758	17532.653	33307.11	19.036	65.514	3004.15	885.375	301.031	584.344
2034	173312	50215.451	16619.476	33595.98	19.385	66.904	2965.88	872.104	284.407	587.696
2035	166071	47773.075	15466.034	32307.04	19.454	67.626	3471.45	1016.05	323.293	692.753
2036	159706	43298.709	13402.929	29895.78	18.719	69.045	3341.22	922.274	280.404	641.870
2037	157134	42241.563	12471.366	29770.20	18.946	70.476	3287.98	900.450	260.959	639.491
2038	154571	41356.353	11759.552	29596.80	19.148	71.565	3232.28	881.531	245.907	635.624
2039	152079	40161.050	10924.592	29236.46	19.225	72.798	3175.08	855.178	228.082	627.096

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	2343623	1580465.217	1162429.558	418035.7	17.837	26.450	640.402	433.910	317.637	116.273

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	0.467
1992	45423	32782.407	32688.599	93.808	0.207	0.286	647.451	467.274	1.338
1993	46292	33491.183	33305.977	185.206	0.400	0.553	650.518	470.643	2.607
1994	47019	34074.347	33774.552	299.796	0.638	0.880	650.904	471.719	4.161
1995	47843	34694.454	34242.942	451.512	0.944	1.301	652.042	472.861	6.174
1996	48250	35027.269	34403.127	624.141	1.294	1.782	649.027	471.202	8.429
1997	49044	35590.763	34761.479	829.284	1.691	2.330	650.551	472.153	11.053
1998	49699	36100.785	35029.312	1071.472	2.156	2.968	649.940	472.184	14.088
1999	48901	35451.030	34162.007	1289.023	2.636	3.636	630.860	457.448	16.730
2000	50356	36447.986	34837.115	1610.871	3.199	4.420	641.520	464.474	20.659
2001	50422	36411.326	34474.476	1936.850	3.841	5.319	635.179	458.863	24.575
2002	51487	37078.545	34736.994	2341.551	4.548	6.315	642.189	462.696	29.429
2003	51461	36999.876	34272.949	2726.927	5.299	7.370	635.780	457.395	33.963
2004	51463	36861.555	33707.018	3154.537	6.130	8.558	629.389	451.138	38.906
2005	51498	36689.529	33083.273	3606.256	7.003	9.829	622.762	444.069	43.993
2006	51446	36504.774	32424.467	4080.307	7.931	11.177	616.611	437.979	49.349
2007	51945	36663.202	32018.004	4645.198	8.942	12.670	616.300	435.498	55.624
2008	51097	35898.803	30831.592	5067.211	9.917	14.115	599.560	421.800	60.026
2009	51331	35934.525	30263.268	5671.257	11.048	15.782	595.424	417.468	66.426
2010	51008	35502.829	29339.875	6162.954	12.082	17.359	584.786	407.730	71.362
2011	50682	35136.342	28398.676	6737.666	13.294	19.176	575.461	399.726	77.277
2012	51441	35450.201	27998.595	7451.606	14.486	21.020	577.977	399.173	84.586
2013	51285	35123.224	27046.872	8076.352	15.748	22.994	569.921	391.249	90.685
2014	51491	35079.370	26336.711	8742.659	16.979	24.923	565.794	386.476	97.083
2015	50704	34324.171	25151.134	9173.037	18.091	26.725	622.508	422.780	113.990
2016	49131	33054.753	23505.849	9548.903	19.436	28.888	597.264	403.264	117.511
2017	48624	32471.234	22378.601	10092.63	20.756	31.082	585.337	392.399	123.006
2018	50804	33657.595	22393.964	11263.63	22.171	33.465	605.575	402.871	135.941
2019	51409	33863.424	21776.062	12087.36	23.512	35.694	606.646	401.412	144.445
2020	51852	33910.830	21141.323	12769.51	24.627	37.656	692.728	455.532	173.088
2021	48449	31531.880	18920.566	12611.31	26.030	39.995	642.339	420.521	169.669
2022	48780	31560.212	18238.275	13321.94	27.310	42.211	641.571	417.708	177.832
2023	49078	31508.781	17544.140	13964.64	28.454	44.320	640.222	413.791	184.930
2024	49298	31517.293	16850.666	14666.63	29.751	46.535	637.907	410.740	192.696
2025	49026	31175.389	16083.179	15092.21	30.784	48.411	731.145	468.912	229.057
2026	45876	29044.598	14388.799	14655.80	31.946	50.460	681.238	435.206	213.667
2027	45691	28825.765	13670.937	15154.83	33.168	52.574	675.449	430.203	202.097
2028	45457	28513.846	12934.750	15579.10	34.272	54.637	668.851	423.769	190.321
2029	45186	28148.109	12193.195	15954.91	35.309	56.682	661.602	416.486	178.528
2030	44069	27314.475	11410.954	15903.52	36.088	58.224	762.303	478.407	197.388
2031	41427	25423.102	10321.510	15101.59	36.453	59.401	715.232	444.684	178.199
2032	41034	25085.902	9745.017	15340.88	37.386	61.153	706.655	437.933	167.822
2033	40619	24645.067	9180.991	15464.08	38.071	62.747	697.420	429.194	157.635
2034	40169	24239.126	8636.897	15602.23	38.841	64.368	687.412	420.967	147.802
2035	38236	22944.147	7945.837	14998.31	39.226	65.369	799.257	487.980	166.095
2036	33708	19950.581	6628.728	13321.85	39.522	66.774	705.205	424.953	138.680
2037	33140	19415.334	6138.400	13276.93	40.063	68.384	693.439	413.871	128.444
2038	32572	18939.317	5769.681	13169.64	40.432	69.536	681.130	403.701	120.651
2039	32019	18379.752	5348.338	13031.41	40.699	70.901	668.490	391.373	111.662

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3261261	398833.796	203319.020	195514.8	5.995	49.022	891.149	109.498	55.558	53.941

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.788	250.455	0.267	1.978	1335.88	180.485	176.915	3.570
1993	93680	12730.613	12252.783	477.830	0.510	3.753	1316.45	178.900	172.183	6.716
1994	90835	12495.323	11751.560	743.763	0.819	5.952	1257.48	172.983	162.683	10.300
1995	89704	12365.590	11315.056	1050.534	1.171	8.496	1222.55	168.534	154.210	14.325
1996	88296	12290.551	10858.712	1431.839	1.622	11.650	1187.71	165.338	146.066	19.272
1997	84792	11719.531	9996.252	1723.279	2.032	14.704	1124.73	155.473	132.597	22.876
1998	82538	11416.794	9355.193	2061.601	2.498	18.058	1079.39	149.327	122.343	26.984
1999	93972	13028.038	10192.351	2835.687	3.018	21.766	1212.31	168.109	131.490	36.620
2000	90082	12426.299	9263.049	3163.250	3.512	25.456	1147.62	158.354	118.009	40.346
2001	86173	11939.281	8376.948	3562.334	4.134	29.837	1085.55	150.461	105.528	44.934
2002	83080	11528.794	7578.469	3950.325	4.755	34.265	1036.24	143.865	94.525	49.341
2003	79381	11048.407	6805.615	4242.792	5.345	38.402	980.728	136.581	84.081	52.500
2004	73952	10375.132	5935.721	4439.411	6.003	42.789	904.417	126.978	72.593	54.385
2005	71754	10051.029	5343.875	4707.155	6.560	46.833	867.725	121.652	64.623	57.028
2006	67669	9542.523	4664.734	4877.790	7.208	51.116	811.058	114.490	55.910	58.580
2007	63632	8936.533	4026.361	4910.172	7.717	54.945	754.954	106.151	47.770	58.381
2008	63319	8944.180	3706.920	5237.261	8.271	58.555	742.973	105.091	43.496	61.595
2009	59907	8390.033	3220.800	5169.234	8.629	61.612	694.900	97.471	37.360	60.111
2010	58184	8157.570	2886.402	5271.167	9.060	64.617	667.050	93.685	33.091	60.594
2011	57563	8035.356	2601.084	5434.272	9.441	67.630	653.592	91.414	29.534	61.880
2012	57628	7970.766	2352.096	5618.670	9.750	70.491	647.496	89.752	26.428	63.324
2013	57307	7743.216	2112.781	5630.435	9.825	72.714	636.839	86.254	23.479	62.775
2014	57805	7774.935	1942.305	5832.631	10.090	75.018	635.171	85.658	21.342	64.315
2015	58694	7722.535	1803.127	5919.408	10.085	76.651	720.607	95.120	22.138	72.983
2016	58987	7600.353	1629.188	5971.165	10.123	78.564	717.087	92.723	19.806	72.918
2017	59365	7470.266	1480.799	5989.467	10.089	80.177	714.638	90.274	17.826	72.449
2018	56451	6907.050	1267.848	5639.202	9.990	81.644	672.878	82.675	15.112	67.563
2019	56291	6732.046	1153.740	5578.307	9.910	82.862	664.259	79.801	13.615	66.186
2020	55751	6429.836	1041.088	5388.748	9.666	83.808	744.826	86.373	13.909	72.465
2021	56770	6562.016	977.449	5584.567	9.837	85.104	752.659	87.513	12.959	74.554
2022	56336	6352.366	893.069	5459.297	9.691	85.941	740.950	84.075	11.746	72.329
2023	55879	6134.123	822.403	5311.721	9.506	86.593	728.934	80.557	10.728	69.829
2024	55342	5922.193	756.178	5166.014	9.335	87.231	716.118	77.179	9.785	67.394
2025	53897	5504.188	677.334	4826.854	8.956	87.694	803.792	82.789	10.101	72.688
2026	55941	5641.075	665.651	4975.425	8.894	88.200	830.694	84.526	9.885	74.642
2027	54889	5426.216	620.313	4805.903	8.756	88.568	811.428	80.982	9.170	71.812
2028	53807	5197.830	577.466	4620.364	8.587	88.890	791.719	77.249	8.497	68.753
2029	52717	4973.547	540.741	4432.806	8.409	89.128	771.868	73.590	7.917	65.672
2030	50242	4450.618	469.715	3980.903	7.923	89.446	869.088	77.952	8.125	69.826
2031	52834	4555.052	476.005	4079.048	7.721	89.550	912.162	79.674	8.218	71.456
2032	51547	4349.999	448.166	3901.834	7.570	89.697	887.704	75.939	7.718	68.221
2033	50271	4147.948	427.470	3720.478	7.401	89.694	863.139	72.237	7.340	64.897
2034	48986	3966.133	407.096	3559.037	7.265	89.736	838.289	68.881	6.967	61.914
2035	45431	3289.064	327.343	2961.722	6.519	90.048	949.652	69.952	6.843	63.110
2036	47339	3313.192	328.417	2984.775	6.305	90.088	990.375	70.572	6.871	63.701
2037	45840	3117.951	309.154	2808.797	6.127	90.085	959.179	66.464	6.469	59.995
2038	44382	2949.775	296.307	2653.468	5.979	89.955	928.089	62.876	6.196	56.680
2039	42981	2766.312	283.136	2483.176	5.777	89.765	897.359	58.905	5.911	52.994

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1361295	104899.750	52372.300	52527.45	3.859	50.074	371.978	28.800	14.311	14.489

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.268	76.857	0.236	2.388	464.104	45.871	44.775	1.096
1993	32768	3226.680	3081.216	145.464	0.444	4.508	460.482	45.344	43.299	2.045
1994	33006	3277.266	3045.432	231.833	0.702	7.074	456.920	45.370	42.159	3.210
1995	33732	3309.378	2977.379	331.999	0.984	10.032	459.725	45.104	40.578	4.527
1996	33754	3312.987	2864.314	448.672	1.329	13.543	454.035	44.568	38.529	6.038
1997	33705	3267.066	2705.658	561.408	1.666	17.184	447.080	43.341	35.890	7.452
1998	33282	3178.725	2509.949	668.776	2.009	21.039	435.246	41.577	32.824	8.753
1999	33902	3120.351	2342.456	777.895	2.295	24.930	437.368	40.264	30.220	10.044
2000	33842	3142.808	2233.728	909.081	2.686	28.926	431.142	40.050	28.457	11.593
2001	32525	2961.588	1986.265	975.324	2.999	32.932	409.735	37.323	25.022	12.301
2002	32103	2940.627	1844.844	1095.783	3.413	37.264	400.408	36.695	23.010	13.685
2003	30597	2819.545	1653.572	1165.973	3.811	41.353	378.020	34.855	20.429	14.426
2004	29423	2730.466	1489.732	1240.734	4.217	45.440	359.836	33.417	18.219	15.198
2005	27994	2670.510	1354.144	1316.366	4.702	49.293	338.527	32.322	16.376	15.947
2006	27247	2623.285	1234.142	1389.144	5.098	52.954	326.575	31.474	14.792	16.682
2007	26354	2536.599	1103.581	1433.018	5.438	56.494	312.673	30.131	13.093	17.037
2008	26057	2469.443	996.180	1473.264	5.654	59.660	305.754	29.015	11.689	17.326
2009	25106	2386.945	890.655	1496.290	5.960	62.686	291.216	27.730	10.331	17.399
2010	24914	2329.274	804.444	1524.830	6.120	65.464	285.628	26.750	9.223	17.528
2011	24875	2286.581	726.460	1560.121	6.272	68.229	282.442	26.013	8.249	17.765
2012	24592	2243.311	655.492	1587.819	6.457	70.780	276.309	25.260	7.365	17.895
2013	24553	2176.503	585.951	1590.552	6.478	73.078	272.852	24.245	6.512	17.733
2014	25413	2211.619	550.124	1661.495	6.538	75.126	279.245	24.366	6.045	18.321
2015	26451	2237.016	520.045	1716.971	6.491	76.753	324.749	27.554	6.385	21.169
2016	26885	2229.057	481.379	1747.678	6.500	78.404	326.837	27.194	5.852	21.342
2017	27786	2221.649	447.567	1774.082	6.385	79.854	334.491	26.848	5.388	21.460
2018	25426	1939.420	366.785	1572.635	6.185	81.088	303.076	23.214	4.372	18.842
2019	25616	1904.400	335.962	1568.438	6.123	82.359	302.284	22.574	3.964	18.610
2020	25584	1806.054	301.011	1505.044	5.883	83.333	341.792	24.261	4.021	20.240
2021	25671	1748.172	273.733	1474.439	5.744	84.342	340.345	23.314	3.629	19.685
2022	25779	1701.148	251.697	1449.450	5.623	85.204	339.054	22.515	3.310	19.205
2023	25879	1652.087	232.981	1419.106	5.484	85.898	337.583	21.696	3.039	18.657
2024	25935	1597.127	214.224	1382.902	5.332	86.587	335.599	20.814	2.772	18.042
2025	25554	1467.622	189.480	1278.143	5.002	87.089	381.099	22.075	2.826	19.249
2026	25798	1390.505	173.314	1217.191	4.718	87.536	383.090	20.835	2.574	18.262
2027	25599	1342.095	161.434	1180.661	4.612	87.971	378.433	20.030	2.386	17.643
2028	25374	1289.536	150.855	1138.681	4.488	88.302	373.356	19.165	2.220	16.945
2029	25137	1242.216	141.688	1100.528	4.378	88.594	368.042	18.380	2.075	16.306
2030	24344	1096.803	121.755	975.049	4.005	88.899	421.105	19.210	2.106	17.104
2031	24372	1019.991	111.809	908.182	3.726	89.038	420.773	17.841	1.930	15.911
2032	24041	977.406	105.388	872.018	3.627	89.218	414.011	17.063	1.815	15.248
2033	23700	937.450	100.922	836.528	3.530	89.234	406.925	16.326	1.733	14.593
2034	23335	900.763	96.308	804.455	3.447	89.308	399.333	15.644	1.648	13.996
2035	22199	745.023	78.401	666.622	3.003	89.477	464.031	15.845	1.639	14.206
2036	21374	680.360	71.062	609.298	2.851	89.555	447.178	14.492	1.487	13.005
2037	20876	644.109	67.497	576.613	2.762	89.521	436.826	13.730	1.412	12.318
2038	20378	612.448	64.977	547.471	2.687	89.391	426.120	13.055	1.359	11.696
2039	19887	577.529	62.468	515.062	2.590	89.184	415.196	12.298	1.304	10.994

Results for PHIM for Run 2 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2180900	862051.244	562327.679	299723.6	13.743	34.769	595.937	236.673	153.658	83.015

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.232	50.143	0.187	0.424	382.401	168.642	167.927	0.715
1993	29774	13246.371	13138.357	108.014	0.363	0.815	418.408	186.148	184.628	1.520
1994	29805	13355.662	13184.276	171.386	0.575	1.283	412.606	184.893	182.517	2.377
1995	29757	13397.439	13143.213	254.226	0.854	1.898	405.549	182.598	179.125	3.473
1996	30903	13960.356	13605.532	354.823	1.148	2.542	415.697	187.801	183.014	4.786
1997	31133	14109.552	13646.360	463.192	1.488	3.283	412.976	187.180	181.015	6.165
1998	32104	14599.657	13994.043	605.615	1.886	4.148	419.844	190.958	183.008	7.950
1999	34628	15728.102	14943.263	784.839	2.266	4.990	446.735	202.950	192.780	10.170
2000	34316	15579.803	14647.546	932.257	2.717	5.984	437.173	198.541	186.606	11.935
2001	34614	15696.614	14574.629	1121.986	3.241	7.148	436.049	197.812	183.602	14.210
2002	34319	15519.777	14218.616	1301.162	3.791	8.384	428.056	193.668	177.346	16.323
2003	35110	15888.389	14352.104	1536.285	4.376	9.669	433.775	196.413	177.316	19.098
2004	33555	15091.573	13424.943	1666.630	4.967	11.043	410.368	184.701	164.185	20.516
2005	35446	15803.656	13813.573	1990.082	5.614	12.593	428.647	191.278	167.047	24.231
2006	34043	15100.563	12983.063	2117.500	6.220	14.023	408.024	181.174	155.611	25.563
2007	34072	14974.384	12632.777	2341.607	6.873	15.637	404.242	177.871	149.880	27.991
2008	37517	16406.197	13598.918	2807.280	7.483	17.111	440.216	192.768	159.568	33.200
2009	36929	16083.194	13035.338	3047.856	8.253	18.951	428.362	186.846	151.205	35.641
2010	36905	15927.400	12663.857	3263.544	8.843	20.490	423.094	182.917	145.185	37.732
2011	37770	16221.836	12598.344	3623.492	9.594	22.337	428.851	184.547	143.046	41.500
2012	38417	16358.849	12406.600	3952.250	10.288	24.160	431.644	184.202	139.398	44.804
2013	40289	16994.822	12557.707	4437.115	11.013	26.109	447.719	189.311	139.550	49.761
2014	40279	16855.093	12123.253	4731.840	11.748	28.074	442.595	185.696	133.212	52.483
2015	42427	17572.483	12369.509	5202.974	12.263	29.609	520.892	216.445	151.865	64.580
2016	42856	17579.955	11996.670	5583.286	13.028	31.759	520.991	214.473	145.840	68.634
2017	44649	18080.688	11956.913	6123.775	13.715	33.869	537.480	218.496	143.937	74.559
2018	45678	18209.262	11701.546	6507.716	14.247	35.738	544.473	217.960	139.479	78.480
2019	47235	18648.302	11601.370	7046.932	14.919	37.789	557.389	221.054	136.901	84.153
2020	48733	19002.597	11493.279	7509.318	15.409	39.517	651.066	255.266	153.548	101.718
2021	48772	18885.717	11012.804	7872.913	16.142	41.687	646.631	251.867	146.009	105.858
2022	50187	19235.076	10839.377	8395.700	16.729	43.648	660.079	254.582	142.563	112.018
2023	51611	19521.158	10646.315	8874.843	17.196	45.463	673.261	256.363	138.880	117.483
2024	52977	19918.620	10461.806	9456.814	17.851	47.477	685.508	259.583	135.373	124.210
2025	54020	20150.545	10226.384	9924.161	18.371	49.250	805.619	303.086	152.510	150.576
2026	54922	20393.792	9947.015	10446.78	19.021	51.225	815.561	305.582	147.708	157.874
2027	55793	20615.351	9646.632	10968.72	19.659	53.207	824.794	307.668	142.606	165.062
2028	56609	20731.894	9300.436	11431.46	20.194	55.139	832.945	308.115	136.846	171.269
2029	57387	20781.967	8935.448	11846.52	20.643	57.004	840.234	307.495	130.830	176.665
2030	57674	20753.201	8582.199	12171.00	21.103	58.646	997.647	363.487	148.456	215.032
2031	59299	21048.417	8483.413	12565.00	21.189	59.696	1023.78	368.165	146.464	221.700
2032	59858	21169.329	8172.428	12996.90	21.713	61.395	1030.83	369.560	140.740	228.820
2033	60377	21109.293	7823.270	13286.02	22.005	62.939	1036.66	367.618	134.323	233.295
2034	60822	21109.429	7479.175	13630.25	22.410	64.570	1040.84	366.613	127.990	238.622
2035	60206	20794.840	7114.453	13680.39	22.723	65.787	1258.51	442.268	148.716	293.552
2036	57285	19354.577	6374.722	12979.85	22.658	67.063	1198.46	412.258	133.366	278.892
2037	57278	19064.169	5956.316	13107.85	22.884	68.756	1198.53	406.385	124.634	281.751
2038	57239	18854.812	5628.587	13226.23	23.107	70.148	1196.94	401.900	117.701	284.199
2039	57191	18437.457	5230.650	13206.81	23.092	71.630	1194.03	392.602	109.205	283.397

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Control File Details for Run: 3

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S3B
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_3
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 3, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.003043	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.005374	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.003211	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.003435	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.003435	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.006556	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.007951	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.003235	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.002734	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.003384	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.001610	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.001977	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.000788	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.001889	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.002770	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.004416	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.003617	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.003549	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.003549	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 3, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 3, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	11508	12.47	0	0.00			
5	All Ages	Ecig	15766	17.08					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26648	28.87			15.32	1551	5.82
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	320	9.03	0	0.00			
5	18-19	Ecig	677	19.10					
5	18-19	Dual	0	0.00					
5	18-19	Former	99	2.79			1.12	67	67.68
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	946	10.46	0	0.00			
5	20-24	Ecig	1856	20.53					
5	20-24	Dual	0	0.00					
5	20-24	Former	451	4.99			2.91	125	27.72
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	1958	19.95					
5	25-29	Dual	0	0.00					
5	25-29	Former	1132	11.53			5.49	103	9.10
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

5	30-34	Never Any	5065	47.50					
5	30-34	CC	1480	13.88	0	0.00			
5	30-34	Ecig	2345	21.99					
5	30-34	Dual	0	0.00					
5	30-34	Former	1774	16.64			7.03	89	5.02
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2291	20.99					
5	35-39	Dual	0	0.00					
5	35-39	Former	2405	22.03			8.25	107	4.45
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1920	19.42					
5	40-44	Dual	0	0.00					
5	40-44	Former	2748	27.79			12.16	115	4.18
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1583	18.29					
5	45-49	Dual	0	0.00					
5	45-49	Former	2924	33.78			14.29	139	4.75
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	1045	16.04					
5	50-54	Dual	0	0.00					
5	50-54	Former	2611	40.08			16.15	156	5.97
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	772	14.10					
5	55-59	Dual	0	0.00					
5	55-59	Former	2354	42.98			17.27	118	5.01
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	595	11.94					
5	60-64	Dual	0	0.00					
5	60-64	Former	2454	49.25			17.43	126	5.13
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	382	7.79					
5	65-69	Dual	0	0.00					
5	65-69	Former	2877	58.65			20.59	182	6.33
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	203	4.63					
5	70-74	Dual	0	0.00					
5	70-74	Former	2723	62.07			22.05	131	4.81
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	139	3.97					
5	75-79	Dual	0	0.00					
5	75-79	Former	2096	59.90			23.06	93	4.44
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	4843	5.15	0	0.00			
10	All Ages	Ecig	21673	23.03					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	28399	30.18			17.30	1447	5.10
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	462	5.22	0	0.00			
10	20-24	Ecig	2684	30.34					
10	20-24	Dual	0	0.00					
10	20-24	Former	772	8.73			3.42	222	28.76
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	404	4.47	0	0.00			
10	25-29	Ecig	2460	27.21					
10	25-29	Dual	0	0.00					
10	25-29	Former	835	9.24			5.12	165	19.76
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	481	4.90	0	0.00			
10	30-34	Ecig	2672	27.22					
10	30-34	Dual	0	0.00					
10	30-34	Former	1387	14.13			8.92	97	6.99
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	3056	28.66					
10	35-39	Dual	0	0.00					
10	35-39	Former	2002	18.77			10.89	85	4.25
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	2936	26.90					
10	40-44	Dual	0	0.00					
10	40-44	Former	2689	24.63			12.08	92	3.42
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2400	24.27					
10	45-49	Dual	0	0.00					
10	45-49	Former	3064	30.98			15.59	139	4.54
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	1969	22.75					
10	50-54	Dual	0	0.00					
10	50-54	Former	3301	38.14			17.32	148	4.48
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1289	19.79					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2944	45.19			18.99	123	4.18
10	60-64	Never Any		1611	29.41					
10	60-64	CC		306	5.59	0	0.00			
10	60-64	Ecig		917	16.74					
10	60-64	Dual		0	0.00					
10	60-64	Former		2643	48.26			20.05	122	4.62
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		244	4.90	0	0.00			
10	65-69	Ecig		667	13.39					
10	65-69	Dual		0	0.00					
10	65-69	Former		2735	54.89			20.34	107	3.91
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		236	4.81	0	0.00			
10	70-74	Ecig		371	7.56					
10	70-74	Dual		0	0.00					
10	70-74	Former		3129	63.79			23.71	86	2.75
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		214	4.88	0	0.00			
10	75-79	Ecig		252	5.74					
10	75-79	Dual		0	0.00					
10	75-79	Former		2898	66.06			25.56	61	2.10
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		1911	2.13	0	0.00			
15	All Ages	Ecig		21622	24.10					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		28723	32.02			19.19	1292	4.50
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		179	2.02	0	0.00			
15	25-29	Ecig		2874	32.49					
15	25-29	Dual		0	0.00					
15	25-29	Former		1158	13.09			6.34	144	12.44
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		153	1.69	0	0.00			
15	30-34	Ecig		2661	29.44					
15	30-34	Dual		0	0.00					
15	30-34	Former		1184	13.10			7.68	145	12.25
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		188	1.92	0	0.00			

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15	35-39	Ecig	2794	28.46					
15	35-39	Dual	0	0.00					
15	35-39	Former	1671	17.02			11.89	116	6.94
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	3106	29.13					
15	40-44	Dual	0	0.00					
15	40-44	Former	2330	21.85			13.90	156	6.70
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	2961	27.13					
15	45-49	Dual	0	0.00					
15	45-49	Former	3015	27.62			15.44	131	4.34
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	2336	23.62					
15	50-54	Dual	0	0.00					
15	50-54	Former	3399	34.37			18.77	131	3.85
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	1965	22.70					
15	55-59	Dual	0	0.00					
15	55-59	Former	3563	41.17			20.85	82	2.30
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	1248	19.16					
15	60-64	Dual	0	0.00					
15	60-64	Former	3205	49.19			22.19	127	3.96
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	810	14.79					
15	65-69	Dual	0	0.00					
15	65-69	Former	2932	53.53			22.78	101	3.44
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	543	10.90					
15	70-74	Dual	0	0.00					
15	70-74	Former	2974	59.68			23.46	97	3.26
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	324	6.61					
15	75-79	Dual	0	0.00					
15	75-79	Former	3292	67.12			27.39	62	1.88
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	738	0.87	0	0.00			
20	All Ages	Ecig	19251	22.70					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	28708	33.85			20.72	1281	4.46
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	71	0.80	0	0.00			
20	30-34	Ecig	2682	30.32					
20	30-34	Dual	0	0.00					
20	30-34	Former	1584	17.91			8.78	190	11.99
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	59	0.65	0	0.00			
20	35-39	Ecig	2409	26.65					
20	35-39	Dual	0	0.00					
20	35-39	Former	1581	17.49			10.04	126	7.97
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2619	26.68					
20	40-44	Dual	0	0.00					
20	40-44	Former	1966	20.03			14.65	116	5.90
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	2876	26.97					
20	45-49	Dual	0	0.00					
20	45-49	Former	2702	25.34			16.59	133	4.92
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2736	25.06					
20	50-54	Dual	0	0.00					
20	50-54	Former	3369	30.86			18.50	149	4.42
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	2079	21.02					
20	55-59	Dual	0	0.00					
20	55-59	Former	3784	38.26			21.55	156	4.12
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1675	19.35					
20	60-64	Dual	0	0.00					
20	60-64	Former	3981	46.00			23.30	210	5.28
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	1009	15.49					
20	65-69	Dual	0	0.00					
20	65-69	Former	3527	54.14			24.90	111	3.15
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	693	12.65					
20	70-74	Dual	0	0.00					
20	70-74	Former	3104	56.67			26.37	56	1.80
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	473	9.49					
20	75-79	Dual	0	0.00					
20	75-79	Former	3110	62.41			27.33	34	1.09
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	289	0.36	0	0.00			
25	All Ages	Ecig	16551	20.74					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	28230	35.37			22.79	981	3.48
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	28	0.32	0	0.00			
25	35-39	Ecig	2347	26.53					
25	35-39	Dual	0	0.00					
25	35-39	Former	1981	22.40			11.48	125	6.31
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	20	0.22	0	0.00			
25	40-44	Ecig	2191	24.24					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1838	20.33			13.22	103	5.60
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5163	52.60					
25	45-49	CC	29	0.30	0	0.00			
25	45-49	Ecig	2433	24.79					
25	45-49	Dual	0	0.00					
25	45-49	Former	2191	22.32			17.87	72	3.29
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4997	46.86					
25	50-54	CC	37	0.35	0	0.00			
25	50-54	Ecig	2686	25.19					
25	50-54	Dual	0	0.00					
25	50-54	Former	2944	27.61			19.96	117	3.97
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4724	43.28					
25	55-59	CC	33	0.30	0	0.00			
25	55-59	Ecig	2432	22.28					
25	55-59	Dual	0	0.00					
25	55-59	Former	3727	34.14			21.45	134	3.60
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	28	0.28	0	0.00			
25	60-64	Ecig	1730	17.49					
25	60-64	Dual	0	0.00					
25	60-64	Former	4190	42.37			24.17	174	4.15
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	43	0.50	0	0.00			
25	65-69	Ecig	1326	15.32					
25	65-69	Dual	0	0.00					
25	65-69	Former	4374	50.54			25.95	130	2.97
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	35	0.54	0	0.00			
25	70-74	Ecig	821	12.60					
25	70-74	Dual	0	0.00					
25	70-74	Former	3740	57.41			28.32	74	1.98
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	36	0.66	0	0.00			
25	75-79	Ecig	585	10.68					
25	75-79	Dual	0	0.00					
25	75-79	Former	3245	59.25			30.10	52	1.60
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	33136	44.57					
30	All Ages	CC	100	0.13	0	0.00			
30	All Ages	Ecig	13910	18.71					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	27194	36.58			24.82	842	3.10
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	12	0.14	0	0.00			
30	40-44	Ecig	2127	24.05					
30	40-44	Dual	0	0.00					
30	40-44	Former	2217	25.07			14.94	94	4.24
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	5	0.06	0	0.00			
30	45-49	Ecig	2007	22.20					
30	45-49	Dual	0	0.00					
30	45-49	Former	2037	22.53			16.68	55	2.70
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	2290	23.33					
30	50-54	Dual	0	0.00					
30	50-54	Former	2354	23.98			21.41	79	3.36
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	2359	22.12					
30	55-59	Dual	0	0.00					
30	55-59	Former	3290	30.85			22.56	125	3.80
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	1986	18.19					
30	60-64	Dual	0	0.00					
30	60-64	Former	4196	38.44			23.70	206	4.91
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	1351	13.66					
30	65-69	Dual	0	0.00					
30	65-69	Former	4584	46.35			26.84	144	3.14
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	1091	12.61					
30	70-74	Dual	0	0.00					
30	70-74	Former	4634	53.54			29.33	92	1.99
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	699	10.73					
30	75-79	Dual	0	0.00					
30	75-79	Former	3882	59.59			32.19	47	1.21
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	38	0.06	0	0.00			
35	All Ages	Ecig	11322	16.69					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	25248	37.23			26.56	736	2.92
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	7	0.08	0	0.00			
35	45-49	Ecig	1938	21.91					
35	45-49	Dual	0	0.00					
35	45-49	Former	2411	27.26			18.53	54	2.24
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	3	0.03	0	0.00			
35	50-54	Ecig	1889	20.90					
35	50-54	Dual	0	0.00					
35	50-54	Former	2157	23.86			20.55	70	3.25
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1977	20.14					
35	55-59	Dual	0	0.00					
35	55-59	Former	2676	27.26			23.47	128	4.78
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	1943	18.22					
35	60-64	Dual	0	0.00					
35	60-64	Former	3715	34.84			24.63	175	4.71
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	1570	14.38					
35	65-69	Dual	0	0.00					
35	65-69	Former	4617	42.30			26.28	145	3.14
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	1110	11.22					
35	70-74	Dual	0	0.00					
35	70-74	Former	4833	48.87			30.31	84	1.74
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	895	10.34					
35	75-79	Dual	0	0.00					
35	75-79	Former	4839	55.91			32.96	80	1.65
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	15	0.03	0	0.00			
40	All Ages	Ecig	8728	14.75					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	22122	37.39			27.87	696	3.15
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any		4489	50.75					
40	50-54	CC		3	0.03	0	0.00			
40	50-54	Ecig		1799	20.34					
40	50-54	Dual		0	0.00					
40	50-54	Former		2554	28.88			22.30	73	2.86
Year of Follow-up: 2030, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any		4991	55.21					
40	55-59	CC		2	0.02	0	0.00			
40	55-59	Ecig		1654	18.30					
40	55-59	Dual		0	0.00					
40	55-59	Former		2393	26.47			23.24	94	3.93
Year of Follow-up: 2030, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any		5163	52.60					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		1569	15.98					
40	60-64	Dual		0	0.00					
40	60-64	Former		3084	31.42			24.94	192	6.23
Year of Follow-up: 2030, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any		4997	46.86					
40	65-69	CC		4	0.04	0	0.00			
40	65-69	Ecig		1522	14.27					
40	65-69	Dual		0	0.00					
40	65-69	Former		4141	38.83			26.80	151	3.65
Year of Follow-up: 2030, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any		4724	43.28					
40	70-74	CC		3	0.03	0	0.00			
40	70-74	Ecig		1274	11.67					
40	70-74	Dual		0	0.00					
40	70-74	Former		4915	45.03			29.52	106	2.16
Year of Follow-up: 2030, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any		3941	39.85					
40	75-79	CC		3	0.03	0	0.00			

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40	75-79	Ecig	910	9.20					
40	75-79	Dual	0	0.00					
40	75-79	Former	5035	50.92			33.98	80	1.59
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	6	0.01	0	0.00			
45	All Ages	Ecig	6468	13.12					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	18443	37.42			28.94	542	2.94
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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45	55-59	Never Any	4489	50.75					
45	55-59	CC	2	0.02	0	0.00			
45	55-59	Ecig	1577	17.83					
45	55-59	Dual	0	0.00					
45	55-59	Former	2777	31.40			25.25	108	3.89
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	1376	15.22					
45	60-64	Dual	0	0.00					
45	60-64	Former	2673	29.57			25.48	117	4.38
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	1239	12.62					
45	65-69	Dual	0	0.00					
45	65-69	Former	3414	34.78			27.26	116	3.40
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	1256	11.78					
45	70-74	Dual	0	0.00					
45	70-74	Former	4410	41.35			29.99	100	2.27
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	1020	9.34					
45	75-79	Dual	0	0.00					
45	75-79	Former	5169	47.35			32.92	101	1.95
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	4298	11.20					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	14426	37.60			29.97	430	2.98
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	1263	14.28					
50	60-64	Dual	0	0.00					
50	60-64	Former	3093	34.97			27.37	126	4.07
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	1054	11.66					
50	65-69	Dual	0	0.00					
50	65-69	Former	2995	33.13			27.43	126	4.21
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	980	9.98					
50	70-74	Dual	0	0.00					
50	70-74	Former	3673	37.42			30.14	84	2.29
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	1001	9.39					
50	75-79	Dual	0	0.00					
50	75-79	Former	4665	43.75			33.19	94	2.02

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	3002954.890	1506436	11.457	33.407	3806.31	1305.37	869.290	436.081

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308577	122014.015	120877.521	1136.494	0.368	0.931	4729.73	1870.18	1852.76	17.420
1993	311713	122810.618	120676.279	2134.339	0.685	1.738	4692.62	1848.83	1816.70	32.131
1994	305700	119925.592	116644.610	3280.982	1.073	2.736	4516.19	1771.69	1723.22	48.471
1995	303225	117896.496	113274.763	4621.733	1.524	3.920	4393.80	1708.35	1641.38	66.970
1996	299559	115698.645	109600.772	6097.873	2.036	5.270	4273.16	1650.42	1563.44	86.985
1997	294226	113359.847	105776.737	7583.110	2.577	6.689	4128.67	1590.70	1484.29	106.409
1998	289258	111444.212	102372.538	9071.674	3.136	8.140	3992.19	1538.10	1412.89	125.203
1999	311002	114877.722	102745.506	12132.22	3.901	10.561	4224.60	1560.48	1395.68	164.802
2000	303786	112379.704	98539.778	13839.93	4.556	12.315	4066.21	1504.22	1318.97	185.249
2001	296294	110024.943	94360.435	15664.51	5.287	14.237	3914.28	1453.52	1246.58	206.941
2002	291898	108289.173	90577.236	17711.94	6.068	16.356	3813.00	1414.56	1183.19	231.367
2003	285865	106539.023	87018.811	19520.21	6.828	18.322	3695.36	1377.22	1124.89	252.336
2004	274177	103037.251	82196.151	20841.10	7.601	20.227	3506.10	1317.61	1051.10	266.510
2005	272379	103044.562	80299.555	22745.01	8.350	22.073	3442.69	1302.41	1014.93	287.482
2006	264118	99672.555	75307.767	24364.79	9.225	24.445	3307.76	1248.28	943.139	305.140
2007	258419	97839.152	72116.672	25722.48	9.954	26.291	3203.20	1212.75	893.912	318.839
2008	259461	98075.852	70632.115	27443.74	10.577	27.982	3180.09	1202.07	865.705	336.365
2009	253907	95617.338	66977.757	28639.58	11.280	29.952	3075.31	1158.11	811.232	346.882
2010	251878	94607.988	64625.862	29982.13	11.903	31.691	3013.72	1131.98	773.248	358.736
2011	251779	93633.119	62006.951	31626.17	12.561	33.777	2982.76	1109.25	734.581	374.668
2012	252643	92775.175	59541.126	33234.05	13.155	35.822	2960.61	1087.19	697.735	389.454
2013	256175	92345.780	57463.291	34882.49	13.617	37.774	2967.76	1069.82	665.706	404.110
2014	257393	91379.215	55125.245	36253.97	14.085	39.674	2947.05	1046.26	631.163	415.094
2015	259782	90750.242	53262.421	37487.82	14.430	41.309	3346.10	1168.90	686.042	482.859
2016	261453	88811.996	50055.534	38756.46	14.823	43.639	3336.15	1133.24	638.711	494.534
2017	263685	87325.126	47451.762	39873.36	15.122	45.661	3333.85	1104.08	599.948	504.131
2018	258714	87612.144	46740.213	40871.93	15.798	46.651	3240.73	1097.46	585.482	511.974
2019	261438	87797.760	45450.722	42347.04	16.198	48.232	3242.99	1089.08	563.791	525.291
2020	262288	87221.042	44030.719	43190.32	16.467	49.518	3715.29	1235.48	623.692	611.787
2021	255079	82001.292	39273.260	42728.03	16.751	52.107	3587.82	1153.39	552.398	600.991
2022	257097	81915.977	37834.368	44081.61	17.146	53.813	3588.53	1143.37	528.088	615.287
2023	259080	81810.810	36437.065	45373.74	17.513	55.462	3586.88	1132.64	504.460	628.185
2024	260719	81528.303	35051.869	46476.43	17.826	57.007	3579.65	1119.38	481.260	638.118
2025	257308	79599.213	33403.642	46195.57	17.953	58.035	4112.08	1272.09	533.829	738.259
2026	251528	75082.462	29753.663	45328.80	18.021	60.372	4003.24	1194.99	473.550	721.439
2027	250988	74444.425	28302.436	46141.99	18.384	61.982	3976.53	1179.46	448.410	731.051
2028	250285	73699.585	26779.492	46920.09	18.747	63.664	3945.35	1161.76	422.137	739.622
2029	249525	72819.703	25316.889	47502.81	19.037	65.233	3910.99	1141.36	396.810	744.546
2030	240528	69309.277	23622.937	45686.34	18.994	65.917	4504.36	1297.95	442.385	855.565
2031	235442	65433.368	21013.049	44420.32	18.867	67.886	4397.65	1222.18	392.487	829.694
2032	234017	64643.552	19813.078	44830.47	19.157	69.350	4356.12	1203.31	368.811	834.498
2033	232559	63793.514	18687.035	45106.48	19.396	70.707	4310.93	1182.54	346.400	836.136
2034	230963	63032.151	17622.464	45409.69	19.661	72.042	4260.75	1162.80	325.094	837.706
2035	215822	57653.301	16068.252	41585.05	19.268	72.130	4924.38	1315.47	366.628	948.843
2036	208183	52988.733	13553.926	39434.81	18.942	74.421	4748.94	1208.75	309.184	899.562
2037	205491	52026.921	12634.899	39392.02	19.170	75.715	4682.40	1185.50	287.903	897.600
2038	202834	50943.211	11729.791	39213.42	19.333	76.975	4612.18	1158.38	266.720	891.663
2039	200251	50085.991	10959.610	39126.38	19.539	78.118	4538.65	1135.19	248.398	886.793

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1731520.944	513467.2	16.747	22.872	887.537	649.875	501.238	148.638

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77987	62366.766	62237.604	129.162	0.166	0.207	1195.35	955.930	953.950	1.980
1993	78542	62652.888	62398.634	254.253	0.324	0.406	1182.39	943.195	939.367	3.828
1994	77437	61565.227	61164.135	401.092	0.518	0.651	1144.00	909.520	903.595	5.925
1995	76904	60851.961	60268.494	583.467	0.759	0.959	1114.36	881.759	873.304	8.455
1996	76232	60122.922	59309.741	813.181	1.067	1.353	1087.44	857.643	846.043	11.600
1997	75473	59237.155	58177.087	1060.068	1.405	1.790	1059.06	831.234	816.359	14.875
1998	75381	58906.696	57540.370	1366.326	1.813	2.319	1040.37	813.001	794.143	18.857
1999	73159	56930.073	55263.139	1666.934	2.279	2.928	993.781	773.329	750.686	22.643
2000	73784	57137.121	55078.573	2058.548	2.790	3.603	987.608	764.787	737.233	27.554
2001	73294	56481.726	53981.611	2500.115	3.411	4.426	968.273	746.169	713.141	33.029
2002	72442	55588.365	52624.353	2964.013	4.092	5.332	946.293	726.138	687.420	38.718
2003	71942	54945.856	51468.381	3477.475	4.834	6.329	929.989	710.281	665.328	44.953
2004	71301	54203.126	50160.440	4042.686	5.670	7.458	911.778	693.135	641.438	51.697
2005	70964	53744.603	49117.716	4626.887	6.520	8.609	896.937	679.296	620.815	58.481
2006	69658	52535.572	47295.976	5239.595	7.522	9.973	872.383	657.945	592.325	65.620
2007	68565	51492.124	45647.722	5844.402	8.524	11.350	849.888	638.264	565.820	72.443
2008	68226	51030.736	44452.731	6578.005	9.641	12.890	836.215	625.460	544.837	80.624
2009	67509	50276.199	42965.656	7310.543	10.829	14.541	817.667	608.943	520.398	88.545
2010	67196	49840.933	41796.475	8044.457	11.972	16.140	804.000	596.347	500.095	96.252
2011	66506	49072.841	40220.905	8851.936	13.310	18.038	787.880	581.354	476.487	104.867
2012	66155	48539.512	38822.122	9717.390	14.689	20.020	775.240	568.812	454.939	113.874
2013	65333	47675.741	37188.469	10487.27	16.052	21.997	756.876	552.318	430.824	121.494
2014	65033	47194.534	35906.839	11287.69	17.357	23.917	744.602	540.359	411.119	129.240
2015	64145	46305.842	34323.564	11982.28	18.680	25.876	826.215	596.439	442.102	154.337
2016	61618	44208.867	31826.237	12382.63	20.096	28.009	786.248	564.107	406.104	158.003
2017	59897	42702.624	29852.900	12849.72	21.453	30.091	757.297	539.903	377.440	162.463
2018	62468	44321.202	29895.101	14426.10	23.094	32.549	782.490	555.181	374.475	180.706
2019	63045	44493.088	29019.386	15473.70	24.544	34.778	782.035	551.912	359.969	191.943
2020	63466	44529.551	28081.218	16448.33	25.917	36.938	898.991	630.757	397.768	232.989
2021	57113	39852.556	24186.393	15666.16	27.430	39.310	803.323	560.546	340.194	220.352
2022	57440	39853.685	23217.089	16636.60	28.963	41.744	801.745	556.274	324.062	232.212
2023	57738	39847.050	22259.091	17587.96	30.462	44.139	799.366	551.670	308.170	243.500
2024	57942	39726.010	21294.315	18431.70	31.811	46.397	795.539	545.435	292.370	253.066
2025	57521	39207.348	20213.294	18994.05	33.021	48.445	919.257	626.579	323.032	303.547
2026	51428	34803.960	17155.963	17648.00	34.316	50.707	818.510	553.929	273.049	280.880
2027	51172	34484.595	16198.419	18286.18	35.735	53.027	810.740	546.357	256.640	289.717
2028	50870	34100.638	15214.136	18886.50	37.127	55.385	801.884	537.544	239.827	297.716
2029	50540	33669.838	14279.161	19390.68	38.367	57.591	792.146	527.732	223.808	303.924
2030	49109	32557.688	13255.292	19302.40	39.305	59.287	919.662	609.705	248.231	361.474
2031	43585	28646.393	11112.929	17533.46	40.228	61.207	814.096	535.065	207.570	327.495
2032	43163	28227.160	10390.216	17836.94	41.325	63.191	803.454	525.435	193.409	332.026
2033	42725	27786.623	9716.956	18069.67	42.293	65.030	791.996	515.079	180.123	334.956
2034	42256	27348.299	9090.082	18258.22	43.209	66.762	779.523	504.514	167.691	336.823
2035	39748	25570.077	8244.667	17325.41	43.588	67.757	906.933	583.430	188.118	395.312
2036	34030	21717.319	6524.214	15193.11	44.646	69.958	776.269	495.402	148.826	346.576
2037	33454	21256.024	6045.223	15210.80	45.468	71.560	762.289	484.347	137.748	346.598
2038	32883	20747.175	5583.522	15163.65	46.114	73.088	747.720	471.764	126.962	344.802
2039	32325	20327.688	5198.380	15129.31	46.804	74.427	732.644	460.724	117.820	342.903

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6360041	1098877.421	520754.837	578122.6	9.090	52.610	1841.09	318.101	150.747	167.354

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000	
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164548	36137.488	35293.152	844.336	0.513	2.336	2522.12	553.899	540.958	12.942
1993	164362	35599.588	34036.668	1562.920	0.951	4.390	2474.35	535.926	512.398	23.529
1994	159866	34336.757	31951.921	2384.836	1.492	6.945	2361.75	507.267	472.035	35.232
1995	158083	33455.759	30122.201	3333.558	2.109	9.964	2290.66	484.782	436.478	48.304
1996	154875	32193.824	27854.145	4339.679	2.802	13.480	2209.26	459.239	397.334	61.905
1997	149970	30665.509	25351.469	5314.041	3.543	17.329	2104.43	430.308	355.740	74.568
1998	145407	29188.430	22962.678	6225.753	4.282	21.330	2006.83	402.844	316.919	85.925
1999	165952	33375.386	24715.348	8660.037	5.218	25.947	2254.27	453.366	335.729	117.637
2000	160260	32024.754	22330.485	9694.269	6.049	30.271	2145.10	428.655	298.896	129.759
2001	154444	30682.393	19915.308	10767.09	6.972	35.092	2040.33	405.339	263.097	142.242
2002	151887	30218.370	18193.394	12024.98	7.917	39.794	1984.06	394.736	237.656	157.079
2003	146733	29175.202	16224.414	12950.79	8.826	44.390	1896.81	377.146	209.732	167.414
2004	138381	27488.687	14060.864	13427.82	9.704	48.849	1769.58	351.518	179.807	171.711
2005	135881	27017.439	12728.080	14289.36	10.516	52.889	1717.44	341.482	160.874	180.608
2006	131922	26231.435	11210.210	15021.23	11.386	57.264	1652.16	328.517	140.394	188.123
2007	126502	25103.049	9777.209	15325.84	12.115	61.052	1568.04	311.161	121.192	189.969
2008	125859	24621.740	8820.338	15801.40	12.555	64.177	1542.60	301.777	108.107	193.671
2009	122428	23741.177	7791.729	15949.45	13.028	67.181	1482.84	287.552	94.373	193.179
2010	120537	23189.160	6994.080	16195.08	13.436	69.839	1442.22	277.458	83.684	193.774
2011	120221	22786.927	6252.299	16534.63	13.754	72.562	1424.23	269.951	74.069	195.882
2012	120927	22485.295	5651.336	16833.96	13.921	74.867	1417.09	263.495	66.225	197.269
2013	122648	22251.884	5147.211	17104.67	13.946	76.868	1420.86	257.786	59.630	198.156
2014	123229	21894.593	4668.826	17225.77	13.979	78.676	1410.92	250.685	53.456	197.228
2015	123774	21471.109	4252.983	17218.13	13.911	80.192	1594.26	276.557	54.780	221.777
2016	126218	21411.568	3886.559	17525.01	13.885	81.848	1610.55	273.213	49.593	223.620
2017	128265	21169.399	3557.036	17612.36	13.731	83.197	1621.69	267.651	44.973	222.679
2018	121429	19830.576	3059.193	16771.38	13.812	84.573	1521.05	248.404	38.320	210.083
2019	121832	19431.014	2805.355	16625.66	13.646	85.562	1511.26	241.031	34.799	206.232
2020	120811	18532.612	2521.370	16011.24	13.253	86.395	1711.27	262.513	35.715	226.798
2021	119407	18234.128	2292.416	15941.71	13.351	87.428	1679.51	256.472	32.244	224.228
2022	119438	17812.559	2099.433	15713.13	13.156	88.214	1667.10	248.626	29.304	219.322
2023	119445	17361.668	1924.646	15437.02	12.924	88.914	1653.68	240.367	26.646	213.721
2024	119305	16929.676	1784.879	15144.80	12.694	89.457	1638.05	232.443	24.506	207.937
2025	115685	15501.666	1570.118	13931.55	12.043	89.871	1848.78	247.735	25.092	222.642
2026	115073	15523.814	1494.975	14028.84	12.191	90.370	1831.46	247.072	23.794	223.279
2027	113989	15073.070	1400.270	13672.80	11.995	90.710	1805.98	238.810	22.185	216.625
2028	112855	14636.710	1305.191	13331.52	11.813	91.083	1778.98	230.725	20.574	210.151
2029	111718	14180.166	1225.007	12955.16	11.596	91.361	1751.04	222.256	19.200	203.056
2030	104851	12111.772	1021.752	11090.02	10.577	91.564	1963.54	226.816	19.134	207.682
2031	105289	12417.367	1029.965	11387.40	10.815	91.705	1966.62	231.935	19.238	212.697
2032	103879	12054.064	979.038	11075.03	10.661	91.878	1933.67	224.381	18.224	206.156
2033	102485	11672.389	924.808	10747.58	10.487	92.077	1899.76	216.370	17.143	199.227
2034	101070	11365.762	886.043	10479.72	10.369	92.204	1864.51	209.673	16.345	193.327
2035	90820	8580.360	652.862	7927.498	8.729	92.391	2072.23	195.777	14.896	180.881
2036	92117	8948.841	671.363	8277.478	8.986	92.498	2101.31	204.135	15.315	188.821
2037	90327	8624.570	646.873	7977.697	8.832	92.500	2058.21	196.522	14.740	181.782
2038	88590	8315.017	615.848	7699.169	8.691	92.594	2014.42	189.073	14.004	175.069
2039	86921	8001.132	585.753	7415.378	8.531	92.679	1970.05	181.344	13.276	168.068

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	1489699	149918.462	70251.296	79667.17	5.348	53.140	431.236	43.398	20.336	23.062

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	0.000	
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.527	105.045	0.327	2.359	492.014	68.262	66.652	1.610
1993	32896	4462.473	4264.035	198.438	0.603	4.447	495.226	67.179	64.192	2.987
1994	33323	4499.513	4186.362	313.151	0.940	6.960	492.290	66.473	61.846	4.626
1995	33569	4472.774	4028.853	443.921	1.322	9.925	486.422	64.812	58.379	6.433
1996	33870	4406.878	3818.455	588.423	1.737	13.352	483.150	62.863	54.470	8.394
1997	33516	4288.158	3553.200	734.958	2.193	17.139	470.307	60.173	49.860	10.313
1998	32795	4120.148	3251.409	868.739	2.649	21.085	452.620	56.864	44.874	11.990
1999	33375	3982.443	2980.608	1001.835	3.002	25.156	453.361	54.097	40.488	13.609
2000	33459	4021.411	2844.127	1177.285	3.519	29.275	447.853	53.827	38.069	15.758
2001	32275	3848.092	2552.966	1295.126	4.013	33.656	426.379	50.836	33.727	17.110
2002	31586	3783.081	2350.258	1432.823	4.536	37.874	412.601	49.418	30.701	18.717
2003	30985	3754.415	2169.120	1585.295	5.116	42.225	400.541	48.533	28.040	20.493
2004	29884	3666.274	1966.027	1700.247	5.689	46.375	382.149	46.883	25.141	21.742
2005	28708	3589.688	1780.080	1809.608	6.303	50.411	362.850	45.371	22.499	22.872
2006	28188	3596.985	1637.202	1959.783	6.953	54.484	353.021	45.048	20.504	24.544
2007	28026	3560.798	1490.129	2070.668	7.388	58.152	347.392	44.137	18.471	25.667
2008	27128	3417.001	1314.838	2102.163	7.749	61.521	332.495	41.881	16.115	25.765
2009	27068	3394.390	1200.685	2193.704	8.104	64.627	327.847	41.113	14.543	26.570
2010	26911	3340.137	1090.853	2249.285	8.358	67.341	321.990	39.965	13.052	26.913
2011	26959	3285.435	987.485	2297.950	8.524	69.944	319.377	38.922	11.698	27.223
2012	27057	3259.209	895.546	2363.663	8.736	72.523	317.068	38.193	10.494	27.699
2013	27904	3274.703	826.969	2447.734	8.772	74.747	323.265	37.937	9.580	28.357
2014	28792	3298.083	763.698	2534.385	8.802	76.844	329.657	37.762	8.744	29.018
2015	29560	3244.406	697.072	2547.334	8.618	78.515	380.745	41.789	8.979	32.811
2016	30513	3314.836	655.555	2659.282	8.715	80.224	389.347	42.297	8.365	33.933
2017	31416	3333.314	608.247	2725.067	8.674	81.752	397.202	42.144	7.690	34.454
2018	29348	2925.242	498.180	2427.061	8.270	82.970	367.626	36.642	6.240	30.402
2019	29598	2864.628	455.237	2409.391	8.140	84.108	367.149	35.534	5.647	29.887
2020	29592	2730.366	406.978	2323.389	7.851	85.094	419.174	38.675	5.765	32.911
2021	30097	2647.911	368.980	2278.931	7.572	86.065	423.328	37.244	5.190	32.054
2022	30304	2586.165	336.393	2249.771	7.424	86.993	422.974	36.097	4.695	31.402
2023	30505	2517.960	307.357	2210.604	7.247	87.793	422.337	34.860	4.255	30.605
2024	30661	2454.161	283.538	2170.623	7.080	88.447	420.968	33.695	3.893	29.803
2025	30254	2275.364	250.123	2025.241	6.694	89.007	483.488	36.363	3.997	32.366
2026	30685	2183.166	228.530	1954.636	6.370	89.532	488.380	34.747	3.637	31.109
2027	30561	2112.345	211.963	1900.382	6.218	89.966	484.196	33.467	3.358	30.109
2028	30412	2046.677	196.889	1849.787	6.083	90.380	479.392	32.263	3.104	29.159
2029	30254	1977.671	183.286	1794.386	5.931	90.732	474.195	30.997	2.873	28.125
2030	29330	1744.457	157.103	1587.354	5.412	90.994	549.260	32.668	2.942	29.726
2031	28976	1653.738	145.183	1508.555	5.206	91.221	541.223	30.889	2.712	28.177
2032	28724	1603.120	136.250	1466.870	5.107	91.501	534.690	29.841	2.536	27.305
2033	28464	1548.245	128.353	1419.892	4.988	91.710	527.627	28.700	2.379	26.320
2034	28178	1511.985	122.573	1389.412	4.931	91.893	519.826	27.893	2.261	25.632
2035	26737	1239.866	98.859	1141.007	4.267	92.027	610.065	28.290	2.256	26.034
2036	25591	1182.522	92.418	1090.104	4.260	92.185	583.762	26.975	2.108	24.867
2037	25143	1134.483	88.599	1045.884	4.160	92.190	572.916	25.851	2.019	23.832
2038	24693	1093.537	84.087	1009.450	4.088	92.311	561.491	24.866	1.912	22.954
2039	24247	1047.905	79.436	968.469	3.994	92.420	549.553	23.751	1.800	21.950

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	680427.813	335178.8	15.009	33.003	646.447	293.996	196.969	97.027

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.238	57.951	0.171	0.304	520.248	292.085	291.196	0.888
1993	35913	20095.670	19976.941	118.728	0.331	0.591	540.645	302.526	300.739	1.787
1994	35074	19524.095	19342.191	181.903	0.519	0.932	518.158	288.435	285.748	2.687
1995	34669	19116.002	18855.216	260.786	0.752	1.364	502.362	276.995	273.216	3.779
1996	34582	18975.021	18618.431	356.590	1.031	1.879	493.306	270.675	265.589	5.087
1997	35267	19169.025	18694.981	474.044	1.344	2.473	494.878	268.986	262.334	6.652
1998	35675	19228.937	18618.081	610.856	1.712	3.177	492.368	265.388	256.957	8.431
1999	38516	20589.820	19786.411	803.409	2.086	3.902	523.195	279.689	268.776	10.913
2000	36283	19196.417	18286.593	909.825	2.508	4.740	485.652	256.946	244.768	12.178
2001	36281	19012.731	17910.550	1102.181	3.038	5.797	479.301	251.174	236.613	14.561
2002	35983	18699.357	17409.230	1290.127	3.585	6.899	470.038	244.265	227.413	16.853
2003	36205	18663.550	17156.896	1506.654	4.161	8.073	468.019	241.262	221.786	19.476
2004	34611	17679.164	16008.820	1670.343	4.826	9.448	442.596	226.076	204.716	21.360
2005	36826	18692.832	16673.679	2019.153	5.483	10.802	465.456	236.265	210.744	25.521
2006	34350	17308.564	15164.379	2144.184	6.242	12.388	430.192	216.769	189.916	26.853
2007	35326	17683.181	15201.611	2481.570	7.025	14.034	437.879	219.189	188.429	30.760
2008	38248	19006.374	16044.209	2962.166	7.745	15.585	468.788	232.952	196.646	36.306
2009	36902	18205.573	15019.687	3185.885	8.633	17.500	446.956	220.505	181.918	38.587
2010	37234	18237.758	14744.453	3493.305	9.382	19.154	445.505	218.215	176.417	41.797
2011	38093	18487.916	14546.262	3941.655	10.347	21.320	451.279	219.022	172.326	46.696
2012	38504	18491.158	14172.123	4319.036	11.217	23.357	451.211	216.689	166.077	50.613
2013	40290	19143.452	14300.642	4842.810	12.020	25.297	466.755	221.775	165.671	56.103
2014	40339	18992.005	13785.881	5206.124	12.906	27.412	461.866	217.451	157.843	59.608
2015	42303	19728.885	13988.802	5740.083	13.569	29.095	544.880	254.116	180.182	73.935
2016	43104	19876.724	13687.184	6189.541	14.360	31.140	550.009	253.628	174.649	78.979
2017	44107	20119.790	13433.579	6686.211	15.159	33.232	557.659	254.381	169.845	84.536
2018	45469	20535.123	13287.738	7247.385	15.939	35.293	569.564	257.229	166.446	90.783
2019	46963	21009.029	13170.744	7838.285	16.690	37.309	582.552	260.605	163.376	97.230
2020	48419	21428.512	13021.153	8407.359	17.364	39.234	685.853	303.533	184.444	119.090
2021	48463	21266.697	12425.472	8841.225	18.243	41.573	681.652	299.127	174.770	124.356
2022	49915	21663.568	12181.453	9482.115	18.996	43.770	696.712	302.378	170.027	132.350
2023	51391	22084.131	11945.971	10138.16	19.728	45.907	711.491	305.748	165.388	140.360
2024	52811	22418.456	11689.138	10729.32	20.316	47.859	725.093	307.804	160.491	147.313
2025	53848	22614.834	11370.106	11244.73	20.882	49.723	860.553	361.411	181.707	179.704
2026	54342	22571.522	10874.194	11697.33	21.525	51.823	864.886	359.241	173.070	186.171
2027	55267	22774.416	10491.784	12282.63	22.224	53.932	875.619	360.827	166.227	194.600
2028	56149	22915.561	10063.276	12852.29	22.890	56.085	885.102	361.228	158.632	202.596
2029	57014	22992.027	9629.435	13362.59	23.438	58.118	893.616	360.371	150.929	209.442
2030	57238	22895.360	9188.791	13706.57	23.946	59.866	1071.90	428.760	172.078	256.682
2031	57592	22715.871	8724.972	13990.90	24.293	61.591	1075.71	424.293	162.967	261.326
2032	58251	22759.207	8307.574	14451.63	24.809	63.498	1084.31	423.652	154.641	269.010
2033	58885	22786.258	7916.919	14869.34	25.252	65.256	1091.54	422.387	146.755	275.632
2034	59460	22806.106	7523.767	15282.34	25.702	67.010	1096.89	420.721	138.796	281.924
2035	58516	22262.998	7071.863	15191.13	25.961	68.235	1335.15	507.973	161.358	346.615
2036	56446	21140.051	6265.931	14874.12	26.351	70.360	1287.60	482.234	142.934	339.299
2037	56568	21011.845	5854.203	15157.64	26.795	72.139	1288.98	478.783	133.396	345.387
2038	56668	20787.483	5446.334	15341.15	27.072	73.800	1288.55	472.681	123.843	348.838
2039	56758	20709.267	5096.040	15613.23	27.509	75.392	1286.40	469.372	115.501	353.871

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13290159	4509390.583	3021060.715	1488330	11.199	33.005	3815.45	1305.37	867.312	438.058

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308580	122014.015	120878.639	1135.376	0.368	0.931	4729.74	1870.18	1852.76	17.415
1993	311723	122810.618	120680.264	2130.354	0.683	1.735	4692.65	1848.83	1816.71	32.115
1994	305723	119925.592	116653.775	3271.817	1.070	2.728	4516.28	1771.69	1723.26	48.434
1995	303268	117896.496	113291.382	4605.114	1.518	3.906	4393.95	1708.35	1641.44	66.904
1996	299629	115698.645	109627.300	6071.345	2.026	5.248	4273.40	1650.42	1563.54	86.881
1997	294330	113359.847	105815.701	7544.145	2.563	6.655	4129.04	1590.70	1484.45	106.256
1998	289404	111444.212	102426.434	9017.778	3.116	8.092	3992.71	1538.10	1413.11	124.990
1999	311218	114877.722	102819.561	12058.16	3.875	10.497	4225.39	1560.48	1395.98	164.504
2000	304071	112379.704	98635.680	13744.02	4.520	12.230	4067.26	1504.22	1319.35	184.862
2001	296653	110024.943	94479.054	15545.89	5.240	14.129	3915.60	1453.52	1247.05	206.465
2002	292344	108289.173	90720.782	17568.39	6.009	16.224	3814.65	1414.56	1183.77	230.788
2003	286404	106539.023	87188.676	19350.35	6.756	18.163	3697.36	1377.22	1125.57	251.652
2004	274803	103037.251	82390.109	20647.14	7.513	20.039	3508.44	1317.61	1051.88	265.729
2005	273118	103044.562	80524.263	22520.30	8.246	21.855	3445.46	1302.41	1015.84	286.577
2006	264958	99672.555	75554.468	24118.09	9.103	24.197	3310.93	1248.28	944.134	304.145
2007	259372	97839.152	72390.086	25449.07	9.812	26.011	3206.82	1212.75	895.016	317.736
2008	260558	98075.852	70938.657	27137.19	10.415	27.670	3184.28	1202.07	866.943	335.128
2009	255128	95617.338	67308.539	28308.80	11.096	29.606	3080.01	1158.11	812.574	345.539
2010	253241	94607.988	64985.476	29622.51	11.697	31.311	3018.97	1131.98	774.713	357.271
2011	253302	93633.119	62392.796	31240.32	12.333	33.365	2988.69	1109.25	736.168	373.081
2012	254341	92775.175	59952.644	32822.53	12.905	35.379	2967.27	1087.19	699.437	387.753
2013	258080	92345.780	57902.900	34442.88	13.346	37.298	2975.30	1069.82	667.539	402.277
2014	259500	91379.215	55590.393	35788.82	13.791	39.165	2955.45	1046.26	633.120	413.137
2015	262120	90750.242	53755.238	36995.00	14.114	40.766	3354.41	1168.90	687.917	480.984
2016	264016	88811.996	50560.877	38251.12	14.488	43.070	3345.36	1133.24	640.659	492.586
2017	266495	87325.126	47972.340	39352.79	14.767	45.065	3344.10	1104.08	601.980	502.099
2018	261685	87612.144	47294.799	40317.34	15.407	46.018	3251.61	1097.46	587.669	509.788
2019	264675	87797.760	46032.746	41765.01	15.780	47.570	3254.99	1089.08	566.115	522.967
2020	265804	87221.042	44638.995	42582.05	16.020	48.821	3726.29	1235.48	625.791	609.688
2021	258731	82001.292	39855.589	42145.70	16.289	51.396	3599.36	1153.39	554.455	598.934
2022	261020	81915.977	38432.920	43483.06	16.659	53.083	3601.17	1143.37	530.241	613.134
2023	263287	81810.810	37050.845	44759.96	17.000	54.712	3600.69	1132.64	506.705	625.940
2024	265217	81528.303	35679.618	45848.68	17.287	56.237	3594.71	1119.38	483.596	635.782
2025	262082	79599.213	34041.744	45557.47	17.383	57.234	4124.90	1272.09	535.783	736.305
2026	256442	75082.462	30356.904	44725.56	17.441	59.569	4016.58	1194.99	475.472	719.517
2027	256159	74444.425	28908.277	45536.15	17.777	61.168	3991.04	1179.46	450.401	729.060
2028	255714	73699.585	27384.403	46315.18	18.112	62.843	3961.09	1161.76	424.193	737.567
2029	255217	72819.703	25918.909	46900.79	18.377	64.407	3928.02	1141.36	398.915	742.442
2030	246418	69309.277	24219.627	45089.65	18.298	65.056	4518.22	1297.95	444.082	853.867
2031	241439	65433.368	21568.120	43865.25	18.168	67.038	4411.67	1222.18	394.101	828.080
2032	240246	64643.552	20360.465	44283.09	18.432	68.503	4371.32	1203.31	370.462	832.847
2033	239019	63793.514	19226.862	44566.65	18.646	69.861	4327.34	1182.54	348.095	834.442
2034	237650	63032.151	18154.141	44878.01	18.884	71.199	4278.40	1162.80	326.829	835.971
2035	222518	57653.301	16582.733	41070.57	18.457	71.237	4939.08	1315.47	368.075	947.396
2036	214806	52988.733	14000.265	38988.47	18.151	73.579	4762.40	1208.75	310.396	898.350
2037	212256	52026.921	13065.721	38961.20	18.356	74.887	4696.72	1185.50	289.114	896.389
2038	209735	50943.211	12143.717	38799.49	18.499	76.162	4627.39	1158.38	267.927	890.456
2039	207285	50085.991	11358.962	38727.03	18.683	77.321	4554.75	1135.19	249.595	885.596

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3095450	2244988.113	1742176.815	502811.3	16.244	22.397	888.669	649.875	500.159	149.716

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77988	62366.766	62238.185	128.581	0.165	0.206	1195.35	955.930	953.952	1.977
1993	78545	62652.888	62400.708	252.180	0.321	0.403	1182.40	943.195	939.375	3.819
1994	77443	61565.227	61168.972	396.255	0.512	0.644	1144.02	909.520	903.615	5.906
1995	76915	60851.961	60277.386	574.575	0.747	0.944	1114.40	881.759	873.340	8.419
1996	76250	60122.922	59324.175	798.746	1.048	1.329	1087.51	857.643	846.101	11.542
1997	75501	59237.155	58198.630	1038.525	1.376	1.753	1059.17	831.234	816.445	14.789
1998	75421	58906.696	57570.840	1335.856	1.771	2.268	1040.53	813.001	794.265	18.735
1999	73212	56930.073	55303.223	1626.850	2.222	2.858	993.996	773.329	750.850	22.479
2000	73856	57137.121	55132.435	2004.686	2.714	3.509	987.899	764.787	737.453	27.334
2001	73386	56481.726	54049.831	2431.896	3.314	4.306	968.645	746.169	713.418	32.752
2002	72557	55588.365	52708.282	2880.083	3.969	5.181	946.761	726.138	687.763	38.375
2003	72083	54945.856	51569.376	3376.481	4.684	6.145	930.558	710.281	665.739	44.542
2004	71470	54203.126	50279.469	3923.657	5.490	7.239	912.460	693.135	641.924	51.211
2005	71163	53744.603	49256.013	4488.590	6.307	8.352	897.743	679.296	621.379	57.917
2006	69887	52535.572	47451.923	5083.648	7.274	9.677	873.311	657.945	592.963	64.982
2007	68826	51492.124	45821.959	5670.164	8.238	11.012	850.949	638.264	566.533	71.731
2008	68523	51030.736	44646.966	6383.769	9.316	12.510	837.423	625.460	545.631	79.829
2009	67843	50276.199	43179.140	7097.059	10.461	14.116	819.028	608.943	521.275	87.668
2010	67571	49840.933	42030.484	7810.448	11.559	15.671	805.531	596.347	501.059	95.287
2011	66920	49207.841	40472.763	8600.078	12.851	17.525	789.589	581.354	477.535	103.819
2012	66612	48539.512	39091.959	9447.553	14.183	19.464	777.128	568.812	456.066	112.746
2013	65832	47675.741	37474.404	10201.34	15.496	21.397	758.948	552.318	432.027	120.291
2014	65580	47194.534	36211.452	10983.08	16.748	23.272	746.893	540.359	412.413	127.946
2015	64736	46305.842	34642.498	11663.34	18.017	25.188	828.442	596.439	443.328	153.111
2016	62237	44208.867	32148.973	12059.89	19.377	27.279	788.606	564.107	407.361	156.746
2017	60550	42702.624	30181.767	12520.86	20.678	29.321	759.815	539.903	378.735	161.168
2018	63203	44321.202	30251.389	14069.81	22.261	31.745	785.339	555.181	375.893	179.288
2019	63844	44493.088	29392.545	15100.54	23.652	33.939	785.163	551.912	361.472	190.440
2020	64333	44529.551	28470.270	16059.28	24.963	36.064	901.880	630.757	399.123	231.635
2021	57950	39852.556	24546.493	15306.06	26.413	38.407	806.176	560.546	341.481	219.065
2022	58337	39853.685	23585.882	16267.80	27.886	40.819	804.849	556.274	325.403	230.870
2023	58697	39847.050	22635.524	17211.53	29.323	43.194	802.734	551.670	309.562	242.108
2024	58964	39726.010	21677.145	18048.86	30.610	45.433	799.186	545.435	293.809	251.627
2025	58604	39207.348	20600.266	18607.08	31.751	47.458	922.367	626.579	324.227	302.351
2026	52452	34803.960	17504.987	17298.97	32.980	49.704	821.548	553.929	274.176	279.753
2027	52247	34484.595	16546.334	17938.26	34.334	52.018	814.020	546.357	257.798	288.559
2028	51995	34100.638	15558.868	18541.77	35.661	54.374	805.415	537.544	241.012	296.532
2029	51715	33669.838	14619.686	19050.15	36.837	56.579	795.936	527.732	225.010	302.722
2030	50325	32557.688	13590.362	18967.33	37.690	58.258	922.740	609.705	249.188	360.517
2031	44710	28646.393	11406.956	17239.44	38.558	60.180	816.967	535.065	208.433	326.632
2032	44327	28227.160	10677.659	17549.50	39.591	62.172	806.537	525.435	194.282	331.153
2033	43928	27786.623	9997.922	17788.70	40.495	64.019	795.299	515.079	181.008	334.070
2034	43495	27348.299	9364.480	17983.82	41.347	65.758	783.045	504.514	168.589	335.925
2035	40992	25570.077	8508.254	17061.82	41.623	66.726	909.858	583.430	188.851	394.579
2036	35116	21717.319	6737.958	14979.36	42.657	68.974	778.537	495.402	149.385	346.017
2037	34558	21256.024	6250.175	15005.85	43.422	70.596	764.687	484.347	138.302	346.045
2038	34005	20747.175	5779.338	14967.84	44.017	72.144	750.251	471.764	127.510	344.254
2039	33463	20327.688	5386.489	14941.20	44.649	73.502	735.303	460.724	118.359	342.364

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6422482	1098877.421	521996.623	576880.8	8.982	52.497	1843.82	318.101	149.859	168.242

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000	
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164549	36137.488	35293.483	844.005	0.513	2.336	2522.12	553.899	540.959	12.940
1993	164367	35599.588	34037.820	1561.768	0.950	4.387	2474.37	535.926	512.403	23.524
1994	159878	34336.757	31954.488	2382.270	1.490	6.938	2361.79	507.267	472.046	35.221
1995	158105	33455.759	30126.741	3329.018	2.106	9.951	2290.74	484.782	436.497	48.285
1996	154911	32193.824	27861.085	4332.739	2.797	13.458	2209.39	459.239	397.364	61.875
1997	150023	30665.509	25361.103	5304.407	3.536	17.298	2104.61	430.308	355.781	74.527
1998	145480	29188.430	22975.151	6213.279	4.271	21.287	2007.09	402.844	316.972	85.872
1999	166067	33375.386	24733.675	8641.710	5.204	25.892	2254.68	453.366	335.808	117.558
2000	160410	32024.754	22352.881	9671.873	6.029	30.201	2145.64	428.655	298.993	129.662
2001	154630	30682.393	19941.114	10741.28	6.946	35.008	2041.00	405.339	263.208	142.131
2002	152118	30218.370	18223.030	11995.34	7.886	39.696	1984.91	394.736	237.783	156.953
2003	147008	29175.202	16256.891	12918.31	8.787	44.278	1897.81	377.146	209.870	167.276
2004	138695	27488.687	14094.785	13393.90	9.657	48.725	1770.73	351.518	179.950	171.568
2005	136246	27017.439	12764.356	14253.08	10.461	52.755	1718.79	341.482	161.026	180.456
2006	132337	26231.435	11247.388	14984.05	11.323	57.122	1653.70	328.517	140.548	187.969
2007	126964	25103.049	9814.561	15288.49	12.042	60.903	1569.75	311.161	121.345	189.816
2008	126385	24621.740	8858.804	15762.94	12.472	64.020	1544.56	301.777	108.264	193.514
2009	123010	23741.177	7830.207	15910.97	12.935	67.018	1485.03	287.552	94.529	193.023
2010	121181	23189.160	7032.725	16156.43	13.333	69.672	1444.63	277.458	83.839	193.619
2011	120937	22786.927	6290.661	16496.27	13.640	72.394	1426.93	269.951	74.223	195.728
2012	121728	22485.295	5689.681	16795.61	13.798	74.696	1420.14	263.495	66.379	197.116
2013	123546	22251.884	5185.603	17066.28	13.814	76.696	1424.31	257.786	59.783	198.003
2014	124222	21894.593	4706.947	17187.65	13.836	78.502	1414.77	250.685	53.607	197.077
2015	124870	21471.109	4290.951	17180.16	13.758	80.015	1597.99	276.557	54.912	221.645
2016	127436	21411.568	3924.164	17487.40	13.723	81.673	1614.74	273.213	49.723	223.489
2017	129610	21169.399	3594.196	17575.20	13.560	83.022	1626.41	267.651	45.102	222.550
2018	122791	19830.576	3093.075	16737.50	13.631	84.402	1525.76	248.404	38.433	209.970
2019	123304	19431.014	2838.568	16592.45	13.456	85.392	1516.41	241.031	34.909	206.122
2020	122396	18532.612	2553.766	15978.85	13.055	86.220	1715.87	262.513	35.801	226.712
2021	121071	18234.128	2323.223	15910.90	13.142	87.259	1684.29	256.472	32.320	224.152
2022	121211	17812.559	2129.131	15683.43	12.939	88.047	1672.29	248.626	29.375	219.251
2023	121330	17361.668	1953.290	15408.38	12.700	88.749	1659.31	240.367	26.713	213.654
2024	121304	16929.676	1812.787	15116.89	12.462	89.292	1644.13	232.443	24.570	207.873
2025	117784	15501.666	1596.975	13904.69	11.805	89.698	1853.81	247.735	25.135	222.600
2026	117255	15523.814	1521.109	14002.70	11.942	90.201	1836.53	247.072	23.825	223.247
2027	116265	15073.070	1425.743	13647.33	11.738	90.541	1811.44	238.810	22.214	216.597
2028	115224	14636.710	1329.961	13306.75	11.549	90.914	1784.86	230.725	20.602	210.124
2029	114181	14180.166	1249.150	12931.02	11.325	91.191	1757.35	222.256	19.226	203.031
2030	107360	12111.772	1044.298	11067.47	10.309	91.378	1968.52	226.816	19.148	207.668
2031	107893	12417.367	1052.884	11364.48	10.533	91.521	1971.46	231.935	19.239	212.696
2032	106560	12054.064	1001.494	11052.57	10.372	91.692	1938.87	224.381	18.222	206.158
2033	105241	11672.389	946.807	10725.58	10.191	91.888	1905.34	216.370	17.142	199.229
2034	103897	11365.762	907.878	10457.88	10.066	92.012	1870.46	209.673	16.345	193.328
2035	93579	8580.360	671.454	7908.906	8.452	92.175	2077.10	195.777	14.904	180.874
2036	94972	8948.841	690.537	8258.304	8.696	92.284	2105.59	204.135	15.310	188.826
2037	93220	8624.570	665.870	7958.700	8.538	92.279	2062.73	196.522	14.734	181.788
2038	91519	8315.017	634.456	7680.561	8.392	92.370	2019.18	189.073	13.998	175.075
2039	89884	8001.132	603.942	7397.190	8.230	92.452	1975.05	181.344	13.271	168.074

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1506641	149918.462	70434.822	79483.64	5.276	53.018	432.540	43.398	20.221	23.177

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.568	105.004	0.327	2.358	492.015	68.262	66.652	1.610
1993	32897	4462.473	4264.179	198.294	0.603	4.444	495.229	67.179	64.193	2.987
1994	33325	4499.513	4186.695	312.818	0.939	6.952	492.297	66.473	61.848	4.625
1995	33574	4472.774	4029.455	443.319	1.320	9.912	486.436	64.812	58.381	6.430
1996	33877	4406.878	3819.400	587.478	1.734	13.331	483.172	62.863	54.474	8.390
1997	33527	4288.158	3554.540	733.618	2.188	17.108	470.341	60.173	49.865	10.308
1998	32811	4120.148	3253.160	866.988	2.642	21.043	452.668	56.864	44.882	11.983
1999	33397	3982.443	2982.787	999.655	2.993	25.102	453.430	54.097	40.497	13.600
2000	33489	4021.411	2846.942	1174.470	3.507	29.205	447.949	53.827	38.081	15.746
2001	32312	3848.092	2556.217	1291.875	3.998	33.572	426.498	50.836	33.740	17.096
2002	31632	3783.081	2354.027	1429.054	4.518	37.775	412.753	49.418	30.716	18.701
2003	31041	3754.415	2173.347	1581.069	5.094	42.112	400.724	48.533	28.057	20.476
2004	29950	3666.274	1970.640	1695.635	5.662	46.250	382.369	46.883	25.159	21.724
2005	28783	3589.688	1785.002	1804.687	6.270	50.274	363.107	45.371	22.518	22.853
2006	28275	3596.985	1642.456	1954.528	6.913	54.338	353.322	45.048	20.524	24.524
2007	28126	3560.798	1495.617	2065.181	7.343	57.998	347.742	44.137	18.491	25.646
2008	27239	3417.001	1320.342	2096.659	7.697	61.360	332.887	41.881	16.136	25.745
2009	27194	3394.390	1206.354	2188.036	8.046	64.460	328.295	41.113	14.564	26.549
2010	27052	3340.137	1096.616	2243.522	8.293	67.169	322.498	39.965	13.073	26.892
2011	27118	3285.435	993.304	2292.131	8.453	69.766	319.958	38.922	11.720	27.202
2012	27234	3259.209	901.327	2357.882	8.658	72.345	317.723	38.193	10.515	27.678
2013	28106	3274.703	832.846	2441.857	8.688	74.567	324.027	37.937	9.602	28.336
2014	29022	3298.083	769.594	2528.489	8.712	76.665	330.527	37.762	8.765	28.997
2015	29821	3244.406	702.998	2541.408	8.522	78.332	381.621	41.789	8.996	32.793
2016	30806	3314.836	661.564	2653.272	8.613	80.042	390.340	42.297	8.383	33.915
2017	31744	3333.314	614.258	2719.055	8.566	81.572	398.334	42.144	7.708	34.436
2018	29683	2925.242	503.560	2421.682	8.159	82.786	368.829	36.642	6.257	30.385
2019	29962	2864.628	460.491	2404.137	8.024	83.925	368.478	35.534	5.663	29.871
2020	29988	2730.366	412.084	2318.282	7.731	84.907	420.393	38.675	5.777	32.898
2021	30529	2647.911	373.908	2274.002	7.449	85.879	424.712	37.244	5.202	32.043
2022	30768	2586.165	341.135	2245.030	7.297	86.809	424.490	36.097	4.706	31.391
2023	31003	2517.960	311.926	2206.034	7.116	87.612	423.996	34.860	4.266	30.594
2024	31192	2454.161	287.973	2166.187	6.945	88.266	422.777	33.695	3.903	29.792
2025	30818	2275.364	254.384	2020.981	6.558	88.820	485.039	36.363	4.004	32.359
2026	31292	2183.166	232.609	1950.557	6.233	89.345	490.122	34.747	3.643	31.103
2027	31199	2112.345	215.911	1896.434	6.079	89.779	486.089	33.467	3.364	30.103
2028	31080	2046.677	200.722	1845.954	5.939	90.193	481.444	32.263	3.109	29.153
2029	30954	1977.671	186.991	1790.681	5.785	90.545	476.413	30.997	2.878	28.120
2030	30055	1744.457	160.589	1583.868	5.270	90.794	551.082	32.668	2.944	29.724
2031	29727	1653.738	148.509	1505.228	5.063	91.020	543.191	30.889	2.714	28.175
2032	29503	1603.120	139.471	1463.650	4.961	91.300	536.819	29.841	2.538	27.304
2033	29270	1548.245	131.494	1416.751	4.840	91.507	529.921	28.700	2.381	26.319
2034	29011	1511.985	125.678	1386.307	4.779	91.688	522.288	27.893	2.263	25.630
2035	27578	1239.866	101.639	1138.226	4.127	91.802	612.122	28.290	2.256	26.034
2036	26425	1182.522	95.076	1087.446	4.115	91.960	585.868	26.975	2.108	24.867
2037	25992	1134.483	91.217	1043.266	4.014	91.960	575.143	25.851	2.018	23.832
2038	25556	1093.537	86.638	1006.898	3.940	92.077	563.842	24.866	1.912	22.954
2039	25122	1047.905	81.906	965.999	3.845	92.184	552.024	23.751	1.800	21.951

Results for PHIM for Run 3 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2265586	1015606.587	686452.456	329154.1	14.528	32.410	650.424	293.996	197.073	96.923

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.403	57.786	0.170	0.303	520.249	292.085	291.197	0.888
1993	35914	20095.670	19977.557	118.112	0.329	0.588	540.648	302.526	300.741	1.785
1994	35077	19524.095	19343.620	180.475	0.515	0.924	518.166	288.435	285.752	2.683
1995	34674	19116.002	18857.801	258.201	0.745	1.351	502.376	276.995	273.225	3.771
1996	34590	18975.021	18622.639	352.382	1.019	1.857	493.330	270.675	265.602	5.073
1997	35279	19169.025	18701.429	467.595	1.325	2.439	494.916	268.986	262.355	6.631
1998	35693	19228.937	18627.283	601.655	1.686	3.129	492.425	265.388	256.988	8.400
1999	38542	20589.820	19799.875	789.946	2.050	3.837	523.284	279.689	268.822	10.867
2000	36316	19196.417	18303.423	892.995	2.459	4.652	485.766	256.946	244.827	12.119
2001	36324	19012.731	17931.893	1080.839	2.976	5.685	479.449	251.174	236.688	14.486
2002	36037	18699.357	17435.443	1263.914	3.507	6.759	470.225	244.265	227.506	16.759
2003	36272	18663.550	17189.062	1474.487	4.065	7.900	468.261	241.262	221.904	19.359
2004	34689	17679.164	16045.215	1633.949	4.710	9.242	442.879	226.076	204.851	21.225
2005	36925	18692.832	16718.891	1973.940	5.346	10.560	465.821	236.265	210.914	25.351
2006	34459	17308.564	15212.701	2095.863	6.082	12.109	430.599	216.769	190.099	26.670
2007	35456	17683.181	15257.950	2425.232	6.840	13.715	438.373	219.189	188.646	30.543
2008	38410	19006.374	16112.545	2893.829	7.534	15.226	469.412	232.952	196.912	36.041
2009	37081	18205.573	15092.838	3112.735	8.394	17.098	447.655	220.505	182.206	38.299
2010	37438	18237.758	14825.651	3412.108	9.114	18.709	446.310	218.215	176.741	41.473
2011	38327	18487.916	14636.068	3851.848	10.050	20.834	452.215	219.022	172.690	46.332
2012	38767	18491.158	14269.677	4221.481	10.889	22.830	452.277	216.689	166.477	50.212
2013	40596	19143.452	14410.048	4733.405	11.660	24.726	468.011	221.775	166.128	55.647
2014	40677	18992.005	13902.399	5089.606	12.512	26.799	463.267	217.451	158.335	59.116
2015	42693	19728.885	14118.791	5610.094	13.140	28.436	546.354	254.116	180.681	73.435
2016	43538	19876.724	13826.176	6050.548	13.897	30.440	551.668	253.628	175.192	78.436
2017	44590	20119.790	13582.120	6537.670	14.662	32.494	559.542	254.381	170.435	83.946
2018	46008	20535.123	13446.775	7088.348	15.407	34.518	571.677	257.229	167.085	90.144
2019	47564	21009.029	13341.143	7667.886	16.121	36.498	584.941	260.605	164.070	96.535
2020	49087	21428.512	13202.874	8225.637	16.757	38.386	688.151	303.533	185.090	118.443
2021	49181	21266.697	12611.964	8654.733	17.598	40.696	684.187	299.127	175.453	123.674
2022	50705	21663.568	12376.773	9286.795	18.316	42.868	699.547	302.378	170.757	131.621
2023	52256	22084.131	12150.105	9934.026	19.010	44.983	714.654	305.748	166.164	139.584
2024	53757	22418.456	11901.713	10516.74	19.564	46.911	728.612	307.804	161.314	146.490
2025	54876	22614.834	11590.120	11024.71	20.090	48.750	863.690	361.411	182.417	178.994
2026	55443	22571.522	11098.198	11473.32	20.694	50.831	868.386	359.241	173.828	185.413
2027	56449	22774.416	10720.290	12054.13	21.354	52.928	879.492	360.827	167.026	193.801
2028	57415	22915.561	10294.852	12620.71	21.982	55.075	889.377	361.228	159.470	201.758
2029	58367	22992.027	9863.083	13128.94	22.494	57.102	898.320	360.371	151.802	208.569
2030	58677	22895.360	9424.378	13470.98	22.958	58.837	1075.88	428.760	172.802	255.958
2031	59109	22715.871	8959.771	13756.10	23.273	60.557	1080.06	424.293	163.717	260.576
2032	59856	22759.207	8541.841	14217.37	23.753	62.469	1089.09	423.652	155.420	268.231
2033	60580	22786.258	8150.639	14635.62	24.159	64.230	1096.78	422.387	147.564	274.823
2034	61246	22806.106	7756.106	15050.00	24.573	65.991	1102.61	420.721	139.633	281.088
2035	60370	22262.998	7301.385	14961.61	24.783	67.204	1340.00	507.973	162.063	345.910
2036	58294	21140.051	6476.695	14663.36	25.154	69.363	1292.41	482.234	143.593	338.641
2037	58486	21011.845	6058.459	14953.39	25.567	71.166	1294.16	478.783	134.059	344.724
2038	58656	20787.483	5643.285	15144.20	25.819	72.852	1294.12	472.681	124.508	348.173
2039	58815	20709.267	5286.626	15422.64	26.222	74.472	1292.37	469.372	116.165	353.207

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Control File Details for Run: 4

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S3B
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_3
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 4, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 4, Scenario: Ecig

Variable Parameter		Value									
1. Country		US (United States)									
2. Sex		F (Females)									
3. Assumption Set		S3B									
Note:		Period is in Months									
Age	Period	Initiation			Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual	
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.006556	0.000000	0.000000	0.000000	0.000000	
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.001886	0.000000	0.000000	0.000000	0.000000	
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000571	0.000000	0.000000	0.000000	0.000000	
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.001032	0.000000	0.000000	0.000000	0.000000	
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.000862	0.000000	0.000000	0.000000	0.000000	
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000743	0.000000	0.000000	0.000000	0.000000	
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000625	0.000000	0.000000	0.000000	0.000000	
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001292	0.000000	0.000000	0.000000	0.000000	
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.001752	0.000000	0.000000	0.000000	0.000000	
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.001675	0.000000	0.000000	0.000000	0.000000	
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.003476	0.000000	0.000000	0.000000	0.000000	
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.002629	0.000000	0.000000	0.000000	0.000000	
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.003246	0.000000	0.000000	0.000000	0.000000	
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.003246	0.000000	0.000000	0.000000	0.000000	
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.006556	0.000000	0.000000	0.000000	0.000000	
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.003062	0.000000	0.000000	0.000000	0.000000	
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.000946	0.000000	0.000000	0.000000	0.000000	
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.000714	0.000000	0.000000	0.000000	0.000000	
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000550	0.000000	0.000000	0.000000	0.000000	
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000565	0.000000	0.000000	0.000000	0.000000	
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001151	0.000000	0.000000	0.000000	0.000000	
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002248	0.000000	0.000000	0.000000	0.000000	
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.002370	0.000000	0.000000	0.000000	0.000000	
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002224	0.000000	0.000000	0.000000	0.000000	
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.002725	0.000000	0.000000	0.000000	0.000000	
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.003391	0.000000	0.000000	0.000000	0.000000	
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.003906	0.000000	0.000000	0.000000	0.000000	
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.003906	0.000000	0.000000	0.000000	0.000000	
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.006556	0.000000	0.000000	0.000000	0.000000	
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.002530	0.000000	0.000000	0.000000	0.000000	
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.002910	0.000000	0.000000	0.000000	0.000000	
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.001465	0.000000	0.000000	0.000000	0.000000	
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.001004	0.000000	0.000000	0.000000	0.000000	
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001130	0.000000	0.000000	0.000000	0.000000	
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.001560	0.000000	0.000000	0.000000	0.000000	
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.002856	0.000000	0.000000	0.000000	0.000000	
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.003653	0.000000	0.000000	0.000000	0.000000	
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.003420	0.000000	0.000000	0.000000	0.000000	
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.005394	0.000000	0.000000	0.000000	0.000000	
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.005275	0.000000	0.000000	0.000000	0.000000	
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.006155	0.000000	0.000000	0.000000	0.000000	
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.006155	0.000000	0.000000	0.000000	0.000000	
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.006556	0.000000	0.000000	0.000000	0.000000	
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.002997	0.000000	0.000000	0.000000	0.000000	
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.002104	0.000000	0.000000	0.000000	0.000000	
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.001181	0.000000	0.000000	0.000000	0.000000	
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.000970	0.000000	0.000000	0.000000	0.000000	
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.000914	0.000000	0.000000	0.000000	0.000000	
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001243	0.000000	0.000000	0.000000	0.000000	
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001496	0.000000	0.000000	0.000000	0.000000	
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.001615	0.000000	0.000000	0.000000	0.000000	
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.001554	0.000000	0.000000	0.000000	0.000000	
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.003786	0.000000	0.000000	0.000000	0.000000	
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.002760	0.000000	0.000000	0.000000	0.000000	
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.004608	0.000000	0.000000	0.000000	0.000000	
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.004608	0.000000	0.000000	0.000000	0.000000	
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.006556	0.000000	0.000000	0.000000	0.000000	
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.004327	0.000000	0.000000	0.000000	0.000000	
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.002447	0.000000	0.000000	0.000000	0.000000	
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.001501	0.000000	0.000000	0.000000	0.000000	
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.002430	0.000000	0.000000	0.000000	0.000000	
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001328	0.000000	0.000000	0.000000	0.000000	
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.001630	0.000000	0.000000	0.000000	0.000000	
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.001556	0.000000	0.000000	0.000000	0.000000	
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.002574	0.000000	0.000000	0.000000	0.000000	

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002180	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.005354	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.003722	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.004701	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.004701	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.006556	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.007080	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.002123	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.001992	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.003460	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.001956	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.002336	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.001599	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.002623	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002206	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.004032	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001342	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.003058	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.003058	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 4, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 4, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		F (Females)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	10659	11.63	0	0.00			
5	All Ages	Ecig	11882	12.97					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18211	19.87			14.32	1004	5.51
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	233	7.34	0	0.00			
5	18-19	Ecig	439	13.82					
5	18-19	Dual	0	0.00					
5	18-19	Former	70	2.20			1.20	42	60.00
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	862	10.32	0	0.00			
5	20-24	Ecig	1286	15.40					
5	20-24	Dual	0	0.00					
5	20-24	Former	408	4.89			3.39	86	21.08
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1404	15.97					
5	25-29	Dual	0	0.00					
5	25-29	Former	1014	11.53			5.99	47	4.64
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

5	30-34	Never Any	5304	52.63					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1812	17.98					
5	30-34	Dual	0	0.00					
5	30-34	Former	1589	15.77			8.20	63	3.96
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1757	16.73					
5	35-39	Dual	0	0.00					
5	35-39	Former	2054	19.56			8.79	55	2.68
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1370	14.27					
5	40-44	Dual	0	0.00					
5	40-44	Former	2077	21.64			12.16	71	3.42
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1178	13.86					
5	45-49	Dual	0	0.00					
5	45-49	Former	1989	23.41			11.01	122	6.13
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	848	12.97					
5	50-54	Dual	0	0.00					
5	50-54	Former	1833	28.04			15.09	121	6.60
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	638	11.53					
5	55-59	Dual	0	0.00					
5	55-59	Former	1490	26.92			15.95	84	5.64
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	456	8.66					
5	60-64	Dual	0	0.00					
5	60-64	Former	1443	27.41			19.37	80	5.54
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	388	7.02					
5	65-69	Dual	0	0.00					
5	65-69	Former	1456	26.36			19.52	98	6.73
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	198	3.73					
5	70-74	Dual	0	0.00					
5	70-74	Former	1486	28.02			22.46	70	4.71
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	108	2.41					
5	75-79	Dual	0	0.00					
5	75-79	Former	1302	29.03			26.00	65	4.99
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	4595	5.00	0	0.00			
10	All Ages	Ecig	16397	17.84					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	20493	22.30			15.56	1454	7.10
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	370	4.67	0	0.00			
10	20-24	Ecig	1883	23.75					
10	20-24	Dual	0	0.00					
10	20-24	Former	549	6.92			3.58	137	24.95
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	400	4.79	0	0.00			
10	25-29	Ecig	1783	21.35					
10	25-29	Dual	0	0.00					
10	25-29	Former	674	8.07			5.86	99	14.69
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1948	22.15					
10	30-34	Dual	0	0.00					
10	30-34	Former	1214	13.81			9.50	76	6.26
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2467	24.48					
10	35-39	Dual	0	0.00					
10	35-39	Former	1766	17.52			12.05	82	4.64
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2333	22.22					
10	40-44	Dual	0	0.00					
10	40-44	Former	2304	21.94			12.47	127	5.51
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1750	18.23					
10	45-49	Dual	0	0.00					
10	45-49	Former	2386	24.85			15.16	150	6.29
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1395	16.42					
10	50-54	Dual	0	0.00					
10	50-54	Former	2368	27.87			13.76	149	6.29
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	987	15.10					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2150	32.89			17.40	134	6.23
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		719	12.99					
10	60-64	Dual		0	0.00					
10	60-64	Former		1797	32.47			17.68	134	7.46
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		484	9.19					
10	65-69	Dual		0	0.00					
10	65-69	Former		1768	33.59			20.24	133	7.52
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		416	7.53					
10	70-74	Dual		0	0.00					
10	70-74	Former		1756	31.79			20.65	137	7.80
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		232	4.37					
10	75-79	Dual		0	0.00					
10	75-79	Former		1761	33.21			23.50	96	5.45
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		1890	2.18	0	0.00			
15	All Ages	Ecig		16763	19.36					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		20950	24.19			17.95	784	3.74
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		166	2.09	0	0.00			
15	25-29	Ecig		2105	26.54					
15	25-29	Dual		0	0.00					
15	25-29	Former		799	10.08			6.66	78	9.76
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		149	1.78	0	0.00			
15	30-34	Ecig		1952	23.38					
15	30-34	Dual		0	0.00					
15	30-34	Former		842	10.08			9.10	65	7.72
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	2082	23.68					
15	35-39	Dual	0	0.00					
15	35-39	Former	1355	15.41			13.23	46	3.39
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2606	25.86					
15	40-44	Dual	0	0.00					
15	40-44	Former	1950	19.35			15.63	82	4.21
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2420	23.05					
15	45-49	Dual	0	0.00					
15	45-49	Former	2564	24.42			15.90	111	4.33
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1750	18.23					
15	50-54	Dual	0	0.00					
15	50-54	Former	2641	27.51			18.44	80	3.03
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1410	16.59					
15	55-59	Dual	0	0.00					
15	55-59	Former	2565	30.19			17.49	69	2.69
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	959	14.67					
15	60-64	Dual	0	0.00					
15	60-64	Former	2330	35.65			20.82	79	3.39
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	673	12.16					
15	65-69	Dual	0	0.00					
15	65-69	Former	2017	36.45			20.48	63	3.12
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	451	8.57					
15	70-74	Dual	0	0.00					
15	70-74	Former	1942	36.89			23.18	62	3.19
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	355	6.43					
15	75-79	Dual	0	0.00					
15	75-79	Former	1945	35.21			23.39	49	2.52
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	765	0.94	0	0.00			
20	All Ages	Ecig	15280	18.85					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	21277	26.24			20.20	953	4.48
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	65	0.82	0	0.00			
20	30-34	Ecig	2088	26.33					
20	30-34	Dual	0	0.00					
20	30-34	Former	1034	13.04			9.39	113	10.93
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	58	0.69	0	0.00			
20	35-39	Ecig	1891	22.65					
20	35-39	Dual	0	0.00					
20	35-39	Former	1042	12.48			11.75	82	7.87
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	1982	22.54					
20	40-44	Dual	0	0.00					
20	40-44	Former	1558	17.72			16.09	90	5.78
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2491	24.72					
20	45-49	Dual	0	0.00					
20	45-49	Former	2198	21.81			18.51	105	4.78
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	2273	21.65					
20	50-54	Dual	0	0.00					
20	50-54	Former	2847	27.12			19.00	133	4.67
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1610	16.77					
20	55-59	Dual	0	0.00					
20	55-59	Former	2881	30.01			21.66	80	2.78
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	1241	14.61					
20	60-64	Dual	0	0.00					
20	60-64	Former	2829	33.29			20.55	131	4.63
Year of Follow-up: 2010, Age Group: 65-69									

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	780	11.93					
20	65-69	Dual	0	0.00					
20	65-69	Former	2593	39.67			23.41	90	3.47
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	578	10.44					
20	70-74	Dual	0	0.00					
20	70-74	Former	2184	39.47			23.69	57	2.61
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	346	6.57					
20	75-79	Dual	0	0.00					
20	75-79	Former	2111	40.10			26.07	72	3.41
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	340	0.45	0	0.00			
25	All Ages	Ecig	13186	17.39					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	21281	28.07			22.32	786	3.69
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	20	0.25	0	0.00			
25	35-39	Ecig	1836	23.15					
25	35-39	Dual	0	0.00					
25	35-39	Former	1348	17.00			11.54	102	7.57
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	33	0.40	0	0.00			
25	40-44	Ecig	1708	20.46					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1250	14.97			14.31	83	6.64
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5189	59.01					
25	45-49	CC	32	0.36	0	0.00			
25	45-49	Ecig	1809	20.57					
25	45-49	Dual	0	0.00					
25	45-49	Former	1763	20.05			18.87	74	4.20
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5284	52.43					
25	50-54	CC	45	0.45	0	0.00			
25	50-54	Ecig	2272	22.54					
25	50-54	Dual	0	0.00					
25	50-54	Former	2477	24.58			21.07	128	5.17
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5278	50.27					
25	55-59	CC	37	0.35	0	0.00			
25	55-59	Ecig	2001	19.06					
25	55-59	Dual	0	0.00					
25	55-59	Former	3183	30.32			21.68	116	3.64
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	42	0.44	0	0.00			
25	60-64	Ecig	1377	14.34					
25	60-64	Dual	0	0.00					
25	60-64	Former	3163	32.95			24.45	132	4.17
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	41	0.48	0	0.00			
25	65-69	Ecig	1028	12.10					
25	65-69	Dual	0	0.00					
25	65-69	Former	3072	36.15			23.73	65	2.12
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	31	0.47	0	0.00			
25	70-74	Ecig	669	10.24					
25	70-74	Dual	0	0.00					
25	70-74	Former	2720	41.62			27.20	40	1.47
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	59	1.07	0	0.00			
25	75-79	Ecig	486	8.78					
25	75-79	Dual	0	0.00					
25	75-79	Former	2305	41.65			27.30	46	2.00
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38326	54.53					
30	All Ages	CC	115	0.16	0	0.00			
30	All Ages	Ecig	11107	15.80					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	20735	29.50			24.62	685	3.30
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	1624	20.48					
30	40-44	Dual	0	0.00					
30	40-44	Former	1574	19.85			14.46	81	5.15
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	1549	18.55					
30	45-49	Dual	0	0.00					
30	45-49	Former	1429	17.11			17.16	65	4.55
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1619	18.41					
30	50-54	Dual	0	0.00					
30	50-54	Former	1976	22.47			21.50	99	5.01
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	1973	19.58					
30	55-59	Dual	0	0.00					
30	55-59	Former	2807	27.85			23.25	123	4.38
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	1689	16.09					
30	60-64	Dual	0	0.00					
30	60-64	Former	3517	33.50			24.34	136	3.87
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	1162	12.10					
30	65-69	Dual	0	0.00					
30	65-69	Former	3402	35.44			27.55	71	2.09
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	928	10.92					
30	70-74	Dual	0	0.00					
30	70-74	Former	3191	37.55			27.71	60	1.88
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	563	8.61					
30	75-79	Dual	0	0.00					
30	75-79	Former	2839	43.44			30.93	50	1.76
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	9127	14.32					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	19363	30.37			26.61	585	3.02
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	1424	17.96					
35	45-49	Dual	0	0.00					
35	45-49	Former	1779	22.43			17.49	64	3.60
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	1361	16.30					
35	50-54	Dual	0	0.00					
35	50-54	Former	1627	19.49			19.67	98	6.02
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	1396	15.88					
35	55-59	Dual	0	0.00					
35	55-59	Former	2204	25.07			23.96	95	4.31
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	1698	16.85					
35	60-64	Dual	0	0.00					
35	60-64	Former	3089	30.65			25.84	124	4.01
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	1420	13.53					
35	65-69	Dual	0	0.00					
35	65-69	Former	3794	36.14			27.37	83	2.19
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	1037	10.80					
35	70-74	Dual	0	0.00					
35	70-74	Former	3534	36.81			31.39	70	1.98
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	791	9.31					
35	75-79	Dual	0	0.00					
35	75-79	Former	3336	39.26			31.39	51	1.53
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	7108	12.87					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	17274	31.27			28.54	508	2.94
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4726	59.60					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		1247	15.73					
40	50-54	Dual		0	0.00					
40	50-54	Former		1957	24.68			20.59	95	4.85
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		5359	64.18					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		1178	14.11					
40	55-59	Dual		0	0.00					
40	55-59	Former		1813	21.71			22.34	73	4.03
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5189	59.01					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		1157	13.16					
40	60-64	Dual		0	0.00					
40	60-64	Former		2444	27.79			26.28	113	4.62
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		5284	52.43					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		1411	14.00					
40	65-69	Dual		0	0.00					
40	65-69	Former		3380	33.54			28.39	79	2.34
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		5278	50.27					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		1251	11.92					
40	70-74	Dual		0	0.00					
40	70-74	Former		3966	37.78			31.04	72	1.82
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

40	75-79	Ecig	864	9.00					
40	75-79	Dual	0	0.00					
40	75-79	Former	3714	38.69			34.71	76	2.05
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	5365	11.75					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	14444	31.64			30.03	350	2.42
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

45	55-59	Never Any	4726	59.60					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	1084	13.67					
45	55-59	Dual	0	0.00					
45	55-59	Former	2120	26.73			23.78	59	2.78
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	991	11.87					
45	60-64	Dual	0	0.00					
45	60-64	Former	2000	23.95			24.96	85	4.25
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	977	11.11					
45	65-69	Dual	0	0.00					
45	65-69	Former	2624	29.84			29.30	55	2.10
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	1259	12.49					
45	70-74	Dual	0	0.00					
45	70-74	Former	3534	35.07			32.00	82	2.32
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	1054	10.04					
45	75-79	Dual	0	0.00					
45	75-79	Former	4166	39.68			34.41	69	1.66
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	3646	10.37					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	10943	31.13			31.35	271	2.48
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	907	11.44					
50	60-64	Dual	0	0.00					
50	60-64	Former	2297	28.97			26.69	92	4.01
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	835	10.00					
50	65-69	Dual	0	0.00					
50	65-69	Former	2156	25.82			27.97	42	1.95
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	860	9.78					
50	70-74	Dual	0	0.00					
50	70-74	Former	2741	31.17			32.90	57	2.08
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	1044	10.36					
50	75-79	Dual	0	0.00					
50	75-79	Former	3749	37.20			35.00	80	2.13

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	1957454.186	988795.8	10.887	33.561	2493.45	808.881	537.411	271.470

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198532	60494.150	60022.578	471.572	0.238	0.780	2829.84	862.271	855.550	6.722
1993	202512	62694.848	61777.164	917.683	0.453	1.464	2845.85	881.034	868.138	12.896
1994	200658	63202.598	61752.826	1449.772	0.723	2.294	2777.87	874.966	854.895	20.070
1995	201023	63766.862	61672.765	2094.097	1.042	3.284	2739.80	869.097	840.556	28.541
1996	201180	64591.163	61721.811	2869.351	1.426	4.442	2706.36	868.908	830.308	38.600
1997	198639	64686.912	61094.116	3592.796	1.809	5.554	2635.18	858.147	810.484	47.663
1998	197573	65295.961	60865.284	4430.677	2.243	6.786	2584.18	854.046	796.095	57.952
1999	211329	67327.521	61605.573	5721.948	2.708	8.499	2726.91	868.771	794.937	73.834
2000	208496	67596.897	60934.113	6662.783	3.196	9.857	2656.96	861.419	776.512	84.907
2001	203606	67008.811	59350.798	7658.012	3.761	11.428	2565.88	844.458	747.950	96.508
2002	200828	67067.744	58301.127	8766.617	4.365	13.071	2506.09	836.925	727.528	109.397
2003	196352	66756.217	56988.532	9767.684	4.975	14.632	2427.31	825.244	704.495	120.749
2004	188160	65058.725	54445.318	10613.41	5.641	16.314	2302.83	796.234	666.340	129.894
2005	186416	65214.724	53461.523	11753.20	6.305	18.022	2256.27	789.321	647.067	142.254
2006	180088	63771.146	51153.699	12617.45	7.006	19.786	2160.67	765.117	613.735	151.382
2007	175644	63110.718	49606.486	13504.23	7.688	21.398	2086.36	749.650	589.242	160.408
2008	177570	63718.624	48932.501	14786.12	8.327	23.205	2086.39	748.674	574.941	173.732
2009	172806	62794.698	47185.451	15609.25	9.033	24.858	2007.57	729.515	548.175	181.340
2010	170489	61917.074	45444.395	16472.68	9.662	26.604	1957.97	711.083	521.903	189.179
2011	170305	61680.114	44046.449	17633.67	10.354	28.589	1937.46	701.700	501.092	200.608
2012	171421	62023.127	43103.406	18919.72	11.037	30.504	1930.22	698.386	485.348	213.038
2013	172699	62037.765	41961.719	20076.05	11.625	32.361	1923.75	691.059	467.425	223.634
2014	174169	61921.017	40576.750	21344.27	12.255	34.470	1918.85	682.195	447.041	235.154
2015	177354	61856.204	39433.902	22422.30	12.643	36.249	2184.51	761.899	485.717	276.181
2016	176853	60464.119	37178.914	23285.20	13.166	38.511	2157.59	737.655	453.578	284.077
2017	179309	60243.839	35796.422	24447.42	13.634	40.581	2166.86	728.017	432.582	295.435
2018	177157	60713.327	35218.960	25494.37	14.391	41.991	2120.51	726.721	421.561	305.160
2019	179227	61148.172	34309.255	26838.92	14.975	43.892	2124.53	724.841	406.697	318.144
2020	180467	61149.317	33377.886	27771.43	15.389	45.416	2424.25	821.432	448.373	373.060
2021	178116	58727.786	30571.278	28156.51	15.808	47.944	2375.42	783.216	407.710	375.506
2022	179408	58848.802	29564.460	29284.34	16.323	49.762	2374.52	778.881	391.294	387.587
2023	180640	58816.149	28543.562	30272.59	16.759	51.470	2372.26	772.407	374.850	397.557
2024	181610	58955.232	27532.662	31422.57	17.302	53.299	2366.77	768.316	358.811	409.505
2025	180418	58297.744	26397.285	31900.46	17.681	54.720	2713.69	876.861	397.044	479.817
2026	180313	56469.971	24372.147	32097.82	17.801	56.841	2701.83	846.150	365.194	480.956
2027	179619	56209.427	23255.055	32954.37	18.347	58.628	2680.68	838.883	347.064	491.819
2028	178762	55733.105	22076.868	33656.24	18.827	60.388	2656.74	828.298	328.104	500.195
2029	177808	55145.838	20888.981	34256.86	19.266	62.120	2630.89	815.951	309.078	506.872
2030	173587	53615.097	19650.737	33964.36	19.566	63.349	3040.33	939.056	344.178	594.878
2031	174985	52046.561	18436.349	33610.21	19.207	64.577	3060.73	910.364	322.476	587.887
2032	173400	51582.636	17472.475	34110.16	19.671	66.127	3027.10	900.496	305.023	595.473
2033	171756	50839.758	16493.383	34346.38	19.997	67.558	2991.14	885.375	287.232	598.142
2034	169973	50215.451	15546.229	34669.22	20.397	69.041	2951.96	872.104	269.995	602.109
2035	162644	47773.075	14415.496	33357.58	20.510	69.825	3459.14	1016.05	306.591	709.454
2036	156254	43298.709	12407.956	30890.75	19.770	71.343	3328.25	922.274	264.293	657.981
2037	153593	42241.563	11470.971	30770.59	20.034	72.844	3274.10	900.450	244.523	655.927
2038	150947	41356.353	10726.012	30630.34	20.292	74.064	3217.50	881.531	228.630	652.901
2039	148373	40161.050	9877.712	30283.34	20.410	75.405	3159.42	855.178	210.333	644.844

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1149683.300	430781.9	18.506	27.257	639.078	433.910	315.641	118.269

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.458	93.949	0.207	0.287	647.450	467.274	465.935	1.339
1993	46291	33491.183	33305.441	185.742	0.401	0.555	650.515	470.643	468.032	2.610
1994	47017	34074.347	33773.180	301.167	0.641	0.884	650.895	471.719	467.550	4.169
1995	47840	34694.454	34240.243	454.211	0.949	1.309	652.025	472.861	466.670	6.191
1996	48244	35027.269	34398.513	628.756	1.303	1.795	648.999	471.202	462.744	8.458
1997	49035	35590.763	34754.069	836.694	1.706	2.351	650.506	472.153	461.053	11.100
1998	49686	36100.785	35018.241	1082.543	2.179	2.999	649.874	472.184	458.025	14.159
1999	48883	35451.030	34146.590	1304.440	2.668	3.680	630.769	457.448	440.616	16.832
2000	50331	36447.986	34815.332	1632.654	3.244	4.479	641.392	464.474	443.668	20.806
2001	50389	36411.326	34445.837	1965.490	3.901	5.398	635.012	458.863	434.093	24.769
2002	51445	37078.545	34699.723	2378.822	4.624	6.416	641.972	462.696	433.011	29.685
2003	51408	36999.876	34226.370	2773.506	5.395	7.496	635.509	457.395	423.108	34.286
2004	51399	36861.555	33650.409	3211.146	6.247	8.711	629.057	451.138	411.837	39.300
2005	51421	36689.529	33015.744	3673.785	7.145	10.013	622.370	444.069	399.603	44.465
2006	51355	36504.774	32344.798	4159.976	8.100	11.396	616.150	437.979	388.068	49.911
2007	51839	36663.202	31924.574	4738.628	9.141	12.925	615.761	435.498	379.211	56.287
2008	50976	35898.803	30726.097	5172.706	10.147	14.409	598.952	421.800	361.022	60.778
2009	51193	35934.525	30142.109	5792.416	11.315	16.119	594.733	417.468	350.175	67.293
2010	50853	35502.829	29203.555	6299.274	12.387	17.743	584.018	407.730	335.386	72.344
2011	50509	35136.342	28246.848	6889.494	13.640	19.608	574.613	399.726	321.349	78.378
2012	51245	35450.201	27827.124	7623.077	14.876	21.504	577.023	399.173	313.336	85.837
2013	51069	35123.224	26857.626	8265.598	16.185	23.533	568.874	391.249	299.176	92.073
2014	51251	35079.370	26126.644	8952.726	17.468	25.521	564.641	386.476	287.842	98.634
2015	50443	34324.171	24924.435	9399.735	18.634	27.385	621.319	422.780	307.001	115.779
2016	48854	33054.753	23266.672	9788.080	20.035	29.612	596.013	403.264	283.851	119.413
2017	48325	32471.234	22122.317	10348.92	21.415	31.871	583.983	392.399	267.337	125.061
2018	50465	33657.595	22103.988	11553.61	22.894	34.327	604.052	402.871	264.578	138.293
2019	51036	33863.424	21457.614	12405.81	24.308	36.635	604.975	401.412	254.355	147.057
2020	51444	33910.830	20796.252	13114.58	25.493	38.674	691.053	455.532	279.361	176.171
2021	48037	31531.880	18574.838	12957.04	26.973	41.092	640.639	420.521	247.721	172.800
2022	48335	31560.212	17864.829	13695.38	28.334	43.394	639.727	417.708	236.446	181.262
2023	48599	31508.781	17143.315	14365.47	29.559	45.592	638.227	413.791	225.136	188.655
2024	48784	31517.293	16420.487	15096.81	30.946	47.900	635.757	410.740	213.995	196.745
2025	48477	31175.389	15632.571	15542.82	32.063	49.856	729.141	468.912	235.131	233.781
2026	45324	29044.598	13937.680	15106.92	33.331	52.013	679.138	435.206	208.843	226.363
2027	45107	28825.765	13195.113	15630.65	34.652	54.225	673.191	430.203	196.927	233.276
2028	44842	28513.846	12432.886	16080.96	35.862	56.397	666.430	423.769	184.776	238.993
2029	44539	28148.109	11669.658	16478.45	36.998	58.542	659.013	416.486	172.667	243.819
2030	43393	27314.475	10878.342	16436.13	37.877	60.174	760.018	478.407	190.532	287.875
2031	40748	25423.102	9793.989	15629.11	38.356	61.476	712.731	444.684	171.310	273.374
2032	40325	25085.902	9193.885	15892.02	39.410	63.350	703.969	437.933	160.501	277.432
2033	39882	24645.067	8606.333	16038.73	40.216	65.079	694.543	429.194	149.879	279.315
2034	39404	24239.126	8042.798	16196.33	41.103	66.819	684.347	420.967	139.681	281.286
2035	37454	22944.147	7363.738	15580.41	41.598	67.906	796.588	487.980	156.613	331.367
2036	32988	19950.581	6094.349	13856.23	42.003	69.453	702.663	424.953	129.811	295.141
2037	32403	19415.334	5600.273	13815.06	42.635	71.155	690.731	413.871	119.379	294.491
2038	31820	18939.317	5212.650	13726.67	43.139	72.477	678.257	403.701	111.110	292.591
2039	31251	18379.752	4782.875	13596.88	43.508	73.977	665.457	391.373	101.845	289.528

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	201089.110	197744.7	6.099	49.581	890.124	109.498	55.208	54.290

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.697	250.547	0.267	1.979	1335.88	180.485	176.914	3.571
1993	93679	12730.613	12252.454	478.159	0.510	3.756	1316.45	178.900	172.180	6.719
1994	90832	12495.323	11750.726	744.597	0.820	5.959	1257.46	172.983	162.675	10.308
1995	89698	12365.590	11313.470	1052.120	1.173	8.508	1222.52	168.534	154.195	14.340
1996	88286	12290.551	10856.106	1434.445	1.625	11.671	1187.66	165.338	146.041	19.297
1997	84777	11719.531	9992.295	1727.236	2.037	14.738	1124.67	155.473	132.559	22.914
1998	82517	11416.794	9349.475	2067.320	2.505	18.108	1079.29	149.327	122.288	27.040
1999	93939	13028.038	10182.944	2845.094	3.029	21.838	1212.16	168.109	131.397	36.712
2000	90039	12426.299	9250.724	3175.575	3.527	25.555	1147.41	158.354	117.886	40.468
2001	86119	11939.281	8361.304	3577.977	4.155	29.968	1085.29	150.461	105.371	45.090
2002	83014	11528.794	7559.518	3969.276	4.781	34.429	1035.91	143.865	94.334	49.532
2003	79302	11048.407	6783.559	4264.848	5.378	38.601	980.336	136.581	83.859	52.722
2004	73861	10375.132	5911.240	4463.891	6.044	43.025	903.963	126.978	72.346	54.632
2005	71649	10051.029	5316.101	4734.928	6.609	47.109	867.197	121.652	64.343	57.309
2006	67551	9542.523	4634.547	4907.976	7.266	51.433	810.467	114.490	55.605	58.885
2007	63503	8936.533	3994.353	4942.180	7.783	55.303	754.310	106.151	47.446	58.705
2008	63171	8944.180	3671.043	5273.137	8.347	58.956	742.239	105.091	43.134	61.958
2009	59747	8390.033	3183.386	5206.647	8.714	62.058	694.108	97.471	36.983	60.488
2010	58008	8157.570	2846.228	5311.342	9.156	65.109	666.189	93.685	32.687	60.998
2011	57368	8035.356	2557.800	5477.556	9.548	68.168	652.644	91.414	29.099	62.315
2012	57411	7970.766	2305.842	5664.923	9.867	71.071	646.453	89.752	25.964	63.788
2013	57067	7743.216	2064.042	5679.174	9.952	73.344	635.688	86.254	22.992	63.262
2014	57538	7774.935	1889.616	5885.319	10.229	75.696	633.906	85.658	20.818	64.840
2015	58395	7722.535	1747.478	5975.057	10.232	77.372	719.266	95.120	21.524	73.596
2016	58658	7600.353	1571.137	6029.216	10.279	79.328	715.621	92.723	19.168	73.556
2017	59004	7470.266	1419.971	6050.295	10.254	80.992	713.034	90.274	17.160	73.115
2018	56077	6907.050	1207.478	5699.572	10.164	82.518	671.224	82.675	14.453	68.222
2019	55886	6732.046	1091.013	5641.033	10.094	83.794	662.462	79.801	12.933	66.868
2020	55313	6429.836	978.452	5451.384	9.855	84.783	743.037	86.373	13.144	73.230
2021	56292	6562.016	909.925	5652.090	10.041	86.133	750.730	87.513	12.135	75.378
2022	55827	6352.366	824.324	5528.042	9.902	87.023	738.885	84.075	10.910	73.165
2023	55338	6134.123	751.599	5382.524	9.727	87.747	726.728	80.557	9.870	70.686
2024	54770	5922.193	684.017	5238.176	9.564	88.450	713.771	77.179	8.914	68.265
2025	53295	5504.188	609.085	4895.102	9.185	88.934	801.612	82.789	9.161	73.628
2026	55278	5641.075	591.329	5049.746	9.135	89.517	828.283	84.526	8.861	75.666
2027	54199	5426.216	544.636	4881.580	9.007	89.963	808.875	80.982	8.128	72.854
2028	53090	5197.830	500.432	4697.398	8.848	90.372	789.020	77.249	7.437	69.812
2029	51974	4973.547	462.680	4510.867	8.679	90.697	769.023	73.590	6.846	66.744
2030	49479	4450.618	399.911	4050.707	8.187	91.014	866.605	77.952	7.004	70.947
2031	51987	4555.052	400.104	4154.949	7.992	91.216	909.317	79.674	6.998	72.676
2032	50677	4349.999	372.125	3977.874	7.849	91.445	884.689	75.939	6.496	69.443
2033	49380	4147.948	349.807	3798.141	7.692	91.567	859.955	72.237	6.092	66.145
2034	48076	3966.133	329.078	3637.055	7.565	91.703	834.943	68.881	5.715	63.166
2035	44518	3289.064	265.337	3023.727	6.792	91.933	946.825	69.952	5.643	64.309
2036	46347	3313.192	262.041	3051.152	6.583	92.091	987.211	70.572	5.582	64.990
2037	44841	3117.951	243.297	2874.654	6.411	92.197	955.859	66.464	5.186	61.278
2038	43378	2949.775	229.892	2719.883	6.270	92.206	924.621	62.876	4.900	57.976
2039	41973	2766.312	216.523	2549.789	6.075	92.173	893.753	58.905	4.611	54.294

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	51804.137	53095.61	3.927	50.616	371.243	28.800	14.223	14.577

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.244	76.881	0.236	2.389	464.104	45.871	44.775	1.096
1993	32768	3226.680	3081.131	145.549	0.444	4.511	460.480	45.344	43.298	2.045
1994	33005	3277.266	3045.209	232.057	0.703	7.081	456.915	45.370	42.157	3.213
1995	33730	3309.378	2976.932	332.446	0.986	10.046	459.716	45.104	40.573	4.531
1996	33750	3312.987	2863.592	449.395	1.332	13.565	454.019	44.568	38.522	6.045
1997	33699	3267.066	2704.521	562.544	1.669	17.219	447.056	43.341	35.879	7.463
1998	33274	3178.725	2508.274	670.451	2.015	21.092	435.211	41.577	32.807	8.769
1999	33891	3120.351	2340.152	780.200	2.302	25.004	437.317	40.264	30.196	10.067
2000	33827	3142.808	2230.574	912.234	2.697	29.026	431.074	40.050	28.425	11.625
2001	32506	2961.588	1982.375	979.213	3.012	33.064	409.647	37.323	24.982	12.340
2002	32078	2940.627	1840.097	1100.531	3.431	37.425	400.295	36.695	22.962	13.733
2003	30568	2819.545	1648.112	1171.433	3.832	41.547	377.883	34.855	20.374	14.481
2004	29388	2730.466	1483.568	1246.898	4.243	45.666	359.671	33.417	18.157	15.260
2005	27954	2670.510	1347.201	1323.309	4.734	49.553	338.339	32.322	16.306	16.017
2006	27201	2623.285	1226.380	1396.906	5.135	53.250	326.354	31.474	14.714	16.760
2007	26302	2536.599	1095.121	1441.478	5.480	56.827	312.424	30.131	13.008	17.122
2008	25998	2469.443	986.966	1482.477	5.702	60.033	305.468	29.015	11.597	17.419
2009	25040	2386.945	880.772	1506.173	6.015	63.100	290.901	27.730	10.232	17.498
2010	24840	2329.274	793.791	1535.484	6.181	65.921	285.273	26.750	9.116	17.634
2011	24792	2286.581	715.008	1571.573	6.339	68.730	282.045	26.013	8.134	17.879
2012	24500	2243.311	643.499	1599.812	6.530	71.315	275.872	25.260	7.246	18.014
2013	24451	2176.503	573.266	1603.237	6.557	73.661	272.368	24.245	6.386	17.859
2014	25296	2211.619	536.177	1675.442	6.623	75.756	278.691	24.366	5.907	18.459
2015	26316	2237.016	504.859	1732.157	6.582	77.432	324.141	27.554	6.218	21.335
2016	26735	2229.057	465.297	1763.761	6.597	79.126	326.164	27.194	5.677	21.518
2017	27616	2221.649	430.250	1791.399	6.487	80.634	333.726	26.848	5.199	21.648
2018	25256	1939.420	350.507	1588.913	6.291	81.927	302.304	23.214	4.195	19.019
2019	25429	1904.400	318.819	1585.581	6.235	83.259	301.434	22.574	3.779	18.795
2020	25379	1806.054	283.872	1522.182	5.998	84.282	340.922	24.261	3.813	20.448
2021	25448	1748.172	256.008	1492.165	5.864	85.356	339.386	23.314	3.414	19.900
2022	25539	1701.148	233.594	1467.554	5.746	86.268	338.015	22.515	3.092	19.423
2023	25620	1652.087	214.244	1437.843	5.612	87.032	336.461	21.696	2.814	18.883
2024	25659	1597.127	195.091	1402.035	5.464	87.785	334.391	20.814	2.542	18.272
2025	25260	1467.622	171.282	1296.340	5.132	88.329	379.931	22.075	2.576	19.498
2026	25480	1390.505	154.958	1235.548	4.849	88.856	381.790	20.835	2.322	18.514
2027	25264	1342.095	142.554	1199.541	4.748	89.378	377.042	20.030	2.128	17.902
2028	25022	1289.536	131.460	1158.076	4.628	89.806	371.870	19.165	1.954	17.211
2029	24767	1242.216	121.879	1120.337	4.524	90.189	366.459	18.380	1.803	16.577
2030	23959	1096.803	103.584	993.219	4.145	90.556	419.641	19.210	1.814	17.396
2031	23963	1019.991	93.835	926.156	3.865	90.800	419.142	17.841	1.641	16.200
2032	23615	977.406	87.383	890.023	3.769	91.060	412.259	17.063	1.525	15.537
2033	23259	937.450	82.418	855.032	3.676	91.208	405.051	16.326	1.435	14.890
2034	22879	900.763	77.648	823.115	3.598	91.380	397.339	15.644	1.349	14.295
2035	21733	745.023	62.840	682.183	3.139	91.565	462.224	15.845	1.336	14.509
2036	20904	680.360	56.007	624.352	2.987	91.768	445.263	14.492	1.193	13.299
2037	20397	644.109	52.428	591.682	2.901	91.860	434.791	13.730	1.118	12.613
2038	19890	612.448	49.730	562.718	2.829	91.880	423.966	13.055	1.060	11.995
2039	19392	577.529	47.057	530.473	2.736	91.852	412.930	12.298	1.002	11.296

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	554877.640	307173.6	14.221	35.633	593.003	236.673	152.339	84.333

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.179	50.196	0.187	0.424	382.401	168.642	167.927	0.715
1993	29774	13246.371	13138.138	108.233	0.364	0.817	418.406	186.148	184.627	1.521
1994	29804	13355.662	13183.711	171.951	0.577	1.287	412.601	184.893	182.513	2.380
1995	29755	13397.439	13142.120	255.319	0.858	1.906	405.540	182.598	179.118	3.480
1996	30900	13960.356	13603.600	356.755	1.155	2.555	415.680	187.801	183.001	4.799
1997	31128	14109.552	13643.231	466.321	1.498	3.305	412.949	187.180	180.993	6.186
1998	32096	14599.657	13989.294	610.363	1.902	4.181	419.803	190.958	182.975	7.983
1999	34616	15728.102	14935.887	792.215	2.289	5.037	446.673	202.950	192.727	10.222
2000	34299	15579.803	14637.483	942.320	2.747	6.048	437.088	198.541	186.532	12.008
2001	34592	15696.614	14561.282	1135.332	3.282	7.233	435.935	197.812	183.504	14.308
2002	34291	15519.777	14201.789	1317.988	3.844	8.492	427.910	193.668	177.221	16.447
2003	35074	15888.389	14330.491	1557.898	4.442	9.805	433.587	196.413	177.154	19.259
2004	33512	15091.573	13400.101	1691.471	5.047	11.208	410.143	184.701	164.000	20.701
2005	35392	15803.656	13782.476	2021.179	5.711	12.789	428.364	191.278	166.815	24.463
2006	33981	15100.563	12947.974	2152.589	6.335	14.255	407.699	181.174	155.348	25.826
2007	34000	14974.384	12592.438	2381.945	7.006	15.907	403.863	177.871	149.577	28.294
2008	37425	16406.197	13548.395	2857.802	7.636	17.419	439.732	192.768	159.189	33.578
2009	36826	16083.194	12979.184	3104.010	8.429	19.300	427.825	186.846	150.785	36.061
2010	36788	15927.400	12600.821	3326.579	9.043	20.886	422.489	182.917	144.713	38.204
2011	37636	16221.836	12526.793	3695.043	9.818	22.778	428.164	184.547	142.510	42.036
2012	38265	16358.849	12326.940	4031.909	10.537	24.647	430.867	184.202	138.803	45.400
2013	40112	16994.822	12466.785	4528.037	11.288	26.644	446.821	189.311	138.872	50.439
2014	40084	16855.093	12024.312	4830.781	12.052	28.661	441.613	185.696	132.474	53.222
2015	42200	17572.483	12257.131	5315.352	12.596	30.248	519.788	216.445	150.974	65.471
2016	42606	17579.955	11875.808	5704.148	13.388	32.447	519.788	214.473	144.883	69.590
2017	44364	18080.688	11823.884	6256.805	14.103	34.605	536.117	218.496	142.886	75.610
2018	45359	18209.262	11556.987	6652.275	14.666	36.532	542.932	217.960	138.334	79.626
2019	46876	18648.302	11441.809	7206.493	15.374	38.644	555.657	221.054	135.629	85.425
2020	48331	19002.597	11319.311	7683.286	15.897	40.433	649.239	255.266	152.055	103.211
2021	48338	18885.717	10830.507	8055.211	16.664	42.652	644.660	251.867	144.440	107.427
2022	49708	19235.076	10641.714	8593.362	17.288	44.675	657.895	254.582	140.846	113.736
2023	51083	19521.158	10434.405	9086.753	17.788	46.548	670.849	256.363	137.030	119.332
2024	52397	19918.620	10233.066	9685.554	18.485	48.626	682.854	259.583	133.359	126.224
2025	53387	20150.545	9984.346	10166.20	19.042	50.451	803.004	303.086	150.175	152.911
2026	54232	20393.792	9688.180	10705.61	19.740	52.494	812.615	305.582	145.168	160.414
2027	55049	20615.351	9372.752	11242.60	20.423	54.535	821.568	307.668	139.881	167.787
2028	55809	20731.894	9012.090	11719.80	21.000	56.530	829.419	308.115	133.937	174.178
2029	56527	20781.967	8634.764	12147.20	21.489	58.451	836.392	307.495	127.762	179.733
2030	56756	20753.201	8268.900	12484.30	21.996	60.156	994.067	363.487	144.828	218.660
2031	58288	21048.417	8148.422	12899.99	22.131	61.287	1019.54	368.165	142.527	225.638
2032	58782	21169.329	7819.081	13350.25	22.711	63.064	1026.18	369.560	136.500	233.060
2033	59236	21109.293	7454.825	13654.47	23.051	64.685	1031.59	367.618	129.826	237.793
2034	59614	21109.429	7096.705	14012.72	23.506	66.381	1035.33	366.613	123.250	243.362
2035	58938	20794.840	6723.580	14071.26	23.875	67.667	1253.51	442.268	142.998	299.270
2036	56014	19354.577	5955.560	13359.02	23.849	69.023	1193.11	412.258	127.707	284.551
2037	55953	19064.169	5574.973	13489.20	24.108	70.757	1192.72	406.385	118.840	287.545
2038	55859	18854.812	5233.740	13621.07	24.385	72.242	1190.66	401.900	111.560	290.340
2039	55757	18437.457	4831.257	13606.20	24.403	73.797	1187.28	392.602	102.875	289.726

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9147801	2946250.006	1966377.735	979872.3	10.712	33.258	2499.55	808.881	537.294	271.588

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198533	60494.150	60022.803	471.347	0.237	0.779	2829.84	862.271	855.551	6.721
1993	202515	62694.848	61778.042	916.805	0.453	1.462	2845.86	881.034	868.142	12.892
1994	200665	63202.598	61754.980	1447.617	0.721	2.290	2777.91	874.966	854.906	20.060
1995	201036	63766.862	61676.902	2089.960	1.040	3.278	2739.86	869.097	840.577	28.520
1996	201202	64591.163	61728.849	2862.313	1.423	4.431	2706.47	868.908	830.344	38.564
1997	198673	64686.912	61105.025	3581.887	1.803	5.537	2635.34	858.147	810.539	47.608
1998	197623	65295.961	60881.210	4414.751	2.234	6.761	2584.42	854.046	796.176	57.870
1999	211404	67327.521	61628.044	5699.477	2.696	8.465	2727.28	868.771	795.052	73.718
2000	208596	67596.897	60964.309	6632.588	3.180	9.812	2657.45	861.419	776.668	84.752
2001	203734	67008.811	59389.319	7619.491	3.740	11.371	2566.51	844.458	748.149	96.309
2002	200990	67067.744	58349.198	8718.546	4.338	13.000	2506.89	836.925	727.776	109.149
2003	196550	66756.217	57047.268	9708.949	4.940	14.544	2428.31	825.244	704.800	120.444
2004	188393	65058.725	54514.116	10544.61	5.597	16.208	2304.01	796.234	666.698	129.536
2005	186693	65214.724	53542.324	11672.40	6.252	17.898	2257.67	789.321	647.485	141.836
2006	180405	63771.146	51245.264	12525.88	6.943	19.642	2162.28	765.117	614.209	150.908
2007	176005	63110.718	49710.135	13400.58	7.614	21.233	2088.18	749.650	589.778	159.873
2008	177991	63718.624	49050.772	14667.85	8.241	23.020	2088.51	748.674	575.552	173.122
2009	173275	62794.698	47316.015	15478.68	8.933	24.650	2009.92	729.515	548.844	180.671
2010	171013	61917.074	45586.880	16330.19	9.549	26.374	1960.57	711.083	522.628	188.454
2011	170893	61680.114	44201.433	17478.68	10.228	28.338	1940.37	701.700	501.876	199.824
2012	172081	62023.127	43272.824	18750.30	10.896	30.231	1933.45	698.386	486.200	212.186
2013	173439	62037.765	42145.217	19892.55	11.469	32.065	1927.36	691.059	468.342	222.716
2014	174994	61921.017	40773.120	21147.90	12.085	34.153	1922.84	682.195	448.016	234.179
2015	178282	61856.204	39644.766	22211.44	12.459	35.908	2188.79	761.899	486.724	275.175
2016	177866	60464.119	37396.806	23067.31	12.969	38.150	2162.22	737.655	454.612	283.043
2017	180433	60243.839	36026.208	24217.63	13.422	40.199	2172.00	728.017	433.672	294.345
2018	178369	60713.327	35465.682	25247.64	14.155	41.585	2126.06	726.721	422.731	303.990
2019	180561	61148.172	34571.216	26576.96	14.719	43.463	2130.64	724.841	407.943	316.898
2020	181932	61149.317	33655.248	27494.07	15.112	44.962	2430.48	821.432	449.610	371.823
2021	179675	58727.786	30845.531	27882.25	15.518	47.477	2382.05	783.216	408.937	374.279
2022	181097	58848.802	29849.908	28998.89	16.013	49.277	2381.74	778.881	392.578	386.303
2023	182464	58816.149	28839.522	29976.63	16.429	50.967	2380.09	772.407	376.188	396.218
2024	183572	58955.232	27838.531	31116.70	16.951	52.780	2375.23	768.316	360.203	408.113
2025	182518	58297.744	26711.979	31585.77	17.306	54.180	2721.76	876.861	398.337	478.524
2026	182560	56469.971	24684.621	31785.35	17.411	56.287	2710.70	846.150	366.525	479.625
2027	181998	56209.427	23572.908	32636.52	17.932	58.062	2690.24	838.883	348.447	490.436
2028	181276	55733.105	22397.550	33335.56	18.389	59.813	2667.01	828.298	329.523	498.775
2029	180457	55145.838	21211.145	33934.69	18.805	61.536	2641.90	815.951	310.533	505.418
2030	176361	53615.097	19974.258	33640.84	19.075	62.745	3050.30	939.056	345.471	593.585
2031	177967	52046.561	18761.916	33284.65	18.703	63.952	3072.13	910.364	323.875	586.489
2032	176517	51582.636	17798.973	33783.66	19.139	65.494	3039.40	900.496	306.475	594.020
2033	175009	50839.758	16818.863	34020.90	19.439	66.918	3004.36	885.375	288.727	596.647
2034	173357	50215.451	15869.558	34345.89	19.812	68.397	2966.11	872.104	271.526	600.578
2035	166118	47773.075	14735.441	33037.63	19.888	69.155	3471.68	1016.05	307.954	708.091
2036	159755	43298.709	12697.745	30600.96	19.155	70.674	3341.47	922.274	265.589	656.685
2037	157185	42241.563	11750.986	30490.58	19.398	72.181	3288.24	900.450	245.825	654.625
2038	154625	41356.353	10999.585	30356.77	19.632	73.403	3232.56	881.531	229.955	651.576
2039	152135	40161.050	10139.898	30021.15	19.733	74.752	3175.38	855.178	211.641	643.537

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2343792	1580465.217	1154770.950	425694.3	18.163	26.935	640.418	433.910	315.530	118.381

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.581	93.825	0.207	0.286	647.451	467.274	465.935	1.339
1993	46292	33491.183	33305.918	185.265	0.400	0.553	650.518	470.643	468.035	2.608
1994	47019	34074.347	33774.370	299.977	0.638	0.880	650.904	471.719	467.556	4.163
1995	47843	34694.454	34242.562	451.893	0.945	1.302	652.042	472.861	466.682	6.179
1996	48250	35027.269	34402.477	624.792	1.295	1.784	649.027	471.202	462.764	8.438
1997	49044	35590.763	34760.319	830.444	1.693	2.333	650.551	472.153	461.085	11.068
1998	49699	36100.785	35027.461	1073.324	2.160	2.973	649.940	472.184	458.073	14.112
1999	48901	35451.030	34159.094	1291.936	2.642	3.644	630.861	457.448	440.680	16.767
2000	50356	36447.986	34832.649	1615.337	3.208	4.432	641.520	464.474	443.758	20.716
2001	50422	36411.326	34468.229	1943.097	3.854	5.337	635.180	458.863	434.209	24.654
2002	51487	37078.545	34728.389	2350.156	4.565	6.338	642.189	462.696	433.159	29.537
2003	51461	36999.876	34261.682	2738.194	5.321	7.401	635.781	457.395	423.292	34.103
2004	51464	36861.555	33692.922	3168.633	6.157	8.596	629.390	451.138	412.058	39.079
2005	51498	36689.529	33065.560	3623.969	7.037	9.877	622.764	444.069	399.860	44.208
2006	51446	36504.774	32402.535	4102.239	7.974	11.238	616.613	437.979	388.366	49.613
2007	51946	36663.202	31991.062	4672.140	8.994	12.743	616.303	435.498	379.553	55.945
2008	51097	35898.803	30799.990	5098.814	9.979	14.203	599.563	421.800	361.401	60.399
2009	51332	35934.525	30225.128	5709.397	11.122	15.888	595.428	417.468	350.598	66.870
2010	51009	35502.829	29294.627	6208.202	12.171	17.486	584.791	407.730	335.847	71.883
2011	50683	35136.342	28345.674	6790.668	13.398	19.327	575.466	399.726	321.845	77.882
2012	51442	35450.201	27935.898	7514.303	14.607	21.197	577.983	399.173	313.879	85.293
2013	51287	35123.224	26974.365	8148.858	15.889	23.201	569.928	391.249	299.755	91.494
2014	51493	35079.370	26252.403	8826.966	17.142	25.163	565.803	386.476	288.462	98.014
2015	50706	34324.171	25056.936	9267.235	18.277	26.999	622.518	422.780	307.627	115.152
2016	49132	33054.753	23402.326	9652.426	19.646	29.201	597.275	403.264	284.489	118.775
2017	48626	32471.234	22263.611	10207.62	20.992	31.436	585.350	392.399	268.002	124.397
2018	50807	33657.595	22257.611	11399.98	22.438	33.870	605.589	402.871	265.298	137.574
2019	51412	33863.424	21620.088	12243.34	23.814	36.155	606.663	401.412	255.119	146.293
2020	51855	33910.830	20967.519	12943.31	24.961	38.169	692.746	455.532	280.111	175.421
2021	48452	31531.880	18740.075	12791.81	26.401	40.568	642.358	420.521	248.448	172.073
2022	48784	31560.212	18035.856	13524.36	27.723	42.853	641.592	417.708	237.203	180.506
2023	49083	31508.781	17319.545	14189.24	28.909	45.033	640.245	413.791	225.920	187.872
2024	49303	31517.293	16601.321	14915.97	30.254	47.326	637.932	410.740	214.805	195.935
2025	49031	31175.389	15817.287	15358.10	31.323	49.264	731.171	468.912	235.872	233.040
2026	45882	29044.598	14114.890	14929.71	32.540	51.403	681.266	435.206	209.582	225.624
2027	45697	28825.765	13373.905	15451.86	33.814	53.604	675.479	430.203	197.689	232.514
2028	45464	28513.846	12611.842	15902.00	34.977	55.769	668.884	423.769	185.551	238.218
2029	45194	28148.109	11847.917	16300.19	36.068	57.909	661.637	416.486	173.454	243.032
2030	44076	27314.475	11055.777	16258.70	36.888	59.524	762.338	478.407	191.219	287.188
2031	41435	25423.102	9965.439	15457.66	37.305	60.802	715.272	444.684	172.027	272.657
2032	41042	25085.902	9364.035	15721.87	38.306	62.672	706.698	437.933	161.237	276.697
2033	40629	24645.067	8774.387	15870.68	39.063	64.397	697.467	429.194	150.629	278.565
2034	40179	24239.126	8208.148	16030.98	39.899	66.137	687.462	420.967	140.440	280.526
2035	38246	22944.147	7525.549	15418.60	40.314	67.201	799.305	487.980	157.276	330.704
2036	33718	19950.581	6234.921	13715.66	40.678	68.748	705.253	424.953	130.411	294.542
2037	33150	19415.334	5735.050	13680.28	41.267	70.461	693.490	413.871	119.975	293.896
2038	32584	18939.317	5343.528	13595.79	41.726	71.786	681.184	403.701	111.711	291.990
2039	32031	18379.752	4907.604	13472.15	42.060	73.299	668.548	391.373	102.432	288.941

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3261467	398833.796	201377.081	197456.7	6.054	49.509	891.164	109.498	55.024	54.474

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.743	250.501	0.267	1.978	1335.88	180.485	176.914	3.571
1993	93680	12730.613	12252.628	477.985	0.510	3.755	1316.45	178.900	172.181	6.719
1994	90835	12495.323	11751.135	744.188	0.819	5.956	1257.48	172.983	162.677	10.306
1995	89704	12365.590	11314.231	1051.360	1.172	8.502	1222.55	168.534	154.198	14.336
1996	88296	12290.551	10857.343	1433.208	1.623	11.661	1187.71	165.338	146.047	19.291
1997	84792	11719.531	9994.091	1725.440	2.035	14.723	1124.73	155.473	132.569	22.905
1998	82538	11416.794	9351.944	2064.850	2.502	18.086	1079.39	149.327	122.300	27.027
1999	93972	13028.038	10186.706	2841.333	3.024	21.809	1212.31	168.109	131.417	36.692
2000	90082	12426.299	9255.370	3170.929	3.520	25.518	1147.62	158.354	117.911	40.444
2001	86173	11939.281	8366.796	3572.485	4.146	29.922	1085.55	150.461	105.400	45.062
2002	83080	11528.794	7565.804	3962.990	4.770	34.375	1036.24	143.865	94.366	49.499
2003	79381	11048.407	6790.590	4257.817	5.364	38.538	980.730	136.581	83.895	52.686
2004	73952	10375.132	5918.721	4456.410	6.026	42.953	904.418	126.978	72.385	54.593
2005	71755	10051.029	5324.139	4726.890	6.588	47.029	867.728	121.652	64.385	57.267
2006	67669	9542.523	4642.805	4899.719	7.241	51.346	811.060	114.490	55.647	58.843
2007	63632	8936.533	4002.623	4933.910	7.754	55.211	754.957	106.151	47.488	58.663
2008	63319	8944.180	3679.771	5264.410	8.314	58.858	742.977	105.091	43.178	61.914
2009	59908	8390.033	3192.039	5197.994	8.677	61.954	694.904	97.471	37.026	60.445
2010	58185	8157.570	2854.954	5302.615	9.113	65.002	667.055	93.685	32.730	60.955
2011	57564	8035.356	2566.560	5468.796	9.500	68.059	653.599	91.414	29.141	62.272
2012	57629	7970.766	2314.560	5656.206	9.815	70.962	647.504	89.752	26.006	63.746
2013	57309	7743.216	2072.675	5670.540	9.895	73.232	636.848	86.254	23.033	63.221
2014	57807	7774.935	1898.293	5876.642	10.166	75.584	635.181	85.658	20.858	64.799
2015	58696	7722.535	1756.312	5966.223	10.165	77.257	720.619	95.120	21.562	73.558
2016	58989	7600.353	1579.787	6020.567	10.206	79.214	717.100	92.723	19.205	73.519
2017	59368	7470.266	1428.454	6041.812	10.177	80.878	714.653	90.274	17.195	73.079
2018	56454	6907.050	1215.262	5691.788	10.082	82.405	672.894	82.675	14.485	68.190
2019	56294	6732.046	1098.608	5633.439	10.007	83.681	664.277	79.801	12.964	66.837
2020	55755	6429.836	985.859	5443.977	9.764	84.667	744.847	86.373	13.170	73.203
2021	56774	6562.016	917.224	5644.792	9.943	86.022	752.681	87.513	12.160	75.353
2022	56340	6352.366	831.377	5520.988	9.799	86.912	740.974	84.075	10.934	73.141
2023	55884	6134.123	758.437	5375.686	9.619	87.636	728.961	80.557	9.893	70.664
2024	55348	5922.193	690.605	5231.587	9.452	88.339	716.146	77.179	8.936	68.243
2025	53903	5504.188	615.463	4888.725	9.069	88.818	803.821	82.789	9.178	73.611
2026	55948	5641.075	597.859	5043.217	9.014	89.402	830.727	84.526	8.877	75.649
2027	54897	5426.216	550.986	4875.229	8.881	89.846	811.464	80.982	8.144	72.838
2028	53815	5197.830	506.548	4691.282	8.717	90.255	791.757	77.249	7.453	69.797
2029	52726	4973.547	468.601	4504.946	8.544	90.578	771.909	73.590	6.860	66.729
2030	50251	4450.618	405.573	4045.045	8.050	90.887	869.128	77.952	7.015	70.937
2031	52844	4555.052	406.023	4149.029	7.851	91.086	912.208	79.674	7.009	72.665
2032	51557	4349.999	377.867	3972.132	7.704	91.313	887.753	75.939	6.506	69.433
2033	50282	4147.948	355.437	3792.511	7.542	91.431	863.192	72.237	6.102	66.135
2034	48998	3966.133	334.566	3631.567	7.412	91.564	838.345	68.881	5.724	63.156
2035	45443	3289.064	270.439	3018.625	6.643	91.778	949.704	69.952	5.652	64.300
2036	47352	3313.192	267.216	3045.976	6.433	91.935	990.434	70.572	5.589	64.983
2037	45854	3117.951	248.237	2869.714	6.258	92.038	959.242	66.464	5.193	61.271
2038	44397	2949.775	234.698	2715.077	6.115	92.044	928.155	62.876	4.907	57.969
2039	42997	2766.312	221.155	2545.157	5.919	92.005	897.427	58.905	4.616	54.289

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1361396	104899.750	51870.765	53028.99	3.895	50.552	371.988	28.800	14.173	14.627

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.255	76.870	0.236	2.389	464.104	45.871	44.775	1.096
1993	32768	3226.680	3081.171	145.509	0.444	4.510	460.482	45.344	43.298	2.045
1994	33006	3277.266	3045.305	231.960	0.703	7.078	456.920	45.370	42.158	3.212
1995	33732	3309.378	2977.114	332.264	0.985	10.040	459.725	45.104	40.574	4.530
1996	33754	3312.987	2863.887	449.099	1.331	13.556	454.035	44.568	38.523	6.044
1997	33705	3267.066	2704.959	562.107	1.668	17.205	447.080	43.341	35.880	7.461
1998	33282	3178.725	2508.868	669.857	2.013	21.073	435.246	41.577	32.810	8.767
1999	33902	3120.351	2340.921	779.430	2.299	24.979	437.368	40.264	30.200	10.064
2000	33842	3142.808	2231.563	911.245	2.693	28.995	431.142	40.050	28.429	11.621
2001	32525	2961.588	1983.519	978.070	3.007	33.025	409.735	37.323	24.987	12.335
2002	32103	2940.627	1841.423	1099.204	3.424	37.380	400.409	36.695	22.968	13.728
2003	30597	2819.545	1649.575	1169.970	3.824	41.495	378.021	34.855	20.380	14.475
2004	29423	2730.466	1485.156	1245.310	4.232	45.608	359.837	33.417	18.163	15.254
2005	27994	2670.510	1348.891	1321.619	4.721	49.489	338.528	32.322	16.312	16.010
2006	27247	2623.285	1228.193	1395.092	5.120	53.181	326.576	31.474	14.721	16.753
2007	26354	2536.599	1096.987	1439.612	5.463	56.754	312.674	30.131	13.015	17.116
2008	26058	2469.443	988.894	1480.549	5.682	59.955	305.755	29.015	11.603	17.412
2009	25106	2386.945	882.728	1504.216	5.991	63.018	291.218	27.730	10.239	17.491
2010	24914	2329.274	795.781	1533.493	6.155	65.836	285.630	26.750	9.123	17.627
2011	24876	2286.581	717.011	1569.570	6.310	68.643	282.445	26.013	8.141	17.872
2012	24592	2243.311	645.485	1597.826	6.497	71.226	276.313	25.260	7.252	18.007
2013	24554	2176.503	575.222	1601.281	6.522	73.571	272.856	24.245	6.392	17.853
2014	25414	2211.619	538.196	1673.422	6.585	75.665	279.250	24.366	5.914	18.452
2015	26452	2237.016	506.964	1730.052	6.540	77.337	324.755	27.554	6.224	21.330
2016	26886	2229.057	467.421	1761.636	6.552	79.031	326.843	27.194	5.682	21.512
2017	27788	2221.649	432.412	1789.238	6.439	80.536	334.499	26.848	5.205	21.642
2018	25428	1939.420	352.437	1586.983	6.241	81.828	303.084	23.214	4.201	19.013
2019	25618	1904.400	320.719	1583.681	6.182	83.159	302.293	22.574	3.785	18.790
2020	25585	1806.054	285.735	1520.320	5.942	84.179	341.802	24.261	3.817	20.444
2021	25673	1748.172	257.831	1490.342	5.805	85.251	340.356	23.314	3.418	19.896
2022	25781	1701.148	235.377	1465.770	5.685	86.164	339.067	22.515	3.096	19.420
2023	25881	1652.087	215.990	1436.097	5.549	86.926	337.597	21.696	2.817	18.879
2024	25938	1597.127	196.780	1400.347	5.399	87.679	335.614	20.814	2.546	18.268
2025	25557	1467.622	172.919	1294.703	5.066	88.218	381.115	22.075	2.579	19.496
2026	25801	1390.505	156.546	1233.960	4.783	88.742	383.108	20.835	2.324	18.511
2027	25603	1342.095	144.099	1197.997	4.679	89.263	378.453	20.030	2.130	17.900
2028	25378	1289.536	132.957	1156.579	4.557	89.690	373.378	19.165	1.956	17.209
2029	25141	1242.216	123.336	1118.880	4.450	90.071	368.065	18.380	1.806	16.574
2030	24349	1096.803	104.972	991.831	4.073	90.429	421.130	19.210	1.816	17.395
2031	24377	1019.991	95.157	924.833	3.794	90.671	420.801	17.841	1.643	16.198
2032	24046	977.406	88.667	888.739	3.696	90.928	414.040	17.063	1.527	15.536
2033	23706	937.450	83.683	853.766	3.601	91.073	406.956	16.326	1.437	14.889
2034	23341	900.763	78.884	821.879	3.521	91.242	399.367	15.644	1.350	14.294
2035	22205	745.023	63.991	681.033	3.067	91.411	464.065	15.845	1.337	14.508
2036	21381	680.360	57.058	623.302	2.915	91.614	447.215	14.492	1.193	13.298
2037	20883	644.109	53.436	590.673	2.828	91.704	436.866	13.730	1.118	12.612
2038	20385	612.448	50.711	561.737	2.756	91.720	426.162	13.055	1.060	11.994
2039	19895	577.529	48.004	529.525	2.662	91.688	415.240	12.298	1.002	11.296

Results for PHIM for Run 4 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2181146	862051.244	558358.939	303692.3	13.924	35.229	595.977	236.673	152.566	84.107

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.224	50.151	0.187	0.424	382.401	168.642	167.927	0.715
1993	29774	13246.371	13138.325	108.046	0.363	0.816	418.408	186.148	184.628	1.520
1994	29805	13355.662	13184.170	171.492	0.575	1.284	412.606	184.893	182.515	2.378
1995	29757	13397.439	13142.996	254.444	0.855	1.899	405.549	182.598	179.122	3.476
1996	30903	13960.356	13605.142	355.214	1.149	2.544	415.697	187.801	183.009	4.792
1997	31133	14109.552	13645.656	463.897	1.490	3.288	412.976	187.180	181.005	6.174
1998	32104	14599.657	13992.936	606.721	1.890	4.156	419.844	190.958	182.993	7.965
1999	34628	15728.102	14941.324	786.778	2.272	5.002	446.735	202.950	192.755	10.195
2000	34316	15579.803	14644.727	935.076	2.725	6.002	437.174	198.541	186.570	11.971
2001	34614	15696.614	14570.775	1125.839	3.253	7.172	436.050	197.812	183.553	14.258
2002	34319	15519.777	14213.582	1306.195	3.806	8.416	428.056	193.668	177.283	16.386
2003	35110	15888.389	14345.421	1542.968	4.395	9.711	433.776	196.413	177.233	19.180
2004	33555	15091.573	13417.317	1674.256	4.990	11.094	410.369	184.701	164.091	20.610
2005	35446	15803.656	13803.734	1999.922	5.642	12.655	428.649	191.278	166.928	24.350
2006	34043	15100.563	12971.731	2128.832	6.253	14.098	408.026	181.174	155.475	25.699
2007	34072	14974.384	12619.463	2354.921	6.912	15.726	404.244	177.871	149.722	28.149
2008	37517	16406.197	13582.118	2824.080	7.527	17.213	440.218	192.768	159.370	33.398
2009	36929	16083.194	13016.119	3067.075	8.305	19.070	428.365	186.846	150.981	35.865
2010	36905	15927.400	12641.517	3285.883	8.904	20.630	423.098	182.917	144.928	37.989
2011	37770	16221.836	12572.188	3649.647	9.663	22.498	428.856	184.547	142.748	41.798
2012	38418	16358.849	12376.881	3981.969	10.365	24.341	431.650	184.202	139.063	45.139
2013	40290	16994.822	12522.954	4471.868	11.099	26.313	447.726	189.311	139.162	50.148
2014	40280	16855.093	12084.227	4770.866	11.844	28.305	442.603	185.696	132.782	52.914
2015	42429	17572.483	12324.555	5247.928	12.369	29.864	520.902	216.445	151.310	65.135
2016	42858	17579.955	11947.272	5632.683	13.143	32.040	521.002	214.473	145.236	69.237
2017	44651	18080.688	11901.731	6178.958	13.838	34.174	537.494	218.496	143.269	75.227
2018	45681	18209.262	11640.372	6568.890	14.380	36.074	544.488	217.960	138.747	79.213
2019	47238	18648.302	11531.801	7116.501	15.065	38.162	557.407	221.054	136.076	84.978
2020	48737	19002.597	11416.135	7586.462	15.566	39.923	651.087	255.266	152.511	102.755
2021	48776	18885.717	10930.402	7955.316	16.310	42.123	646.655	251.867	144.911	106.956
2022	50192	19235.076	10747.298	8487.779	16.911	44.127	660.105	254.582	141.345	113.236
2023	51616	19521.158	10545.550	8975.608	17.389	45.979	673.291	256.363	137.558	118.805
2024	52983	19918.620	10349.825	9568.794	18.060	48.039	685.541	259.583	133.916	125.667
2025	54026	20150.545	10106.310	10044.24	18.591	49.846	805.655	303.086	150.708	152.378
2026	54929	20393.792	9815.327	10578.47	19.258	51.871	815.602	305.582	145.741	159.841
2027	55802	20615.351	9503.918	11111.43	19.912	53.899	824.840	307.668	140.484	167.185
2028	56618	20731.894	9146.202	11585.69	20.463	55.883	832.995	308.115	134.563	173.551
2029	57397	20781.967	8771.291	12010.68	20.926	57.794	840.289	307.495	128.412	179.082
2030	57685	20753.201	8407.935	12345.27	21.401	59.486	997.704	363.487	145.422	218.065
2031	59311	21048.417	8295.297	12753.12	21.502	60.589	1023.85	368.165	143.196	224.969
2032	59871	21169.329	7968.404	13200.93	22.049	62.359	1030.91	369.560	137.206	232.355
2033	60392	21109.293	7605.356	13503.94	22.360	63.972	1036.75	367.618	130.560	237.058
2034	60838	21109.429	7247.960	13861.47	22.784	65.665	1040.94	366.613	124.012	242.601
2035	60224	20794.840	6875.462	13919.38	23.113	66.937	1258.61	442.268	143.689	298.579
2036	57303	19354.577	6138.549	13216.03	23.063	68.284	1198.57	412.258	128.396	283.862
2037	57298	19064.169	5714.263	13349.91	23.299	70.026	1198.65	406.385	119.540	286.845
2038	57260	18854.812	5370.647	13484.16	23.549	71.516	1197.06	401.900	112.278	289.622
2039	57213	18437.457	4963.135	13474.32	23.551	73.081	1194.16	392.602	103.591	289.011

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Control File Details for Run: 5

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S3C
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_3
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 5, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 5, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	S3C
Note:	Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.001921	0.000000	0.008742	0.010927	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.002360	0.000000	0.003614	0.004518	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000188	0.000000	0.000943	0.001179	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000093	0.000000	0.001143	0.001428	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000047	0.000000	0.000871	0.001089	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.001084	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001748	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002541	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.004011	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.004468	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.004324	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.005170	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.006990	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.006990	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.002944	0.000000	0.008742	0.010927	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.004193	0.000000	0.004426	0.005533	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000412	0.000000	0.001527	0.001909	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000578	0.000000	0.001515	0.001894	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000218	0.000000	0.001227	0.001533	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.002037	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.002315	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.003333	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.004010	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.004972	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.007214	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.013040	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.008849	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.008849	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.003449	0.000000	0.008742	0.010927	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.004264	0.000000	0.003289	0.004112	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.001965	0.000000	0.003844	0.004805	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000671	0.000000	0.002006	0.002507	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000332	0.000000	0.001329	0.001661	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001597	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.002114	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.003630	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.004149	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.004970	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.006543	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.007377	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.007019	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.007019	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.003294	0.000000	0.008742	0.010927	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.004442	0.000000	0.003732	0.004665	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000059	0.000000	0.002260	0.002825	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.001351	0.000000	0.002822	0.003527	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000661	0.000000	0.002610	0.003262	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002573	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002888	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002820	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.003329	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.002183	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.007261	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.007370	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.009153	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.009153	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.002198	0.000000	0.008742	0.010927	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.003788	0.000000	0.005036	0.006296	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000304	0.000000	0.002857	0.003571	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000239	0.000000	0.002314	0.002893	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000119	0.000000	0.004343	0.005428	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002615	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.003207	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002889	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.004011	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.005071	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.008957	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.005351	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.005725	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.005725	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.010927	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.013252	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.005392	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.004557	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.005640	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002683	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.003294	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001314	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.003148	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.004617	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.007360	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.006029	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.005916	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.005916	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 5, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 5, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	11508	12.47	0	0.00			
5	All Ages	Ecig	15247	16.52					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	27167	29.44			15.05	1882	6.93
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	320	9.03	0	0.00			
5	18-19	Ecig	646	18.23					
5	18-19	Dual	0	0.00					
5	18-19	Former	130	3.67			1.08	90	69.23
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	946	10.46	0	0.00			
5	20-24	Ecig	1787	19.77					
5	20-24	Dual	0	0.00					
5	20-24	Former	520	5.75			2.69	166	31.92
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	1921	19.57					
5	25-29	Dual	0	0.00					
5	25-29	Former	1169	11.91			5.35	132	11.29
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

5	30-34	Never Any	5065	47.50					
5	30-34	CC	1480	13.88	0	0.00			
5	30-34	Ecig	2301	21.58					
5	30-34	Dual	0	0.00					
5	30-34	Former	1818	17.05			6.88	120	6.60
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2255	20.66					
5	35-39	Dual	0	0.00					
5	35-39	Former	2441	22.36			8.15	126	5.16
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1871	18.92					
5	40-44	Dual	0	0.00					
5	40-44	Former	2797	28.28			11.97	146	5.22
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1527	17.64					
5	45-49	Dual	0	0.00					
5	45-49	Former	2980	34.43			14.04	171	5.74
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	995	15.27					
5	50-54	Dual	0	0.00					
5	50-54	Former	2661	40.84			15.87	187	7.03
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	733	13.38					
5	55-59	Dual	0	0.00					
5	55-59	Former	2393	43.69			17.01	142	5.93
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	558	11.20					
5	60-64	Dual	0	0.00					
5	60-64	Former	2491	49.99			17.18	151	6.06
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	343	6.99					
5	65-69	Dual	0	0.00					
5	65-69	Former	2916	59.45			20.33	205	7.03
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	180	4.10					
5	70-74	Dual	0	0.00					
5	70-74	Former	2746	62.59			21.88	145	5.28
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	130	3.72					
5	75-79	Dual	0	0.00					
5	75-79	Former	2105	60.16			22.96	101	4.80
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	4843	5.15	0	0.00			
10	All Ages	Ecig	19865	21.11					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	30207	32.10			16.46	1943	6.43
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	462	5.22	0	0.00			
10	20-24	Ecig	2409	27.24					
10	20-24	Dual	0	0.00					
10	20-24	Former	1047	11.84			3.37	295	28.18
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	404	4.47	0	0.00			
10	25-29	Ecig	2253	24.92					
10	25-29	Dual	0	0.00					
10	25-29	Former	1042	11.53			4.77	223	21.40
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	481	4.90	0	0.00			
10	30-34	Ecig	2533	25.80					
10	30-34	Dual	0	0.00					
10	30-34	Former	1526	15.55			8.39	137	8.98
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	2918	27.36					
10	35-39	Dual	0	0.00					
10	35-39	Former	2140	20.07			10.39	126	5.89
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	2793	25.59					
10	40-44	Dual	0	0.00					
10	40-44	Former	2832	25.94			11.63	141	4.98
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2231	22.56					
10	45-49	Dual	0	0.00					
10	45-49	Former	3233	32.69			14.94	191	5.91
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	1760	20.34					
10	50-54	Dual	0	0.00					
10	50-54	Former	3510	40.55			16.48	204	5.81
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1130	17.34					
10	55-59	Dual	0	0.00					

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		3103	47.63			18.19	161	5.19
10	60-64	Never Any		1611	29.41					
10	60-64	CC		306	5.59	0	0.00			
10	60-64	Ecig		781	14.26					
10	60-64	Dual		0	0.00					
10	60-64	Former		2779	50.74			19.22	161	5.79
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		244	4.90	0	0.00			
10	65-69	Ecig		561	11.26					
10	65-69	Dual		0	0.00					
10	65-69	Former		2841	57.01			19.71	134	4.72
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		236	4.81	0	0.00			
10	70-74	Ecig		282	5.75					
10	70-74	Dual		0	0.00					
10	70-74	Former		3218	65.61			23.17	102	3.17
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		214	4.88	0	0.00			
10	75-79	Ecig		214	4.88					
10	75-79	Dual		0	0.00					
10	75-79	Former		2936	66.93			25.29	68	2.32
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		1911	2.13	0	0.00			
15	All Ages	Ecig		18626	20.76					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		31719	35.36			17.91	1786	5.63
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		179	2.02	0	0.00			
15	25-29	Ecig		2450	27.70					
15	25-29	Dual		0	0.00					
15	25-29	Former		1582	17.89			6.26	203	12.83
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		153	1.69	0	0.00			
15	30-34	Ecig		2330	25.77					
15	30-34	Dual		0	0.00					
15	30-34	Former		1515	16.76			7.31	182	12.01
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		188	1.92	0	0.00			

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15	35-39	Ecig	2520	25.67					
15	35-39	Dual	0	0.00					
15	35-39	Former	1945	19.81			10.91	176	9.05
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	2812	26.37					
15	40-44	Dual	0	0.00					
15	40-44	Former	2624	24.61			12.88	229	8.73
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	2638	24.17					
15	45-49	Dual	0	0.00					
15	45-49	Former	3338	30.58			14.40	203	6.08
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	2020	20.43					
15	50-54	Dual	0	0.00					
15	50-54	Former	3715	37.57			17.63	184	4.95
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	1652	19.09					
15	55-59	Dual	0	0.00					
15	55-59	Former	3876	44.78			19.66	123	3.17
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	991	15.21					
15	60-64	Dual	0	0.00					
15	60-64	Former	3462	53.14			20.97	177	5.11
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	612	11.17					
15	65-69	Dual	0	0.00					
15	65-69	Former	3130	57.15			21.74	128	4.09
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	385	7.73					
15	70-74	Dual	0	0.00					
15	70-74	Former	3132	62.85			22.60	115	3.67
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	216	4.40					
15	75-79	Dual	0	0.00					
15	75-79	Former	3400	69.32			26.77	66	1.94
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	738	0.87	0	0.00			
20	All Ages	Ecig	15286	18.03					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	32673	38.53			19.21	1674	5.12
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	71	0.80	0	0.00			
20	30-34	Ecig	2105	23.80					
20	30-34	Dual	0	0.00					
20	30-34	Former	2161	24.43			8.76	254	11.75
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	59	0.65	0	0.00			
20	35-39	Ecig	1953	21.60					
20	35-39	Dual	0	0.00					
20	35-39	Former	2037	22.53			9.72	155	7.61
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2216	22.58					
20	40-44	Dual	0	0.00					
20	40-44	Former	2369	24.13			13.41	176	7.43
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	2425	22.74					
20	45-49	Dual	0	0.00					
20	45-49	Former	3153	29.57			15.24	188	5.96
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2280	20.89					
20	50-54	Dual	0	0.00					
20	50-54	Former	3825	35.04			17.19	196	5.12
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	1623	16.41					
20	55-59	Dual	0	0.00					
20	55-59	Former	4240	42.88			20.06	213	5.02
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1253	14.48					
20	60-64	Dual	0	0.00					
20	60-64	Former	4403	50.87			21.90	252	5.72
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	677	10.39					
20	65-69	Dual	0	0.00					
20	65-69	Former	3859	59.23			23.53	130	3.37
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	467	8.53					
20	70-74	Dual	0	0.00					
20	70-74	Former	3330	60.80			25.27	66	1.98
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	287	5.76					
20	75-79	Dual	0	0.00					
20	75-79	Former	3296	66.14			26.35	44	1.33
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	289	0.36	0	0.00			
25	All Ages	Ecig	12140	15.21					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	32641	40.89			21.28	1181	3.62
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	28	0.32	0	0.00			
25	35-39	Ecig	1684	19.04					
25	35-39	Dual	0	0.00					
25	35-39	Former	2644	29.89			11.66	155	5.86
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	20	0.22	0	0.00			
25	40-44	Ecig	1663	18.40					
25	40-44	Dual	0	0.00					

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25	40-44	Former	2366	26.17			12.96	122	5.16
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5163	52.60					
25	45-49	CC	29	0.30	0	0.00			
25	45-49	Ecig	1973	20.10					
25	45-49	Dual	0	0.00					
25	45-49	Former	2651	27.01			16.70	85	3.21
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4997	46.86					
25	50-54	CC	37	0.35	0	0.00			
25	50-54	Ecig	2155	20.21					
25	50-54	Dual	0	0.00					
25	50-54	Former	3475	32.59			18.54	152	4.37
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4724	43.28					
25	55-59	CC	33	0.30	0	0.00			
25	55-59	Ecig	1844	16.89					
25	55-59	Dual	0	0.00					
25	55-59	Former	4315	39.53			19.90	188	4.36
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	28	0.28	0	0.00			
25	60-64	Ecig	1175	11.88					
25	60-64	Dual	0	0.00					
25	60-64	Former	4745	47.98			22.59	223	4.70
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	43	0.50	0	0.00			
25	65-69	Ecig	821	9.49					
25	65-69	Dual	0	0.00					
25	65-69	Former	4879	56.37			24.51	132	2.71
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	35	0.54	0	0.00			
25	70-74	Ecig	472	7.24					
25	70-74	Dual	0	0.00					
25	70-74	Former	4089	62.76			27.05	74	1.81
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	36	0.66	0	0.00			
25	75-79	Ecig	353	6.45					
25	75-79	Dual	0	0.00					
25	75-79	Former	3477	63.48			29.09	50	1.44
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	33136	44.57					
30	All Ages	CC	100	0.13	0	0.00			
30	All Ages	Ecig	9387	12.63					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	31717	42.66			23.48	959	3.02
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	12	0.14	0	0.00			
30	40-44	Ecig	1419	16.04					
30	40-44	Dual	0	0.00					
30	40-44	Former	2925	33.07			15.24	114	3.90
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	5	0.06	0	0.00			
30	45-49	Ecig	1447	16.01					
30	45-49	Dual	0	0.00					
30	45-49	Former	2597	28.73			16.59	59	2.27
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	1773	18.06					
30	50-54	Dual	0	0.00					
30	50-54	Former	2871	29.25			20.16	115	4.01
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	1731	16.23					
30	55-59	Dual	0	0.00					
30	55-59	Former	3918	36.74			21.11	180	4.59
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	1325	12.14					
30	60-64	Dual	0	0.00					
30	60-64	Former	4857	44.49			22.34	214	4.41
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	781	7.90					
30	65-69	Dual	0	0.00					
30	65-69	Former	5154	52.12			25.58	143	2.77
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	576	6.66					
30	70-74	Dual	0	0.00					
30	70-74	Former	5149	59.49			28.08	87	1.69
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	335	5.14					
30	75-79	Dual	0	0.00					
30	75-79	Former	4246	65.17			30.95	47	1.11
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	38	0.06	0	0.00			
35	All Ages	Ecig	7009	10.33					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	29561	43.58			25.54	790	2.67
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	7	0.08	0	0.00			
35	45-49	Ecig	1218	13.77					
35	45-49	Dual	0	0.00					
35	45-49	Former	3131	35.40			19.06	66	2.11
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	3	0.03	0	0.00			
35	50-54	Ecig	1304	14.42					
35	50-54	Dual	0	0.00					
35	50-54	Former	2742	30.33			20.53	80	2.92
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1400	14.26					
35	55-59	Dual	0	0.00					
35	55-59	Former	3253	33.14			22.44	159	4.89
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	1237	11.60					
35	60-64	Dual	0	0.00					
35	60-64	Former	4421	41.46			23.36	192	4.34
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	874	8.01					
35	65-69	Dual	0	0.00					
35	65-69	Former	5313	48.67			25.19	148	2.79
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	557	5.63					
35	70-74	Dual	0	0.00					
35	70-74	Former	5386	54.46			29.36	82	1.52
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	419	4.84					
35	75-79	Dual	0	0.00					
35	75-79	Former	5315	61.41			32.11	63	1.19
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	15	0.03	0	0.00			
40	All Ages	Ecig	4943	8.35					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	25907	43.78			27.36	626	2.42
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	30-34	Never Any		0	.				0	.
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 55-59										
40	50-54	Never Any		4489	50.75					
40	50-54	CC		3	0.03	0	0.00			
40	50-54	Ecig		1083	12.24					
40	50-54	Dual		0	0.00					
40	50-54	Former		3270	36.97			23.11	72	2.20
Year of Follow-up: 2030, Age Group: 60-64										
40	55-59	Never Any		4991	55.21					
40	55-59	CC		2	0.02	0	0.00			
40	55-59	Ecig		1050	11.62					
40	55-59	Dual		0	0.00					
40	55-59	Former		2997	33.15			23.53	104	3.47
Year of Follow-up: 2030, Age Group: 65-69										
40	60-64	Never Any		5163	52.60					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		980	9.98					
40	60-64	Dual		0	0.00					
40	60-64	Former		3673	37.42			24.54	163	4.44
Year of Follow-up: 2030, Age Group: 70-74										
40	65-69	Never Any		4997	46.86					
40	65-69	CC		4	0.04	0	0.00			
40	65-69	Ecig		823	7.72					
40	65-69	Dual		0	0.00					
40	65-69	Former		4840	45.39			26.11	131	2.71
Year of Follow-up: 2030, Age Group: 75-79										
40	70-74	Never Any		4724	43.28					
40	70-74	CC		3	0.03	0	0.00			
40	70-74	Ecig		615	5.63					
40	70-74	Dual		0	0.00					
40	70-74	Former		5574	51.06			28.88	92	1.65
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		3941	39.85					
40	75-79	CC		3	0.03	0	0.00			

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

40	75-79	Ecig	392	3.96					
40	75-79	Dual	0	0.00					
40	75-79	Former	5553	56.15			33.39	64	1.15
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	6	0.01	0	0.00			
45	All Ages	Ecig	3325	6.75					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	21586	43.80			29.09	482	2.23
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

45	55-59	Never Any	4489	50.75					
45	55-59	CC	2	0.02	0	0.00			
45	55-59	Ecig	862	9.75					
45	55-59	Dual	0	0.00					
45	55-59	Former	3492	39.48			26.44	102	2.92
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	780	8.63					
45	60-64	Dual	0	0.00					
45	60-64	Former	3269	36.16			26.32	121	3.70
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	667	6.80					
45	65-69	Dual	0	0.00					
45	65-69	Former	3986	40.61			27.40	94	2.36
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	605	5.67					
45	70-74	Dual	0	0.00					
45	70-74	Former	5061	47.46			29.84	92	1.82
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	411	3.77					
45	75-79	Dual	0	0.00					
45	75-79	Former	5778	52.93			32.76	73	1.26
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	1984	5.17					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	16740	43.63			31.04	356	2.13
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	600	6.78					
50	60-64	Dual	0	0.00					
50	60-64	Former	3756	42.46			29.38	107	2.85
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	504	5.58					
50	65-69	Dual	0	0.00					
50	65-69	Former	3545	39.21			29.04	110	3.10
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	473	4.82					
50	70-74	Dual	0	0.00					
50	70-74	Former	4180	42.58			31.00	65	1.56
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	407	3.82					
50	75-79	Dual	0	0.00					
50	75-79	Former	5259	49.32			33.60	74	1.41

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	2970201.899	1539189	11.706	34.133	3806.31	1305.37	859.809	445.562

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308577	122014.015	120877.008	1137.007	0.368	0.932	4729.73	1870.18	1852.75	17.428
1993	311713	122810.618	120674.084	2136.534	0.685	1.740	4692.62	1848.83	1816.66	32.164
1994	305700	119925.592	116639.479	3286.112	1.075	2.740	4516.19	1771.69	1723.15	48.547
1995	303225	117896.496	113265.073	4631.424	1.527	3.928	4393.80	1708.35	1641.24	67.110
1996	299559	115698.645	109584.218	6114.427	2.041	5.285	4273.16	1650.42	1563.20	87.221
1997	294226	113359.847	105751.687	7608.159	2.586	6.712	4128.67	1590.70	1483.94	106.760
1998	289258	111444.212	102337.316	9106.896	3.148	8.172	3992.19	1538.10	1412.41	125.689
1999	311002	114877.722	102691.446	12186.28	3.918	10.608	4224.60	1560.48	1394.94	165.536
2000	303786	112379.704	98468.995	13910.71	4.579	12.378	4066.21	1504.22	1318.02	186.197
2001	296294	110024.943	94271.204	15753.74	5.317	14.318	3914.28	1453.52	1245.40	208.120
2002	291898	108289.173	90466.044	17823.13	6.106	16.459	3813.00	1414.56	1181.74	232.819
2003	285865	106539.023	86883.783	19655.24	6.876	18.449	3695.36	1377.22	1123.14	254.082
2004	274177	103037.251	82037.867	20999.38	7.659	20.380	3506.10	1317.61	1049.08	268.534
2005	272379	103044.562	80111.023	22933.54	8.420	22.256	3442.69	1302.41	1012.55	289.864
2006	264118	99672.555	75091.303	24581.25	9.307	24.662	3307.76	1248.28	940.428	307.851
2007	258419	97839.152	71869.964	25969.19	10.049	26.543	3203.20	1212.75	890.854	321.897
2008	259461	98075.852	70348.845	27727.01	10.686	28.271	3180.09	1202.07	862.233	339.837
2009	253907	95617.338	66661.153	28956.18	11.404	30.283	3075.31	1158.11	807.397	350.716
2010	251878	94607.988	64269.714	30338.27	12.045	32.067	3013.72	1131.98	768.987	362.997
2011	251779	93633.119	61606.707	32026.41	12.720	34.204	2982.76	1109.25	729.840	379.409
2012	252643	92775.175	59094.147	33681.03	13.331	36.304	2960.61	1087.19	692.497	394.692
2013	256175	92345.780	56969.011	35376.77	13.810	38.309	2967.76	1069.82	659.980	409.836
2014	257393	91379.215	54580.516	36798.70	14.297	40.270	2947.05	1046.26	624.926	421.331
2015	259782	90750.242	52667.713	38082.53	14.659	41.964	3346.10	1168.90	678.382	490.519
2016	261453	88811.996	49406.891	39405.10	15.072	44.369	3336.15	1133.24	630.434	502.811
2017	263685	87325.126	46751.776	40573.35	15.387	46.462	3333.85	1104.08	591.097	512.982
2018	258714	87612.144	45974.181	41637.96	16.094	47.525	3240.73	1097.46	575.886	521.570
2019	261438	87797.760	44616.820	43180.94	16.517	49.182	3242.99	1089.08	553.447	535.635
2020	262288	87221.042	43145.039	44076.00	16.804	50.534	3715.29	1235.48	611.146	624.333
2021	255079	82001.292	38363.256	43638.04	17.108	53.216	3587.82	1153.39	539.598	613.791
2022	257097	81915.977	36857.104	45058.87	17.526	55.006	3588.53	1143.37	514.448	628.927
2023	259080	81810.810	35387.045	46423.76	17.919	56.745	3586.88	1132.64	489.922	642.722
2024	260719	81528.303	33932.662	47595.64	18.256	58.379	3579.65	1119.38	465.893	653.485
2025	257308	79599.213	32254.788	47344.42	18.400	59.479	4112.08	1272.09	515.469	756.619
2026	251528	75082.462	28588.928	46493.53	18.484	61.923	4003.24	1194.99	455.012	739.976
2027	250988	74444.425	27072.089	47372.34	18.874	63.634	3976.53	1179.46	428.917	750.544
2028	250285	73699.585	25482.524	48217.06	19.265	65.424	3945.35	1161.76	401.692	760.067
2029	249525	72819.703	23958.227	48861.48	19.582	67.099	3910.99	1141.36	375.515	765.842
2030	240528	69309.277	22296.647	47012.63	19.546	67.830	4504.36	1297.95	417.548	880.402
2031	235442	65433.368	19677.772	45755.60	19.434	69.927	4397.65	1222.18	367.546	854.635
2032	234017	64643.552	18430.771	46212.78	19.748	71.489	4356.12	1203.31	334.080	860.229
2033	232559	63793.514	17254.784	46538.73	20.012	72.952	4310.93	1182.54	319.851	862.686
2034	230963	63032.151	16131.530	46900.62	20.307	74.407	4260.75	1162.80	297.590	865.210
2035	215822	57653.301	14692.574	42960.73	19.906	74.516	4924.38	1315.47	335.239	980.231
2036	208183	52988.733	12221.493	40767.24	19.582	76.936	4748.94	1208.75	278.789	929.957
2037	205491	52026.921	11269.237	40757.68	19.834	78.340	4682.40	1185.50	256.785	928.718
2038	202834	50943.211	10337.077	40606.13	20.019	79.709	4612.18	1158.38	235.052	923.331
2039	200251	50085.991	9532.067	40553.92	20.252	80.969	4538.65	1135.19	216.043	919.148

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1716180.930	528807.2	17.248	23.555	887.537	649.875	496.797	153.078

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77987	62366.766	62237.535	129.231	0.166	0.207	1195.35	955.930	953.949	1.981
1993	78542	62652.888	62398.335	254.552	0.324	0.406	1182.39	943.195	939.363	3.832
1994	77437	61565.227	61163.407	401.820	0.519	0.653	1144.00	909.520	903.584	5.936
1995	76904	60851.961	60267.044	584.917	0.761	0.961	1114.36	881.759	873.283	8.476
1996	76232	60122.922	59307.147	815.774	1.070	1.357	1087.44	857.643	846.006	11.637
1997	75473	59237.155	58173.060	1064.095	1.410	1.796	1059.06	831.234	816.303	14.932
1998	75381	58906.696	57534.368	1372.328	1.821	2.330	1040.37	813.001	794.060	18.940
1999	73159	56930.073	55254.833	1675.240	2.290	2.943	993.781	773.329	750.573	22.756
2000	73784	57137.121	55066.877	2070.244	2.806	3.623	987.608	764.787	737.077	27.710
2001	73294	56481.726	53965.873	2515.854	3.433	4.454	968.273	746.169	712.933	33.236
2002	72442	55588.365	52603.769	2984.596	4.120	5.369	946.293	726.138	687.151	38.987
2003	71942	54945.856	51441.888	3503.969	4.871	6.377	929.989	710.281	664.985	45.296
2004	71301	54203.126	50126.608	4076.517	5.717	7.521	911.778	693.135	641.006	52.129
2005	70964	53744.603	49075.342	4669.261	6.580	8.688	896.937	679.296	620.279	59.016
2006	69658	52535.572	47244.504	5291.068	7.596	10.071	872.383	657.945	591.681	66.264
2007	68565	51492.124	45585.331	5906.793	8.615	11.471	849.888	638.264	565.047	73.217
2008	68226	51030.736	44377.023	6653.713	9.752	13.039	836.215	625.460	543.909	81.551
2009	67509	50276.199	42874.955	7401.244	10.963	14.721	817.667	608.943	519.300	89.644
2010	67196	49840.933	41688.855	8152.078	12.132	16.356	804.000	596.347	498.807	97.540
2011	66506	49072.841	40093.790	8979.051	13.501	18.297	787.880	581.354	474.981	106.373
2012	66155	48539.512	38672.019	9867.493	14.916	20.329	775.240	568.812	453.180	115.633
2013	65333	47675.741	37016.992	10658.75	16.314	22.357	756.876	552.318	428.838	123.480
2014	65033	47194.534	35708.612	11485.92	17.662	24.337	744.602	540.359	408.850	131.509
2015	64145	46305.842	34099.342	12206.50	19.030	26.361	826.215	596.439	439.214	157.225
2016	61618	44208.867	31578.574	12630.29	20.498	28.570	786.248	564.107	402.944	161.163
2017	59897	42702.624	29580.294	13122.33	21.908	30.730	757.297	539.903	373.993	165.910
2018	62468	44321.202	29569.769	14751.43	23.614	33.283	782.490	555.181	370.400	184.781
2019	63045	44493.088	28651.545	15841.54	25.127	35.605	782.035	551.912	355.406	196.505
2020	63466	44529.551	27671.078	16858.47	26.563	37.859	898.991	630.757	391.959	238.799
2021	57113	39852.556	23775.717	16076.84	28.149	40.341	803.323	560.546	334.417	226.129
2022	57440	39853.685	22762.344	17091.34	29.755	42.885	801.745	556.274	317.715	238.559
2023	57738	39847.050	21755.954	18091.10	31.333	45.401	799.366	551.670	301.204	250.466
2024	57942	39726.010	20744.597	18981.41	32.759	47.781	795.539	545.435	284.822	260.614
2025	57521	39207.348	19625.046	19582.30	34.044	49.945	919.257	626.579	313.631	312.948
2026	51428	34803.960	16584.292	18219.67	35.428	52.349	818.510	553.929	263.950	289.978
2027	51172	34484.595	15583.517	18901.08	36.937	54.810	810.740	546.357	246.898	299.459
2028	50870	34100.638	14553.704	19546.93	38.425	57.321	801.884	537.544	229.417	308.127
2029	50540	33669.838	13577.877	20091.96	39.755	59.673	792.146	527.732	212.816	314.916
2030	49109	32557.688	12542.275	20015.41	40.757	61.477	919.662	609.705	234.878	374.827
2031	43585	28646.393	10431.799	18214.59	41.791	63.584	814.096	535.065	194.848	340.217
2032	43163	28227.160	9677.946	18549.21	42.975	65.714	803.454	525.435	180.150	345.285
2033	42725	27786.623	8971.432	18815.19	44.038	67.713	791.996	515.079	166.303	348.776
2034	42256	27348.299	8310.643	19037.66	45.053	69.612	779.523	504.514	153.313	351.202
2035	39748	25570.077	7496.765	18073.31	45.469	70.681	906.933	583.430	171.053	412.377
2036	34030	21717.319	5838.238	15879.08	46.662	73.117	776.269	495.402	133.178	362.224
2037	33454	21256.024	5340.657	15915.37	47.574	74.875	762.289	484.347	121.694	362.653
2038	32883	20747.175	4863.564	15883.61	48.303	76.558	747.720	471.764	110.591	361.173
2039	32325	20327.688	4459.773	15867.92	49.088	78.061	732.644	460.724	101.080	359.644

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	6360041	1098877.421	511615.279	587262.1	9.234	53.442	1841.09	318.101	148.102	170.000

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164548	36137.488	35292.784	844.704	0.513	2.337	2522.12	553.899	540.952	12.947
1993	164362	35599.588	34035.128	1564.460	0.952	4.395	2474.35	535.926	512.375	23.552
1994	159866	34336.757	31948.382	2388.375	1.494	6.956	2361.75	507.267	471.982	35.284
1995	158083	33455.759	30115.624	3340.135	2.113	9.984	2290.66	484.782	436.382	48.399
1996	154875	32193.824	27843.104	4350.720	2.809	13.514	2209.26	459.239	397.177	62.062
1997	149970	30665.509	25334.901	5330.608	3.554	17.383	2104.43	430.308	355.507	74.801
1998	145407	29188.430	22939.719	6248.712	4.297	21.408	2006.83	402.844	316.602	86.242
1999	165952	33375.386	24678.384	8697.001	5.241	26.058	2254.27	453.366	335.227	118.139
2000	160260	32024.754	22282.924	9741.830	6.079	30.420	2145.10	428.655	298.260	130.396
2001	154444	30682.393	19856.350	10826.04	7.010	35.284	2040.33	405.339	262.318	143.021
2002	151887	30218.370	18120.813	12097.56	7.965	40.034	1984.06	394.736	236.708	158.028
2003	146733	29175.202	16138.229	13036.97	8.885	44.685	1896.81	377.146	208.618	168.528
2004	138381	27488.687	13962.759	13525.93	9.774	49.205	1769.58	351.518	178.552	172.966
2005	135881	27017.439	12614.209	14403.23	10.600	53.311	1717.44	341.482	159.435	182.047
2006	131922	26231.435	11081.329	15150.11	11.484	57.756	1652.16	328.517	138.780	189.737
2007	126502	25103.049	9635.707	15467.34	12.227	61.615	1568.04	311.161	119.438	191.723
2008	125859	24621.740	8663.918	15957.82	12.679	64.812	1542.60	301.777	106.190	195.588
2009	122428	23741.177	7623.014	16118.16	13.165	67.891	1482.84	287.552	92.330	195.223
2010	120537	23189.160	6810.609	16378.55	13.588	70.630	1442.22	277.458	81.489	195.969
2011	120221	22786.927	6053.573	16733.35	13.919	73.434	1424.23	269.951	71.715	198.236
2012	120927	22485.295	5438.750	17046.54	14.097	75.812	1417.09	263.495	63.734	199.761
2013	122648	22251.884	4919.928	17331.96	14.131	77.890	1420.86	257.786	56.997	200.789
2014	123229	21894.593	4429.009	17465.58	14.173	79.771	1410.92	250.685	50.710	199.974
2015	123774	21471.109	4002.552	17468.56	14.113	81.358	1594.26	276.557	51.555	225.002
2016	126218	21411.568	3620.687	17790.88	14.095	83.090	1610.55	273.213	46.200	227.012
2017	128265	21169.399	3279.000	17890.40	13.948	84.511	1621.69	267.651	41.457	226.194
2018	121429	19830.576	2779.463	17051.11	14.042	85.984	1521.05	248.404	34.816	213.587
2019	121832	19431.014	2516.593	16914.42	13.883	87.049	1511.26	241.031	31.217	209.814
2020	120811	18532.612	2237.615	16295.00	13.488	87.926	1711.27	262.513	31.696	230.817
2021	119407	18234.128	1996.639	16237.49	13.598	89.050	1679.51	256.472	28.084	228.388
2022	119438	17812.559	1797.293	16015.27	13.409	89.910	1667.10	248.626	25.086	223.539
2023	119445	17361.668	1616.877	15744.79	13.182	90.687	1653.68	240.367	22.385	217.982
2024	119305	16929.676	1471.948	15457.73	12.956	91.306	1638.05	232.443	20.210	212.234
2025	115685	15501.666	1281.182	14220.48	12.292	91.735	1848.78	247.735	20.475	227.260
2026	115073	15523.814	1187.194	14336.62	12.459	92.352	1831.46	247.072	18.895	228.177
2027	113989	15073.070	1088.932	13984.14	12.268	92.776	1805.98	238.810	17.252	221.558
2028	112855	14636.710	992.448	13644.26	12.090	93.219	1778.98	230.725	15.644	215.081
2029	111718	14180.166	908.319	13271.85	11.880	93.594	1751.04	222.256	14.237	208.019
2030	104851	12111.772	758.646	11353.13	10.828	93.736	1963.54	226.816	14.207	212.609
2031	105289	12417.367	743.332	11674.03	11.088	94.014	1966.62	231.935	13.884	218.051
2032	103879	12054.064	693.072	11360.99	10.937	94.250	1933.67	224.381	12.901	211.479
2033	102485	11672.389	641.630	11030.76	10.763	94.503	1899.76	216.370	11.894	204.476
2034	101070	11365.762	598.074	10767.69	10.654	94.738	1864.51	209.673	11.033	198.639
2035	90820	8580.360	448.088	8132.272	8.954	94.778	2072.23	195.777	10.224	185.553
2036	92117	8948.841	447.586	8501.254	9.229	94.998	2101.31	204.135	10.210	193.925
2037	90327	8624.570	423.184	8201.386	9.080	95.093	2058.21	196.522	9.643	186.880
2038	88590	8315.017	394.527	7920.490	8.941	95.255	2014.42	189.073	8.971	180.102
2039	86921	8001.132	363.515	7637.617	8.787	95.457	1970.05	181.344	8.239	173.105

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	1489699	149918.462	69015.718	80902.74	5.431	53.964	431.236	43.398	19.979	23.420

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	0.000	
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.478	105.094	0.327	2.360	492.014	68.262	66.652	1.611
1993	32896	4462.473	4263.823	198.651	0.604	4.452	495.226	67.179	64.189	2.991
1994	33323	4499.513	4185.843	313.670	0.941	6.971	492.290	66.473	61.839	4.634
1995	33569	4472.774	4027.879	444.895	1.325	9.947	486.422	64.812	58.365	6.447
1996	33870	4406.878	3816.819	590.059	1.742	13.390	483.150	62.863	54.446	8.417
1997	33516	4288.158	3550.760	737.398	2.200	17.196	470.307	60.173	49.825	10.347
1998	32795	4120.148	3248.088	872.060	2.659	21.166	452.620	56.864	44.828	12.036
1999	33375	3982.443	2976.152	1006.290	3.015	25.268	453.361	54.097	40.428	13.669
2000	33459	4021.411	2838.174	1183.237	3.536	29.423	447.853	53.827	37.989	15.838
2001	32275	3848.092	2545.805	1302.287	4.035	33.842	426.379	50.836	33.632	17.204
2002	31586	3783.081	2341.649	1441.432	4.564	38.102	412.601	49.418	30.588	18.829
2003	30985	3754.415	2158.778	1595.637	5.150	42.500	400.541	48.533	27.906	20.627
2004	29884	3666.274	1954.045	1712.230	5.730	46.702	382.149	46.883	24.988	21.896
2005	28708	3589.688	1766.423	1823.265	6.351	50.792	362.850	45.371	22.326	23.045
2006	28188	3596.985	1621.592	1975.392	7.008	54.918	353.021	45.048	20.308	24.739
2007	28026	3560.798	1472.441	2088.357	7.451	58.649	347.392	44.137	18.251	25.886
2008	27128	3417.001	1295.717	2121.284	7.820	62.080	332.495	41.881	15.881	26.000
2009	27068	3394.390	1179.389	2215.001	8.183	65.255	327.847	41.113	14.285	26.828
2010	26911	3340.137	1067.395	2272.742	8.445	68.043	321.990	39.965	12.771	27.193
2011	26959	3285.435	961.977	2323.458	8.618	70.720	319.377	38.922	11.396	27.525
2012	27057	3259.209	867.772	2391.438	8.839	73.375	317.068	38.193	10.169	28.024
2013	27904	3274.703	796.496	2478.207	8.881	75.677	323.265	37.937	9.227	28.710
2014	28792	3298.083	730.418	2567.664	8.918	77.853	329.657	37.762	8.363	29.399
2015	29560	3244.406	661.882	2582.524	8.737	79.599	380.745	41.789	8.525	33.264
2016	30513	3314.836	616.952	2697.884	8.842	81.388	389.347	42.297	7.872	34.425
2017	31416	3333.314	567.042	2766.271	8.805	82.989	397.202	42.144	7.169	34.975
2018	29348	2925.242	459.619	2465.622	8.401	84.288	367.626	36.642	5.757	30.885
2019	29598	2864.628	415.255	2449.373	8.275	85.504	367.149	35.534	5.151	30.383
2020	29592	2730.366	367.067	2363.299	7.986	86.556	419.174	38.675	5.199	33.476
2021	30097	2647.911	328.473	2319.438	7.707	87.595	423.328	37.244	4.620	32.624
2022	30304	2586.165	294.962	2291.202	7.561	88.595	422.974	36.097	4.117	31.980
2023	30505	2517.960	265.078	2252.882	7.385	89.473	422.337	34.860	3.670	31.190
2024	30661	2454.161	240.745	2213.416	7.219	90.190	420.968	33.695	3.305	30.390
2025	30254	2275.364	209.127	2066.237	6.830	90.809	483.488	36.363	3.342	33.021
2026	30685	2183.166	187.425	1995.741	6.504	91.415	488.380	34.747	2.983	31.764
2027	30561	2112.345	170.461	1941.884	6.354	91.930	484.196	33.467	2.701	30.766
2028	30412	2046.677	155.047	1891.630	6.220	92.424	479.392	32.263	2.444	29.819
2029	30254	1977.671	140.959	1836.713	6.071	92.872	474.195	30.997	2.209	28.788
2030	29330	1744.457	119.038	1625.418	5.542	93.176	549.260	32.668	2.229	30.439
2031	28976	1653.738	107.676	1546.062	5.336	93.489	541.223	30.889	2.011	28.878
2032	28724	1603.120	98.783	1504.337	5.237	93.838	534.690	29.841	1.839	28.003
2033	28464	1548.245	91.011	1457.233	5.120	94.122	527.627	28.700	1.687	27.013
2034	28178	1511.985	84.890	1427.094	5.065	94.386	519.826	27.893	1.566	26.327
2035	26737	1239.866	67.536	1172.329	4.385	94.553	610.065	28.290	1.541	26.749
2036	25591	1182.522	61.632	1120.889	4.380	94.788	583.762	26.975	1.406	25.569
2037	25143	1134.483	57.813	1076.670	4.282	94.904	572.916	25.851	1.317	24.533
2038	24693	1093.537	53.613	1039.924	4.211	95.097	561.491	24.866	1.219	23.647
2039	24247	1047.905	49.041	998.864	4.120	95.320	549.553	23.751	1.112	22.639

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	673389.972	342216.6	15.324	33.696	646.447	293.996	194.932	99.064

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.212	57.978	0.171	0.304	520.248	292.085	291.196	0.889
1993	35913	20095.670	19976.798	118.872	0.331	0.592	540.645	302.526	300.736	1.790
1994	35074	19524.095	19341.848	182.247	0.520	0.933	518.158	288.435	285.743	2.692
1995	34669	19116.002	18854.526	261.476	0.754	1.368	502.362	276.995	273.206	3.789
1996	34582	18975.021	18617.148	357.873	1.035	1.886	493.306	270.675	265.570	5.105
1997	35267	19169.025	18692.966	476.058	1.350	2.483	494.878	268.986	262.306	6.680
1998	35675	19228.937	18615.141	613.797	1.721	3.192	492.368	265.388	256.917	8.471
1999	38516	20589.820	19782.076	807.745	2.097	3.923	523.195	279.689	268.717	10.972
2000	36283	19196.417	18281.019	915.399	2.523	4.769	485.652	256.946	244.694	12.253
2001	36281	19012.731	17903.177	1109.555	3.058	5.836	479.301	251.174	236.515	14.658
2002	35983	18699.357	17399.813	1299.544	3.612	6.950	470.038	244.265	227.290	16.976
2003	36205	18663.550	17144.888	1518.662	4.195	8.137	468.019	241.262	221.631	19.632
2004	34611	17679.164	15994.455	1684.709	4.868	9.529	442.596	226.076	204.533	21.544
2005	36826	18692.832	16655.049	2037.783	5.534	10.901	465.456	236.265	210.509	25.756
2006	34350	17308.564	15143.877	2164.687	6.302	12.506	430.192	216.769	189.659	27.110
2007	35326	17683.181	15176.484	2506.697	7.096	14.176	437.879	219.189	188.118	31.071
2008	38248	19006.374	16012.187	2994.188	7.828	15.754	468.788	232.952	196.254	36.698
2009	36902	18205.573	14983.795	3221.777	8.731	17.697	446.956	220.505	181.483	39.022
2010	37234	18237.758	14702.856	3534.903	9.494	19.382	445.505	218.215	175.520	42.295
2011	38093	18487.916	14497.368	3990.549	10.476	21.585	451.279	219.022	171.747	47.275
2012	38504	18491.158	14115.607	4375.552	11.364	23.663	451.211	216.689	165.414	51.275
2013	40290	19143.452	14235.596	4907.857	12.181	25.637	466.755	221.775	164.918	56.857
2014	40339	18992.005	13712.476	5279.529	13.088	27.799	461.866	217.451	157.003	60.449
2015	42303	19728.885	13903.937	5824.948	13.770	29.525	544.880	254.116	179.089	75.028
2016	43104	19876.724	13590.678	6286.046	14.583	31.625	550.009	253.628	173.418	80.210
2017	44107	20119.790	13325.440	6794.351	15.404	33.769	557.659	254.381	168.478	85.903
2018	45469	20535.123	13165.329	7369.794	16.208	35.889	569.564	257.229	164.913	92.316
2019	46963	21009.029	13033.427	7975.602	16.983	37.963	582.552	260.605	161.672	98.933
2020	48419	21428.512	12869.278	8559.234	17.677	39.943	685.853	303.533	182.292	121.241
2021	48463	21266.697	12262.427	9004.271	18.580	42.340	681.652	299.127	172.477	126.650
2022	49915	21663.568	12002.505	9661.063	19.355	44.596	696.712	302.378	167.530	134.848
2023	51391	22084.131	11749.136	10334.99	20.111	46.798	711.491	305.748	162.663	143.085
2024	52811	22418.456	11475.372	10943.08	20.721	48.813	725.093	307.804	157.556	150.248
2025	53848	22614.834	11139.433	11475.40	21.311	50.743	860.553	361.411	178.021	183.390
2026	54342	22571.522	10630.017	11941.50	21.975	52.905	864.886	359.241	169.184	190.057
2027	55267	22774.416	10229.180	12545.24	22.699	55.085	875.619	360.827	162.066	198.761
2028	56149	22915.561	9781.325	13134.24	23.392	57.316	885.102	361.228	154.187	207.041
2029	57014	22992.027	9331.073	13660.95	23.961	59.416	893.616	360.371	146.253	214.118
2030	57238	22895.360	8876.688	14018.67	24.492	61.229	1071.90	428.760	166.233	262.527
2031	57592	22715.871	8394.966	14320.90	24.866	63.044	1075.71	424.293	156.803	267.490
2032	58251	22759.207	7960.970	14798.24	25.404	65.021	1084.31	423.652	148.190	275.462
2033	58885	22786.258	7550.710	15235.55	25.874	66.863	1091.54	422.387	139.967	282.420
2034	59460	22806.106	7137.923	15668.18	26.351	68.702	1096.89	420.721	131.678	289.042
2035	58516	22262.998	6680.185	15582.81	26.630	69.994	1335.15	507.973	152.421	355.552
2036	56446	21140.051	5874.036	15266.02	27.045	72.214	1287.60	482.234	133.995	348.239
2037	56568	21011.845	5447.582	15564.26	27.514	74.074	1288.98	478.783	124.130	354.652
2038	56668	20787.483	5025.373	15762.11	27.815	75.825	1288.55	472.681	114.271	358.410
2039	56758	20709.267	4659.739	16049.53	28.277	77.499	1286.40	469.372	105.612	363.760

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13292663	4509390.583	2987933.371	1521457	11.446	33.740	3815.68	1305.37	857.691	447.680

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	6.614
1992	308580	122014.015	120878.126	1135.889	0.368	0.931	4729.74	1870.18	17.423
1993	311723	122810.618	120678.071	2132.547	0.684	1.736	4692.65	1848.83	32.148
1994	305723	119925.592	116648.653	3276.939	1.072	2.732	4516.28	1771.69	48.510
1995	303268	117896.496	113281.714	4614.782	1.522	3.914	4393.95	1708.35	67.044
1996	299629	115698.645	109610.793	6087.852	2.032	5.262	4273.40	1650.42	87.117
1997	294330	113359.847	105790.742	7569.105	2.572	6.677	4129.04	1590.70	106.606
1998	289405	111444.212	102391.361	9052.851	3.128	8.123	3992.71	1538.10	125.475
1999	311219	114877.722	102765.728	12111.99	3.892	10.543	4225.40	1560.48	165.237
2000	304072	112379.704	98565.223	13814.48	4.543	12.293	4067.27	1504.22	185.807
2001	296654	110024.943	94390.264	15634.68	5.270	14.210	3915.61	1453.52	207.641
2002	292346	108289.173	90610.154	17679.02	6.047	16.326	3814.66	1414.56	232.237
2003	286407	106539.023	87054.346	19484.68	6.803	18.289	3697.37	1377.22	253.393
2004	274807	103037.251	82232.649	20804.60	7.571	20.191	3508.46	1317.61	267.747
2005	273123	103044.562	80336.712	22707.85	8.314	22.037	3445.49	1302.41	288.953
2006	264963	99672.555	75339.076	24333.48	9.184	24.413	3310.96	1248.28	306.848
2007	259379	97839.152	72144.550	25694.60	9.906	26.262	3206.86	1212.75	320.786
2008	260566	98075.852	70656.684	27419.17	10.523	27.957	3184.33	1202.07	338.590
2009	255139	95617.338	66993.273	28624.07	11.219	29.936	3080.06	1158.11	349.364
2010	253253	94607.988	64630.705	29977.28	11.837	31.686	3019.04	1131.98	361.521
2011	253316	93633.119	61993.877	31639.24	12.490	33.791	2988.76	1109.25	377.811
2012	254358	92775.175	59506.890	33268.28	13.079	35.859	2967.35	1087.19	392.978
2013	258100	92345.780	57409.710	34936.07	13.536	37.832	2975.40	1069.82	407.991
2014	259523	91379.215	55046.519	36332.70	14.000	39.760	2955.57	1046.26	419.361
2015	262147	90750.242	53161.072	37589.17	14.339	41.420	3354.54	1168.90	488.630
2016	264046	88811.996	49912.226	38899.77	14.732	43.800	3345.51	1133.24	500.849
2017	266529	87325.126	47271.779	40053.35	15.028	45.867	3344.27	1104.08	510.937
2018	261723	87612.144	46527.735	41084.41	15.698	46.894	3251.79	1097.46	519.370
2019	264718	87797.760	45197.079	42600.68	16.093	48.521	3255.20	1089.08	533.300
2020	265854	87221.042	43750.685	43470.36	16.351	49.839	3726.52	1235.48	622.218
2021	258785	82001.292	38941.975	43059.32	16.639	52.511	3599.61	1153.39	611.719
2022	261080	81915.977	37450.832	44465.14	17.031	54.281	3601.45	1143.37	626.762
2023	263353	81810.810	35994.523	45816.29	17.397	56.003	3601.00	1132.64	640.469
2024	265290	81528.303	34552.592	46975.71	17.707	57.619	3595.05	1119.38	651.143
2025	262162	79599.213	32883.295	46715.92	17.819	58.689	4125.25	1272.09	754.654
2026	256528	75082.462	29181.180	45901.28	17.893	61.134	4016.95	1194.99	738.043
2027	256252	74444.425	27664.839	46779.59	18.255	62.838	3991.44	1179.46	748.546
2028	255815	73699.585	26071.926	47627.66	18.618	64.624	3961.53	1161.76	758.012
2029	255325	72819.703	24542.311	48277.39	18.908	66.297	3928.49	1141.36	763.744
2030	246533	69309.277	22873.468	46435.81	18.836	66.998	4518.68	1297.95	878.703
2031	241559	65433.368	20211.332	45222.04	18.721	69.112	4412.15	1222.18	853.016
2032	240374	64643.552	18954.121	45689.43	19.008	70.679	4371.83	1203.31	858.579
2033	239155	63793.514	17767.739	46025.77	19.245	72.148	4327.89	1182.54	861.001
2034	237793	63032.151	16633.270	46398.88	19.512	73.611	4278.98	1162.80	863.492
2035	222667	57653.301	15176.312	42476.99	19.076	73.677	4939.65	1315.47	978.799
2036	214955	52988.733	12636.510	40352.22	18.772	76.152	4762.93	1208.75	928.749
2037	212411	52026.921	11666.059	40360.86	19.001	77.577	4697.27	1185.50	927.518
2038	209896	50943.211	10714.342	40228.87	19.166	78.968	4627.97	1158.38	922.144
2039	207452	50085.991	9892.035	40193.96	19.375	80.250	4555.35	1135.19	917.975

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3095951	2244988.113	1726661.817	518326.3	16.742	23.088	888.698	649.875	495.641	154.234

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77988	62366.766	62238.117	128.649	0.165	0.206	1195.35	955.930	953.951	1.978
1993	78545	62652.888	62400.410	252.478	0.321	0.403	1182.40	943.195	939.371	3.824
1994	77443	61565.227	61168.248	396.979	0.513	0.645	1144.02	909.520	903.604	5.916
1995	76915	60851.961	60275.948	576.013	0.749	0.947	1114.40	881.759	873.319	8.440
1996	76251	60122.922	59321.610	801.312	1.051	1.333	1087.51	857.643	846.064	11.579
1997	75501	59237.155	58194.657	1042.498	1.381	1.760	1059.17	831.234	816.389	14.846
1998	75421	58906.696	57564.930	1341.766	1.779	2.278	1040.53	813.001	794.183	18.818
1999	73212	56930.073	55295.058	1635.015	2.233	2.872	993.997	773.329	750.738	22.591
2000	73856	57137.121	55120.951	2016.170	2.730	3.529	987.901	764.787	737.298	27.489
2001	73387	56481.726	54034.392	2447.334	3.335	4.333	968.648	746.169	713.212	32.958
2002	72558	55588.365	52688.099	2900.266	3.997	5.217	946.764	726.138	687.497	38.642
2003	72083	54945.856	51543.401	3402.455	4.720	6.192	930.563	710.281	665.400	44.881
2004	71471	54203.126	50246.288	3956.838	5.536	7.300	912.466	693.135	641.495	51.640
2005	71164	53744.603	49214.438	4530.165	6.366	8.429	897.750	679.296	620.848	58.447
2006	69888	52535.572	47401.390	5134.182	7.346	9.773	873.320	657.945	592.324	65.621
2007	68828	51492.124	45760.648	5731.476	8.327	11.131	850.960	638.264	565.766	72.497
2008	68526	51030.736	44572.488	6458.248	9.425	12.656	837.436	625.460	544.711	80.749
2009	67846	50276.199	43089.805	7186.393	10.592	14.294	819.044	608.943	520.185	88.759
2010	67574	49840.933	41924.367	7916.566	11.715	15.884	805.550	596.347	499.781	96.566
2011	66924	49072.841	40347.238	8725.603	13.038	17.781	789.610	581.354	476.039	105.315
2012	66616	48539.512	38943.514	9595.998	14.405	19.769	777.152	568.812	454.317	114.495
2013	65837	47675.741	37304.621	10371.12	15.753	21.753	758.975	552.318	430.052	122.267
2014	65586	47194.534	36014.926	11179.61	17.046	23.688	746.925	540.359	410.155	130.204
2015	64743	46305.842	34419.899	11885.94	18.359	25.668	728.477	526.439	400.452	155.987
2016	62244	44208.867	31902.738	12306.13	19.771	27.836	708.644	514.107	404.212	159.895
2017	60558	42702.624	29910.379	12792.24	21.124	29.957	692.856	503.903	375.300	164.603
2018	63213	44321.202	29927.004	14394.20	22.771	32.477	675.387	500.181	371.829	183.351
2019	63855	44493.088	29025.285	15467.80	24.223	34.765	665.218	500.181	356.920	194.992
2020	64345	44529.551	28060.229	16469.32	25.595	36.985	655.938	500.181	343.325	202.613
2021	57962	39852.556	24135.360	15717.20	27.116	39.438	646.235	500.181	335.715	224.831
2022	58351	39853.685	23129.964	16723.72	28.661	41.963	637.914	500.181	328.065	237.209
2023	58712	39847.050	22130.315	17716.74	30.176	44.462	629.806	500.181	320.602	249.068
2024	58980	39726.010	21124.392	18601.62	31.539	46.825	622.265	500.181	312.665	259.171
2025	58622	39207.348	20007.808	19199.54	32.751	48.969	615.447	500.181	304.832	271.747
2026	52470	34803.960	16928.451	17875.51	34.068	51.361	608.628	500.181	296.081	288.848
2027	52266	34484.595	15925.250	18559.34	35.509	53.819	601.106	500.181	287.357	298.301
2028	52016	34100.638	14890.720	19209.92	36.931	56.333	593.509	500.181	278.544	306.947
2029	51737	33669.838	13909.139	19760.70	38.194	58.690	586.037	500.181	269.732	313.723
2030	50349	32557.688	12866.597	19691.09	39.109	60.481	578.838	500.181	260.905	320.874
2031	44733	28646.393	10714.667	17931.73	40.086	62.597	571.062	500.181	252.065	328.358
2032	44351	28227.160	9952.666	18274.49	41.204	64.741	563.638	500.181	243.235	335.420
2033	43953	27786.623	9237.932	18548.69	42.201	66.754	556.406	500.181	234.402	342.504
2034	43522	27348.299	8568.774	18779.53	43.149	68.668	549.159	500.181	225.569	349.633
2035	41019	25570.077	7743.066	17827.01	43.460	69.718	541.968	500.181	216.736	356.762
2036	35140	21717.319	6035.363	15681.96	44.627	72.209	534.726	500.181	207.903	363.891
2037	34583	21256.024	5527.521	15728.50	45.480	73.996	527.480	500.181	199.070	371.020
2038	34031	20747.175	5039.843	15707.33	46.156	75.708	520.234	500.181	190.237	378.149
2039	33490	20327.688	4626.889	15700.80	46.882	77.238	513.002	500.181	181.404	385.278

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6423555	1098877.421	512739.668	586137.8	9.125	53.340	1843.89	318.101	147.183	170.918

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000	
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164549	36137.488	35293.115	844.373	0.513	2.337	2522.12	553.899	540.953	12.946
1993	164367	35599.588	34036.280	1563.308	0.951	4.391	2474.37	535.926	512.379	23.547
1994	159878	34336.757	31950.951	2385.807	1.492	6.948	2361.79	507.267	471.993	35.273
1995	158105	33455.759	30120.169	3335.590	2.110	9.970	2290.74	484.782	436.401	48.380
1996	154911	32193.824	27850.054	4343.770	2.804	13.493	2209.39	459.239	397.206	62.033
1997	150023	30665.509	25344.552	5320.957	3.547	17.352	2104.61	430.308	355.548	74.760
1998	145480	29188.430	22952.216	6236.214	4.287	21.365	2007.09	402.844	316.656	86.188
1999	166067	33375.386	24696.747	8678.639	5.226	26.003	2254.69	453.366	335.306	118.060
2000	160410	32024.754	22305.360	9719.394	6.059	30.350	2145.65	428.655	298.357	130.299
2001	154631	30682.393	19882.196	10800.20	6.984	35.200	2041.01	405.339	262.429	142.910
2002	152119	30218.370	18150.479	12067.89	7.933	39.936	1984.91	394.736	236.835	157.901
2003	147010	29175.202	16170.717	13004.49	8.846	44.574	1897.82	377.146	208.756	168.390
2004	138696	27488.687	13996.656	13492.03	9.728	49.082	1770.74	351.518	178.695	172.822
2005	136249	27017.439	12650.411	14367.03	10.545	53.177	1718.80	341.482	159.587	181.895
2006	132340	26231.435	11118.361	15113.07	11.420	57.614	1653.71	328.517	138.934	189.583
2007	126967	25103.049	9672.827	15430.22	12.153	61.468	1569.77	311.161	119.591	191.570
2008	126390	24621.740	8702.052	15919.69	12.596	64.657	1544.58	301.777	106.346	195.431
2009	123015	23741.177	7661.045	16080.13	13.072	67.731	1485.05	287.552	92.485	195.067
2010	121186	23189.160	6848.669	16340.49	13.484	70.466	1444.66	277.458	81.643	195.815
2011	120944	22786.927	6091.185	16695.74	13.805	73.269	1426.96	269.951	71.867	198.084
2012	121736	22485.295	5476.163	17009.13	13.972	75.646	1420.18	263.495	63.885	199.610
2013	123555	22251.884	4957.180	17294.70	13.998	77.722	1424.36	257.786	57.147	200.639
2014	124232	21894.593	4465.773	17428.82	14.029	79.603	1414.82	250.685	50.858	199.826
2015	124882	21471.109	4038.918	17432.19	13.959	81.189	1598.05	276.557	51.684	224.873
2016	127450	21411.568	3656.393	17755.18	13.931	82.923	1614.81	273.213	46.327	226.885
2017	129627	21169.399	3313.967	17855.43	13.775	84.345	1626.49	267.651	41.582	226.069
2018	122809	19830.576	2811.010	17019.57	13.859	85.825	1525.84	248.404	34.926	213.478
2019	123324	19431.014	2547.193	16883.82	13.691	86.891	1516.50	241.031	31.322	209.708
2020	122418	18532.612	2267.134	16265.48	13.287	87.767	1715.96	262.513	31.779	230.734
2021	121095	18234.128	2024.319	16209.81	13.386	88.898	1684.39	256.472	28.158	228.314
2022	121237	17812.559	1823.577	15988.98	13.188	89.762	1672.40	248.626	25.155	223.471
2023	121360	17361.668	1641.804	15719.86	12.953	90.544	1659.43	240.367	22.449	217.917
2024	121336	16929.676	1495.868	15433.81	12.720	91.164	1644.27	232.443	20.271	212.172
2025	117819	15501.666	1303.828	14197.84	12.051	91.589	1853.94	247.735	20.516	227.218
2026	117292	15523.814	1208.751	14315.06	12.205	92.214	1836.66	247.072	18.928	228.144
2027	116305	15073.070	1109.543	13963.53	12.006	92.639	1811.59	238.810	17.283	221.528
2028	115267	14636.710	1012.075	13624.63	11.820	93.085	1785.02	230.725	15.673	215.052
2029	114227	14180.166	927.039	13253.13	11.602	93.462	1757.52	222.256	14.264	207.993
2030	107409	12111.772	775.957	11335.82	10.554	93.593	1968.68	226.816	14.222	212.594
2031	107944	12417.367	760.502	11656.86	10.799	93.875	1971.62	231.935	13.891	218.044
2032	106614	12054.064	709.576	11344.49	10.641	94.113	1939.05	224.381	12.905	211.475
2033	105298	11672.389	657.494	11014.89	10.461	94.367	1905.53	216.370	11.898	204.472
2034	103957	11365.762	613.487	10752.28	10.343	94.602	1870.66	209.673	11.039	198.633
2035	93639	8580.360	461.268	8119.092	8.671	94.624	2077.29	195.777	10.233	185.545
2036	95035	8948.841	460.826	8488.015	8.932	94.850	2105.76	204.135	10.211	193.924
2037	93285	8624.570	436.067	8188.503	8.778	94.944	2062.91	196.522	9.643	186.879
2038	91586	8315.017	406.890	7908.126	8.635	95.107	2019.36	189.073	8.971	180.101
2039	89953	8001.132	375.289	7625.843	8.478	95.310	1975.24	181.344	8.241	173.104

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1506951	149918.462	69182.161	80736.30	5.358	53.853	432.573	43.398	19.859	23.539

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.519	105.054	0.327	2.359	492.015	68.262	66.652	1.611
1993	32897	4462.473	4263.966	198.507	0.603	4.448	495.229	67.179	64.189	2.990
1994	33325	4499.513	4186.176	313.337	0.940	6.964	492.297	66.473	61.840	4.633
1995	33574	4472.774	4028.482	444.292	1.323	9.933	486.436	64.812	58.367	6.444
1996	33878	4406.878	3817.765	589.113	1.739	13.368	483.172	62.863	54.450	8.413
1997	33527	4288.158	3552.101	736.057	2.195	17.165	470.341	60.173	49.831	10.342
1998	32811	4120.148	3249.843	870.306	2.652	21.123	452.668	56.864	44.836	12.028
1999	33397	3982.443	2978.335	1004.107	3.007	25.213	453.431	54.097	40.437	13.660
2000	33489	4021.411	2840.993	1180.418	3.525	29.353	447.950	53.827	38.001	15.826
2001	32312	3848.092	2549.060	1299.033	4.020	33.758	426.499	50.836	33.646	17.191
2002	31633	3783.081	2345.421	1437.661	4.545	38.002	412.754	49.418	30.604	18.813
2003	31041	3754.415	2163.004	1591.411	5.127	42.388	400.726	48.533	27.923	20.610
2004	29950	3666.274	1958.652	1707.622	5.702	46.576	382.371	46.883	25.006	21.877
2005	28784	3589.688	1771.334	1818.354	6.317	50.655	363.109	45.371	22.346	23.026
2006	28275	3596.985	1626.827	1970.157	6.968	54.772	353.325	45.048	20.329	24.719
2007	28127	3560.798	1477.897	2082.901	7.405	58.495	347.746	44.137	18.272	25.865
2008	27240	3417.001	1301.178	2115.823	7.767	61.920	332.891	41.881	15.901	25.979
2009	27195	3394.390	1184.998	2209.391	8.124	65.090	328.301	41.113	14.305	26.807
2010	27053	3340.137	1073.079	2267.059	8.380	67.873	322.505	39.965	12.792	27.173
2011	27119	3285.435	967.694	2317.741	8.547	70.546	319.966	38.922	11.417	27.504
2012	27236	3259.209	873.425	2385.784	8.760	73.201	317.732	38.193	10.189	28.004
2013	28109	3274.703	802.211	2472.492	8.796	75.503	324.038	37.937	9.248	28.689
2014	29024	3298.083	736.118	2561.965	8.827	77.680	330.540	37.762	8.383	29.379
2015	29824	3244.406	667.571	2576.835	8.640	79.424	381.636	41.789	8.543	33.247
2016	30809	3314.836	622.675	2692.161	8.738	81.216	390.357	42.297	7.889	34.408
2017	31748	3333.314	572.718	2760.596	8.695	82.818	398.354	42.144	7.186	34.958
2018	29687	2925.242	464.650	2460.592	8.288	84.116	368.851	36.642	5.773	30.869
2019	29967	2864.628	420.116	2444.512	8.157	85.334	368.503	35.534	5.166	30.368
2020	29993	2730.366	371.740	2358.627	7.864	86.385	420.419	38.675	5.211	33.465
2021	30536	2647.911	332.930	2314.981	7.581	87.427	424.743	37.244	4.631	32.613
2022	30775	2586.165	299.189	2286.975	7.431	88.431	424.525	36.097	4.127	31.970
2023	31011	2517.960	269.089	2248.871	7.252	89.313	424.034	34.860	3.679	31.181
2024	31201	2454.161	244.584	2209.576	7.082	90.034	422.820	33.695	3.314	30.381
2025	30827	2275.364	212.753	2062.611	6.691	90.650	485.083	36.363	3.348	33.015
2026	31303	2183.166	190.835	1992.332	6.365	91.259	490.171	34.747	2.988	31.758
2027	31211	2112.345	173.700	1938.644	6.212	91.777	486.143	33.467	2.706	30.761
2028	31093	2046.677	158.130	1888.547	6.074	92.274	481.502	32.263	2.449	29.814
2029	30968	1977.671	143.872	1833.799	5.922	92.725	476.476	30.997	2.214	28.784
2030	30070	1744.457	121.732	1622.725	5.397	93.022	551.146	32.668	2.231	30.437
2031	29743	1653.738	110.194	1543.543	5.190	93.337	543.259	30.889	2.013	28.876
2032	29520	1603.120	101.167	1501.953	5.088	93.689	536.893	29.841	1.840	28.001
2033	29287	1548.245	93.288	1454.956	4.968	93.975	529.999	28.700	1.688	27.012
2034	29029	1511.985	87.097	1424.888	4.908	94.240	522.371	27.893	1.567	26.325
2035	27597	1239.866	69.478	1170.388	4.241	94.396	612.204	28.290	1.541	26.749
2036	26444	1182.522	63.446	1119.076	4.232	94.635	585.951	26.975	1.406	25.569
2037	26012	1134.483	59.563	1074.920	4.132	94.750	575.229	25.851	1.317	24.534
2038	25576	1093.537	55.280	1038.257	4.059	94.945	563.932	24.866	1.219	23.647
2039	25144	1047.905	50.610	997.295	3.966	95.170	552.118	23.751	1.111	22.639

Results for PHIM for Run 5 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2266207	1015606.587	679349.724	336256.9	14.838	33.109	650.518	293.996	195.008	98.988

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.376	57.813	0.170	0.303	520.249	292.085	291.197	0.888
1993	35914	20095.670	19977.414	118.255	0.329	0.588	540.648	302.526	300.738	1.788
1994	35077	19524.095	19343.278	180.817	0.515	0.926	518.166	288.435	285.747	2.688
1995	34674	19116.002	18857.114	258.888	0.747	1.354	502.376	276.995	273.215	3.781
1996	34590	18975.021	18621.364	353.657	1.022	1.864	493.330	270.675	265.584	5.092
1997	35279	19169.025	18699.432	469.593	1.331	2.450	494.916	268.986	262.327	6.659
1998	35693	19228.937	18624.372	604.565	1.694	3.144	492.425	265.388	256.947	8.441
1999	38542	20589.820	19795.589	794.232	2.061	3.857	523.285	279.689	268.764	10.925
2000	36316	19196.417	18297.918	898.500	2.474	4.681	485.767	256.946	244.753	12.193
2001	36324	19012.731	17924.616	1088.115	2.996	5.723	479.450	251.174	236.591	14.583
2002	36037	18699.357	17426.155	1273.202	3.533	6.809	470.227	244.265	227.384	16.882
2003	36273	18663.550	17177.225	1486.325	4.098	7.964	468.264	241.262	221.750	19.513
2004	34690	17679.164	16031.053	1648.110	4.751	9.322	442.882	226.076	204.669	21.408
2005	36926	18692.832	16700.528	1992.304	5.395	10.658	465.825	236.265	210.680	25.585
2006	34460	17308.564	15192.497	2116.066	6.141	12.226	430.604	216.769	189.844	26.925
2007	35457	17683.181	15233.178	2450.003	6.910	13.855	438.379	219.189	188.337	30.853
2008	38412	19006.374	16080.965	2925.409	7.616	15.392	469.420	232.952	196.522	36.430
2009	37082	18205.573	15057.424	3148.149	8.490	17.292	447.664	220.505	181.775	38.730
2010	37440	18237.758	14784.590	3453.168	9.223	18.934	446.321	218.215	176.247	41.967
2011	38329	18487.916	14587.760	3900.156	10.175	21.096	452.228	219.022	172.114	46.907
2012	38770	18491.158	14213.787	4277.372	11.033	23.132	452.292	216.689	165.819	50.870
2013	40599	19143.452	14345.698	4797.754	11.817	25.062	468.030	221.775	165.379	56.396
2014	40680	18992.005	13829.702	5162.303	12.690	27.181	463.288	217.451	157.499	59.952
2015	42698	19728.885	14034.683	5694.202	13.336	28.862	546.379	254.116	179.594	74.523
2016	43543	19876.724	13730.420	6146.305	14.115	30.922	551.697	253.628	173.966	79.661
2017	44597	20119.790	13474.716	6645.075	14.900	33.028	559.575	254.381	169.074	85.307
2018	46015	20535.123	13325.071	7210.052	15.669	35.111	571.716	257.229	165.558	91.671
2019	47572	21009.029	13204.484	7804.546	16.406	37.149	584.986	260.605	162.374	98.231
2020	49097	21428.512	13051.582	8376.930	17.062	39.092	688.202	303.533	182.946	120.587
2021	49192	21266.697	12449.366	8817.331	17.924	41.461	684.243	299.127	173.167	125.960
2022	50717	21663.568	12198.102	9465.466	18.663	43.693	699.611	302.378	168.266	134.112
2023	52270	22084.131	11953.315	10130.82	19.382	45.874	714.727	305.748	163.445	142.302
2024	53773	22418.456	11687.748	10730.71	19.956	47.866	728.695	307.804	158.385	149.419
2025	54894	22614.834	11358.907	11255.93	20.505	49.772	863.778	361.411	178.738	182.674
2026	55463	22571.522	10853.142	11718.38	21.128	51.917	868.484	359.241	169.948	189.293
2027	56471	22774.416	10456.345	12318.07	21.813	54.087	879.601	360.827	162.871	197.956
2028	57439	22915.561	10011.000	12904.56	22.467	56.314	889.496	361.228	155.029	206.199
2029	58393	22992.027	9562.261	13429.77	22.999	58.411	898.452	360.371	147.127	213.244
2030	58706	22895.360	9109.183	13786.18	23.484	60.214	1076.01	428.760	166.962	261.798
2031	59140	22715.871	8625.969	14089.90	23.825	62.027	1080.20	424.293	157.556	266.737
2032	59890	22759.207	8190.711	14568.50	24.326	64.011	1089.25	423.652	148.969	274.682
2033	60616	22786.258	7779.025	15007.23	24.758	65.861	1096.95	422.387	140.774	281.614
2034	61285	22806.106	7363.913	15442.19	25.197	67.711	1102.80	420.721	132.510	288.211
2035	60412	22262.998	6902.500	15360.50	25.426	68.996	1340.19	507.973	153.125	354.848
2036	58336	21140.051	6076.876	15063.18	25.821	71.254	1292.60	482.234	134.650	347.583
2037	58531	21011.845	5642.908	15368.94	26.258	73.144	1294.36	478.783	124.788	353.995
2038	58703	20787.483	5212.329	15575.15	26.532	74.926	1294.33	472.681	114.926	357.755
2039	58865	20709.267	4839.248	15870.02	26.960	76.632	1292.60	469.372	106.263	363.109

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Control File Details for Run: 6

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S3C
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_3
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 6, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 6, Scenario: Ecig

Variable Parameter		Value									
1. Country		US (United States)									
2. Sex		F (Females)									
3. Assumption Set		S3C									
Note:		Period is in Months									
Age	Period	Initiation			Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual	
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.010927	0.000000	0.000000	0.000000	0.000000	
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.003144	0.000000	0.000000	0.000000	0.000000	
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.000952	0.000000	0.000000	0.000000	0.000000	
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.001719	0.000000	0.000000	0.000000	0.000000	
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.001437	0.000000	0.000000	0.000000	0.000000	
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.001239	0.000000	0.000000	0.000000	0.000000	
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.001041	0.000000	0.000000	0.000000	0.000000	
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.002154	0.000000	0.000000	0.000000	0.000000	
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002920	0.000000	0.000000	0.000000	0.000000	
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002791	0.000000	0.000000	0.000000	0.000000	
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.005793	0.000000	0.000000	0.000000	0.000000	
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.004381	0.000000	0.000000	0.000000	0.000000	
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.005411	0.000000	0.000000	0.000000	0.000000	
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.005411	0.000000	0.000000	0.000000	0.000000	
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.010927	0.000000	0.000000	0.000000	0.000000	
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.005103	0.000000	0.000000	0.000000	0.000000	
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.001576	0.000000	0.000000	0.000000	0.000000	
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.001190	0.000000	0.000000	0.000000	0.000000	
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.000916	0.000000	0.000000	0.000000	0.000000	
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000942	0.000000	0.000000	0.000000	0.000000	
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001918	0.000000	0.000000	0.000000	0.000000	
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.003747	0.000000	0.000000	0.000000	0.000000	
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003949	0.000000	0.000000	0.000000	0.000000	
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.003706	0.000000	0.000000	0.000000	0.000000	
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.004541	0.000000	0.000000	0.000000	0.000000	
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.005652	0.000000	0.000000	0.000000	0.000000	
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.006510	0.000000	0.000000	0.000000	0.000000	
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.006510	0.000000	0.000000	0.000000	0.000000	
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.010927	0.000000	0.000000	0.000000	0.000000	
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.004216	0.000000	0.000000	0.000000	0.000000	
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.004851	0.000000	0.000000	0.000000	0.000000	
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.002442	0.000000	0.000000	0.000000	0.000000	
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.001673	0.000000	0.000000	0.000000	0.000000	
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001884	0.000000	0.000000	0.000000	0.000000	
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002600	0.000000	0.000000	0.000000	0.000000	
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.004761	0.000000	0.000000	0.000000	0.000000	
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.006089	0.000000	0.000000	0.000000	0.000000	
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.005699	0.000000	0.000000	0.000000	0.000000	
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.008990	0.000000	0.000000	0.000000	0.000000	
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.008792	0.000000	0.000000	0.000000	0.000000	
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.010258	0.000000	0.000000	0.000000	0.000000	
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.010258	0.000000	0.000000	0.000000	0.000000	
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.010927	0.000000	0.000000	0.000000	0.000000	
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.004994	0.000000	0.000000	0.000000	0.000000	
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.003507	0.000000	0.000000	0.000000	0.000000	
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.001968	0.000000	0.000000	0.000000	0.000000	
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.001616	0.000000	0.000000	0.000000	0.000000	
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001524	0.000000	0.000000	0.000000	0.000000	
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.002071	0.000000	0.000000	0.000000	0.000000	
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.002493	0.000000	0.000000	0.000000	0.000000	
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002692	0.000000	0.000000	0.000000	0.000000	
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002590	0.000000	0.000000	0.000000	0.000000	
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.006311	0.000000	0.000000	0.000000	0.000000	
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.004601	0.000000	0.000000	0.000000	0.000000	
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.007679	0.000000	0.000000	0.000000	0.000000	
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.007679	0.000000	0.000000	0.000000	0.000000	
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.010927	0.000000	0.000000	0.000000	0.000000	
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.007212	0.000000	0.000000	0.000000	0.000000	
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.004078	0.000000	0.000000	0.000000	0.000000	
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.002502	0.000000	0.000000	0.000000	0.000000	
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.004051	0.000000	0.000000	0.000000	0.000000	
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.002213	0.000000	0.000000	0.000000	0.000000	
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002716	0.000000	0.000000	0.000000	0.000000	
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002593	0.000000	0.000000	0.000000	0.000000	
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.004289	0.000000	0.000000	0.000000	0.000000	

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.003633	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.008923	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.006203	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.007836	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.007836	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.010927	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.011800	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.003538	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.003319	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.005767	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.003259	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003894	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002665	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.004371	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.003677	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.006719	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.002236	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.005096	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.005096	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 6, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 6, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		F (Females)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	10659	11.63	0	0.00			
5	All Ages	Ecig	11555	12.61					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18538	20.23			14.09	1217	6.56
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	233	7.34	0	0.00			
5	18-19	Ecig	418	13.16					
5	18-19	Dual	0	0.00					
5	18-19	Former	91	2.87			1.16	58	63.74
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	862	10.32	0	0.00			
5	20-24	Ecig	1229	14.72					
5	20-24	Dual	0	0.00					
5	20-24	Former	465	5.57			3.15	117	25.16
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1384	15.74					
5	25-29	Dual	0	0.00					
5	25-29	Former	1034	11.76			5.89	60	5.80
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

5	30-34	Never Any	5304	52.63					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1792	17.78					
5	30-34	Dual	0	0.00					
5	30-34	Former	1609	15.97			8.12	70	4.35
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1735	16.53					
5	35-39	Dual	0	0.00					
5	35-39	Former	2076	19.77			8.71	69	3.32
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1342	13.98					
5	40-44	Dual	0	0.00					
5	40-44	Former	2105	21.93			12.01	92	4.37
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1141	13.43					
5	45-49	Dual	0	0.00					
5	45-49	Former	2026	23.84			10.83	143	7.06
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	810	12.39					
5	50-54	Dual	0	0.00					
5	50-54	Former	1871	28.63			14.80	151	8.07
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	619	11.19					
5	55-59	Dual	0	0.00					
5	55-59	Former	1509	27.27			15.77	97	6.43
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	439	8.34					
5	60-64	Dual	0	0.00					
5	60-64	Former	1460	27.74			19.15	92	6.30
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	368	6.66					
5	65-69	Dual	0	0.00					
5	65-69	Former	1476	26.72			19.27	112	7.59
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	180	3.39					
5	70-74	Dual	0	0.00					
5	70-74	Former	1504	28.36			22.20	84	5.59
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	98	2.19					
5	75-79	Dual	0	0.00					
5	75-79	Former	1312	29.25			25.81	72	5.49
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	4595	5.00	0	0.00			
10	All Ages	Ecig	14951	16.27					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21939	23.87			14.72	1953	8.90
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	370	4.67	0	0.00			
10	20-24	Ecig	1677	21.15					
10	20-24	Dual	0	0.00					
10	20-24	Former	755	9.52			3.55	199	26.36
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	400	4.79	0	0.00			
10	25-29	Ecig	1618	19.38					
10	25-29	Dual	0	0.00					
10	25-29	Former	839	10.05			5.38	147	17.52
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1863	21.19					
10	30-34	Dual	0	0.00					
10	30-34	Former	1299	14.77			9.05	108	8.31
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2358	23.40					
10	35-39	Dual	0	0.00					
10	35-39	Former	1875	18.60			11.50	129	6.88
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2232	21.26					
10	40-44	Dual	0	0.00					
10	40-44	Former	2405	22.91			12.05	165	6.86
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1600	16.67					
10	45-49	Dual	0	0.00					
10	45-49	Former	2536	26.42			14.41	206	8.12
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1221	14.37					
10	50-54	Dual	0	0.00					
10	50-54	Former	2542	29.92			13.01	213	8.38
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	850	13.00					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2287	34.99			16.54	174	7.61
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		619	11.19					
10	60-64	Dual		0	0.00					
10	60-64	Former		1897	34.28			16.90	166	8.75
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		401	7.62					
10	65-69	Dual		0	0.00					
10	65-69	Former		1851	35.16			19.44	167	9.02
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		329	5.96					
10	70-74	Dual		0	0.00					
10	70-74	Former		1843	33.36			19.81	164	8.90
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		183	3.45					
10	75-79	Dual		0	0.00					
10	75-79	Former		1810	34.13			22.94	115	6.35
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		1890	2.18	0	0.00			
15	All Ages	Ecig		14571	16.82					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		23142	26.72			16.80	1072	4.63
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		166	2.09	0	0.00			
15	25-29	Ecig		1796	22.65					
15	25-29	Dual		0	0.00					
15	25-29	Former		1108	13.97			6.58	115	10.38
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		149	1.78	0	0.00			
15	30-34	Ecig		1710	20.48					
15	30-34	Dual		0	0.00					
15	30-34	Former		1084	12.98			8.48	99	9.13
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	1918	21.81					
15	35-39	Dual	0	0.00					
15	35-39	Former	1519	17.28			12.31	88	5.79
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2392	23.73					
15	40-44	Dual	0	0.00					
15	40-44	Former	2164	21.47			14.56	126	5.82
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2215	21.10					
15	45-49	Dual	0	0.00					
15	45-49	Former	2769	26.37			15.08	144	5.20
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1514	15.77					
15	50-54	Dual	0	0.00					
15	50-54	Former	2877	29.97			17.39	108	3.75
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1153	13.57					
15	55-59	Dual	0	0.00					
15	55-59	Former	2822	33.21			16.45	89	3.15
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	764	11.69					
15	60-64	Dual	0	0.00					
15	60-64	Former	2525	38.63			19.70	100	3.96
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	529	9.56					
15	65-69	Dual	0	0.00					
15	65-69	Former	2161	39.05			19.53	69	3.19
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	334	6.34					
15	70-74	Dual	0	0.00					
15	70-74	Former	2059	39.11			22.20	73	3.55
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	246	4.45					
15	75-79	Dual	0	0.00					
15	75-79	Former	2054	37.18			22.50	61	2.97
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	765	0.94	0	0.00			
20	All Ages	Ecig	12481	15.39					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	24076	29.69			18.84	1239	5.15
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	65	0.82	0	0.00			
20	30-34	Ecig	1683	21.22					
20	30-34	Dual	0	0.00					
20	30-34	Former	1439	18.15			9.32	153	10.63
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	58	0.69	0	0.00			
20	35-39	Ecig	1569	18.79					
20	35-39	Dual	0	0.00					
20	35-39	Former	1364	16.34			11.11	103	7.55
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	1721	19.57					
20	40-44	Dual	0	0.00					
20	40-44	Former	1819	20.69			14.76	133	7.31
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2162	21.45					
20	45-49	Dual	0	0.00					
20	45-49	Former	2527	25.07			17.01	155	6.13
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	1952	18.59					
20	50-54	Dual	0	0.00					
20	50-54	Former	3168	30.17			17.77	188	5.93
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1300	13.54					
20	55-59	Dual	0	0.00					
20	55-59	Former	3191	33.24			20.39	115	3.60
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	924	10.87					
20	60-64	Dual	0	0.00					
20	60-64	Former	3146	37.02			19.42	152	4.83
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	558	8.54					
20	65-69	Dual	0	0.00					
20	65-69	Former	2815	43.07			22.37	94	3.34
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	400	7.23					
20	70-74	Dual	0	0.00					
20	70-74	Former	2362	42.68			22.61	74	3.13
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	212	4.03					
20	75-79	Dual	0	0.00					
20	75-79	Former	2245	42.65			25.12	72	3.21
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	340	0.45	0	0.00			
25	All Ages	Ecig	9913	13.07					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	24554	32.39			20.86	1027	4.18
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	20	0.25	0	0.00			
25	35-39	Ecig	1334	16.82					
25	35-39	Dual	0	0.00					
25	35-39	Former	1850	23.33			11.62	144	7.78
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	33	0.40	0	0.00			
25	40-44	Ecig	1318	15.78					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1640	19.64			13.73	111	6.77
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5189	59.01					
25	45-49	CC	32	0.36	0	0.00			
25	45-49	Ecig	1464	16.65					
25	45-49	Dual	0	0.00					
25	45-49	Former	2108	23.97			17.34	105	4.98
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5284	52.43					
25	50-54	CC	45	0.45	0	0.00			
25	50-54	Ecig	1841	18.27					
25	50-54	Dual	0	0.00					
25	50-54	Former	2908	28.85			19.37	175	6.02
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5278	50.27					
25	55-59	CC	37	0.35	0	0.00			
25	55-59	Ecig	1568	14.93					
25	55-59	Dual	0	0.00					
25	55-59	Former	3616	34.44			20.21	164	4.54
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	42	0.44	0	0.00			
25	60-64	Ecig	978	10.19					
25	60-64	Dual	0	0.00					
25	60-64	Former	3562	37.10			22.94	171	4.80
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	41	0.48	0	0.00			
25	65-69	Ecig	672	7.91					
25	65-69	Dual	0	0.00					
25	65-69	Former	3428	40.34			22.62	75	2.19
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	31	0.47	0	0.00			
25	70-74	Ecig	437	6.69					
25	70-74	Dual	0	0.00					
25	70-74	Former	2952	45.17			26.22	41	1.39
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	59	1.07	0	0.00			
25	75-79	Ecig	301	5.44					
25	75-79	Dual	0	0.00					
25	75-79	Former	2490	44.99			26.32	41	1.65
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38326	54.53					
30	All Ages	CC	115	0.16	0	0.00			
30	All Ages	Ecig	7713	10.97					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	24129	34.33			23.26	778	3.22
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	1102	13.90					
30	40-44	Dual	0	0.00					
30	40-44	Former	2096	26.43			14.92	80	3.82
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	1128	13.51					
30	45-49	Dual	0	0.00					
30	45-49	Former	1850	22.16			16.87	65	3.51
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1206	13.72					
30	50-54	Dual	0	0.00					
30	50-54	Former	2389	27.17			19.93	128	5.36
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	1450	14.39					
30	55-59	Dual	0	0.00					
30	55-59	Former	3330	33.04			21.54	163	4.89
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	1207	11.50					
30	60-64	Dual	0	0.00					
30	60-64	Former	3999	38.09			22.98	154	3.85
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	729	7.59					
30	65-69	Dual	0	0.00					
30	65-69	Former	3835	39.95			26.12	76	1.98
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	557	6.56					
30	70-74	Dual	0	0.00					
30	70-74	Former	3562	41.92			26.64	68	1.91
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	334	5.11					
30	75-79	Dual	0	0.00					
30	75-79	Former	3068	46.94			30.12	44	1.43
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	5808	9.11					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	22682	35.58			25.46	632	2.79
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	891	11.24					
35	45-49	Dual	0	0.00					
35	45-49	Former	2312	29.16			18.26	79	3.42
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	918	10.99					
35	50-54	Dual	0	0.00					
35	50-54	Former	2070	24.79			19.73	108	5.22
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	958	10.90					
35	55-59	Dual	0	0.00					
35	55-59	Former	2642	30.05			22.75	90	3.41
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	1097	10.89					
35	60-64	Dual	0	0.00					
35	60-64	Former	3690	36.61			24.13	161	4.36
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	902	8.59					
35	65-69	Dual	0	0.00					
35	65-69	Former	4312	41.07			26.13	82	1.90
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	608	6.33					
35	70-74	Dual	0	0.00					
35	70-74	Former	3963	41.28			30.17	65	1.64
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	434	5.11					
35	75-79	Dual	0	0.00					
35	75-79	Former	3693	43.46			30.60	47	1.27
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	4092	7.41					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	20290	36.72			27.70	508	2.50
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4726	59.60					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		710	8.95					
40	50-54	Dual		0	0.00					
40	50-54	Former		2494	31.45			21.69	96	3.85
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		5359	64.18					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		704	8.43					
40	55-59	Dual		0	0.00					
40	55-59	Former		2287	27.39			22.58	74	3.24
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5189	59.01					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		709	8.06					
40	60-64	Dual		0	0.00					
40	60-64	Former		2892	32.89			25.50	115	3.98
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		5284	52.43					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		801	7.95					
40	65-69	Dual		0	0.00					
40	65-69	Former		3990	39.59			27.13	72	1.80
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		5278	50.27					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		722	6.88					
40	70-74	Dual		0	0.00					
40	70-74	Former		4495	42.81			29.94	88	1.96
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

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40	75-79	Ecig	446	4.65					
40	75-79	Dual	0	0.00					
40	75-79	Former	4132	43.04			33.81	63	1.52
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	2820	6.18					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	16989	37.22			29.71	314	1.85
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

45	55-59	Never Any	4726	59.60					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	561	7.07					
45	55-59	Dual	0	0.00					
45	55-59	Former	2643	33.33			25.30	59	2.23
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	532	6.37					
45	60-64	Dual	0	0.00					
45	60-64	Former	2459	29.45			25.79	73	2.97
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	527	5.99					
45	65-69	Dual	0	0.00					
45	65-69	Former	3074	34.96			28.84	48	1.56
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	673	6.68					
45	70-74	Dual	0	0.00					
45	70-74	Former	4120	40.88			31.16	65	1.58
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	527	5.02					
45	75-79	Dual	0	0.00					
45	75-79	Former	4693	44.70			33.55	69	1.47
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	1734	4.93					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12855	36.57			31.90	203	1.58
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	417	5.26					
50	60-64	Dual	0	0.00					
50	60-64	Former	2787	35.15			28.83	61	2.19
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	405	4.85					
50	65-69	Dual	0	0.00					
50	65-69	Former	2586	30.97			29.40	30	1.16
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	422	4.80					
50	70-74	Dual	0	0.00					
50	70-74	Former	3179	36.15			32.78	51	1.60
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	490	4.86					
50	75-79	Dual	0	0.00					
50	75-79	Former	4303	42.70			34.72	61	1.42

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	9082078	2946250.006	1936328.340	1009922	11.120	34.278	2493.45	808.881	531.611	277.270

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198532	60494.150	60022.396	471.754	0.238	0.780	2829.84	862.271	855.547	6.724
1993	202512	62694.848	61776.514	918.334	0.453	1.465	2845.85	881.034	868.129	12.905
1994	200658	63202.598	61751.191	1451.407	0.723	2.296	2777.87	874.966	854.873	20.093
1995	201023	63766.862	61669.465	2097.397	1.043	3.289	2739.80	869.097	840.511	28.586
1996	201180	64591.163	61716.177	2874.985	1.429	4.451	2706.36	868.908	830.233	38.676
1997	198639	64686.912	61084.751	3602.161	1.813	5.569	2635.18	858.147	810.360	47.787
1998	197573	65295.961	60851.125	4444.837	2.250	6.807	2584.18	854.046	795.909	58.137
1999	211329	67327.521	61583.002	5744.519	2.718	8.532	2726.91	868.771	794.645	74.125
2000	208496	67596.897	60902.928	6693.968	3.211	9.903	2656.96	861.419	776.115	85.304
2001	203606	67008.811	59309.407	7699.403	3.782	11.490	2565.88	844.458	747.429	97.029
2002	200828	67067.744	58248.274	8819.470	4.392	13.150	2506.09	836.925	726.868	110.056
2003	196352	66756.217	56923.719	9832.497	5.008	14.729	2427.31	825.244	703.694	121.550
2004	188160	65058.725	54368.504	10690.22	5.681	16.432	2302.83	796.234	665.400	130.834
2005	186416	65214.724	53369.285	11845.44	6.354	18.164	2256.27	789.321	645.951	143.370
2006	180088	63771.146	51048.299	12722.85	7.065	19.951	2160.67	765.117	612.470	152.647
2007	175644	63110.718	49486.598	13624.12	7.757	21.588	2086.36	749.650	587.818	161.832
2008	177570	63718.624	48793.357	14925.27	8.405	23.424	2086.39	748.674	573.306	175.367
2009	172806	62794.698	47027.415	15767.28	9.124	25.109	2007.57	729.515	546.339	183.176
2010	170489	61917.074	45264.675	16652.40	9.767	26.895	1957.97	711.083	519.839	191.243
2011	170305	61680.114	43843.154	17836.96	10.474	28.918	1937.46	701.700	498.779	202.921
2012	171421	62023.127	42871.239	19151.89	11.172	30.879	1930.22	698.386	482.734	215.652
2013	172699	62037.765	41700.331	20337.43	11.776	32.782	1923.75	691.059	464.513	226.545
2014	174169	61921.017	40283.383	21637.63	12.423	34.944	1918.85	682.195	443.809	238.386
2015	177354	61856.204	39108.881	22747.32	12.826	36.775	2184.51	761.899	481.714	280.185
2016	176853	60464.119	36824.051	23640.07	13.367	39.098	2157.59	737.655	449.249	288.406
2017	179309	60243.839	35406.119	24837.72	13.852	41.229	2166.86	728.017	427.865	300.151
2018	177157	60713.327	34787.684	25925.64	14.634	42.702	2120.51	726.721	416.398	310.322
2019	179227	61148.172	33831.118	27317.05	15.242	44.674	2124.53	724.841	401.029	323.812
2020	180467	61149.317	32861.249	28288.07	15.675	46.261	2424.25	821.432	441.433	380.000
2021	178116	58727.786	30027.552	28700.23	16.113	48.870	2375.42	783.216	400.459	382.757
2022	179408	58848.802	28969.142	29879.66	16.655	50.774	2374.52	778.881	383.415	395.466
2023	180640	58816.149	27902.695	30913.45	17.113	52.559	2372.26	772.407	366.434	405.973
2024	181610	58955.232	26839.576	32115.66	17.684	54.475	2366.77	768.316	349.779	418.538
2025	180418	58297.744	25670.208	32627.54	18.084	55.967	2713.69	876.861	386.108	490.753
2026	180313	56469.971	23619.455	32850.52	18.219	58.173	2701.83	846.150	353.915	492.234
2027	179619	56209.427	22451.989	33757.44	18.794	60.057	2680.68	838.883	335.079	503.804
2028	178762	55733.105	21226.339	34506.77	19.303	61.914	2656.74	828.298	315.463	512.835
2029	177808	55145.838	19993.725	35152.11	19.770	63.744	2630.89	815.951	295.832	520.119
2030	173587	53615.097	18746.306	34868.79	20.087	65.035	3040.33	939.056	328.337	610.719
2031	174985	52046.561	17516.330	34530.23	19.733	66.345	3060.73	910.364	306.384	603.980
2032	173400	51582.636	16508.701	35073.94	20.227	67.996	3027.10	900.496	288.198	612.298
2033	171756	50839.758	15487.711	35352.05	20.583	69.536	2991.14	885.375	269.719	615.656
2034	169973	50215.451	14489.612	35725.84	21.019	71.145	2951.96	872.104	251.645	620.459
2035	162644	47773.075	13383.241	34389.83	21.144	71.986	3459.14	1016.05	284.637	731.409
2036	156254	43298.709	11425.725	31872.98	20.398	73.612	3328.25	922.274	243.371	678.903
2037	153593	42241.563	10451.523	31790.04	20.698	75.258	3274.10	900.450	222.792	677.659
2038	150947	41356.353	9671.199	31685.15	20.991	76.615	3217.50	881.531	206.146	675.385
2039	148373	40161.050	8798.174	31362.88	21.138	78.093	3159.42	855.178	187.346	667.832

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1138102.006	442363.2	19.004	27.989	639.078	433.910	312.461	121.449

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.414	93.992	0.207	0.287	647.450	467.274	465.934	1.340
1993	46291	33491.183	33305.292	185.892	0.402	0.555	650.515	470.643	468.030	2.612
1994	47017	34074.347	33772.805	301.543	0.641	0.885	650.895	471.719	467.545	4.175
1995	47840	34694.454	34239.459	454.995	0.951	1.311	652.025	472.861	466.660	6.201
1996	48244	35027.269	34397.187	630.081	1.306	1.799	648.999	471.202	462.726	8.476
1997	49035	35590.763	34751.756	839.006	1.711	2.357	650.506	472.153	461.022	11.130
1998	49686	36100.785	35014.641	1086.143	2.186	3.009	649.874	472.184	457.978	14.206
1999	48883	35451.030	34141.259	1309.771	2.679	3.695	630.769	457.448	440.547	16.901
2000	50331	36447.986	34807.365	1640.621	3.260	4.501	641.392	464.474	443.567	20.907
2001	50389	36411.326	34434.810	1976.516	3.923	5.428	635.012	458.863	433.954	24.908
2002	51445	37078.545	34684.702	2393.843	4.653	6.456	641.972	462.696	432.823	29.872
2003	51408	36999.876	34207.007	2792.869	5.433	7.548	635.509	457.395	422.869	34.526
2004	51399	36861.555	33625.780	3235.775	6.295	8.778	629.057	451.138	411.536	39.602
2005	51421	36689.529	32984.981	3704.547	7.204	10.097	622.370	444.069	399.231	44.838
2006	51355	36504.774	32307.403	4197.371	8.173	11.498	616.150	437.979	387.620	50.359
2007	51839	36663.202	31879.125	4784.077	9.229	13.049	615.761	435.498	378.671	56.827
2008	50976	35898.803	30673.073	5225.731	10.251	14.557	598.952	421.800	360.399	61.401
2009	51193	35934.525	30077.965	5856.561	11.440	16.298	594.733	417.468	349.430	68.038
2010	50853	35502.829	29127.822	6375.008	12.536	17.956	584.018	407.730	334.517	73.213
2011	50509	35136.342	28158.906	6977.435	13.814	19.858	574.613	399.726	320.348	79.378
2012	51245	35450.201	27722.834	7727.367	15.079	21.798	577.023	399.173	312.162	87.011
2013	51069	35123.224	26737.146	8386.078	16.421	23.876	568.874	391.249	297.834	93.415
2014	51251	35079.370	25987.863	9091.507	17.739	25.917	564.641	386.476	286.313	100.163
2015	50443	34324.171	24769.660	9554.511	18.941	27.836	621.319	422.780	305.094	117.685
2016	48854	33054.753	23095.899	9958.854	20.385	30.128	596.013	403.264	281.767	121.497
2017	48325	32471.234	21931.760	10539.47	21.810	32.458	583.983	392.399	265.034	127.364
2018	50465	33657.595	21879.335	11778.26	23.339	34.994	604.052	402.871	261.889	140.982
2019	51036	33863.424	21202.684	12660.74	24.807	37.388	604.975	401.412	251.333	150.078
2020	51444	33910.830	20513.490	13397.34	26.043	39.508	691.053	455.532	275.562	179.969
2021	48037	31531.880	18281.903	13249.98	27.583	42.021	640.639	420.521	243.814	176.707
2022	48335	31560.212	17538.137	14022.08	29.010	44.430	639.727	417.708	232.122	185.586
2023	48599	31508.781	16785.239	14723.54	30.296	46.728	638.227	413.791	220.433	193.358
2024	48784	31517.293	16026.847	15490.45	31.753	49.149	635.757	410.740	208.865	201.875
2025	48477	31175.389	15212.137	15963.25	32.930	51.205	729.141	468.912	228.807	240.105
2026	45324	29044.598	13512.679	15531.92	34.269	53.476	679.138	435.206	202.475	232.731
2027	45107	28825.765	12736.009	16089.76	35.670	55.817	673.191	430.203	190.075	240.127
2028	44842	28513.846	11941.375	16572.47	36.958	58.121	666.430	423.769	177.471	246.298
2029	44539	28148.109	11146.965	17001.14	38.171	60.399	659.013	416.486	164.933	251.553
2030	43393	27314.475	10343.995	16970.48	39.109	62.130	760.018	478.407	181.173	297.234
2031	40748	25423.102	9266.800	16156.30	39.650	63.550	712.731	444.684	162.089	282.595
2032	40325	25085.902	8638.566	16447.34	40.787	65.564	703.969	437.933	150.806	287.127
2033	39882	24645.067	8023.835	16621.23	41.676	67.442	694.543	429.194	139.735	289.459
2034	39404	24239.126	7429.106	16810.02	42.660	69.351	684.347	420.967	129.023	291.944
2035	37454	22944.147	6761.579	16182.57	43.206	70.530	796.588	487.980	143.806	344.174
2036	32988	19950.581	5538.100	14412.48	43.689	72.241	702.663	424.953	117.963	306.990
2037	32403	19415.334	5021.461	14393.87	44.421	74.137	690.731	413.871	107.041	306.830
2038	31820	18939.317	4613.833	14325.48	45.021	75.639	678.257	403.701	98.346	305.355
2039	31251	18379.752	4169.132	14210.62	45.472	77.317	665.457	391.373	88.776	302.597

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	198140.231	200693.6	6.190	50.320	890.124	109.498	54.399	55.100

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.616	250.628	0.267	1.979	1335.88	180.485	176.913	3.572
1993	93679	12730.613	12252.145	478.467	0.511	3.758	1316.45	178.900	172.176	6.724
1994	90832	12495.323	11749.940	745.382	0.821	5.965	1257.46	172.983	162.664	10.319
1995	89698	12365.590	11311.936	1053.654	1.175	8.521	1222.52	168.534	154.174	14.361
1996	88286	12290.551	10853.453	1437.099	1.628	11.693	1187.66	165.338	146.005	19.332
1997	84777	11719.531	9988.017	1731.514	2.042	14.775	1124.67	155.473	132.503	22.971
1998	82517	11416.794	9343.151	2073.643	2.513	18.163	1079.29	149.327	122.205	27.122
1999	93939	13028.038	10172.076	2855.962	3.040	21.922	1212.16	168.109	131.257	36.852
2000	90039	12426.299	9236.380	3189.919	3.543	25.671	1147.41	158.354	117.704	40.651
2001	86119	11939.281	8342.534	3596.747	4.176	30.125	1085.29	150.461	105.134	45.327
2002	83014	11528.794	7536.383	3992.411	4.809	34.630	1035.91	143.865	94.045	49.820
2003	79302	11048.407	6756.292	4292.115	5.412	38.848	980.336	136.581	83.522	53.059
2004	73861	10375.132	5880.239	4494.892	6.086	43.324	903.963	126.978	71.967	55.012
2005	71649	10051.029	5280.557	4770.472	6.658	47.463	867.197	121.652	63.913	57.739
2006	67551	9542.523	4595.589	4946.934	7.323	51.841	810.467	114.490	55.137	59.353
2007	63503	8936.533	3952.758	4983.775	7.848	55.769	754.310	106.151	46.952	59.199
2008	63171	8944.180	3624.201	5319.979	8.422	59.480	742.239	105.091	42.583	62.508
2009	59747	8390.033	3133.883	5256.150	8.797	62.648	694.108	97.471	36.408	61.063
2010	58008	8157.570	2792.487	5365.083	9.249	65.768	666.189	93.685	32.070	61.615
2011	57368	8035.356	2499.237	5536.119	9.650	68.897	652.644	91.414	28.432	62.981
2012	57411	7970.766	2241.771	5728.995	9.979	71.875	646.453	89.752	25.243	64.509
2013	57067	7743.216	1996.331	5746.885	10.070	74.218	635.688	86.254	22.238	64.016
2014	57538	7774.935	1815.929	5959.006	10.357	76.644	633.906	85.658	20.006	65.651
2015	58395	7722.535	1669.169	6053.366	10.366	78.386	719.266	95.120	20.560	74.561
2016	58658	7600.353	1488.425	6111.928	10.420	80.416	715.621	92.723	18.159	74.565
2017	59004	7470.266	1333.281	6136.986	10.401	82.152	713.034	90.274	16.112	74.162
2018	56077	6907.050	1121.985	5785.065	10.316	83.756	671.224	82.675	13.430	69.246
2019	55886	6732.046	1002.465	5729.581	10.252	85.109	662.462	79.801	11.883	67.918
2020	55313	6429.836	890.607	5539.228	10.014	86.149	743.037	86.373	11.964	74.410
2021	56292	6562.016	815.184	5746.832	10.209	87.577	750.730	87.513	10.872	76.642
2022	55827	6352.366	727.089	5625.276	10.076	88.554	738.885	84.075	9.623	74.452
2023	55338	6134.123	653.184	5480.940	9.904	89.352	726.728	80.557	8.578	71.979
2024	54770	5922.193	584.705	5337.487	9.745	90.127	713.771	77.179	7.620	69.559
2025	53295	5504.188	514.788	4989.400	9.362	90.647	801.612	82.789	7.743	75.046
2026	55278	5641.075	489.818	5151.258	9.319	91.317	828.283	84.526	7.339	77.187
2027	54199	5426.216	442.891	4983.325	9.195	91.838	808.875	80.982	6.610	74.372
2028	53090	5197.830	398.350	4799.480	9.040	92.336	789.020	77.249	5.920	71.329
2029	51974	4973.547	360.613	4612.934	8.875	92.749	769.023	73.590	5.336	68.254
2030	49479	4450.618	309.489	4141.129	8.370	93.046	866.605	77.952	5.421	72.531
2031	51987	4555.052	303.014	4252.038	8.179	93.348	909.317	79.674	5.300	74.374
2032	50677	4349.999	274.997	4075.002	8.041	93.678	884.689	75.939	4.801	71.139
2033	49380	4147.948	253.363	3894.585	7.887	93.892	859.955	72.237	4.412	67.824
2034	48076	3966.133	232.693	3733.440	7.766	94.133	834.943	68.881	4.041	64.840
2035	44518	3289.064	187.609	3101.455	6.967	94.296	946.825	69.952	3.990	65.962
2036	46347	3313.192	179.987	3133.205	6.760	94.568	987.211	70.572	3.834	66.738
2037	44841	3117.951	162.529	2955.422	6.591	94.787	955.859	66.464	3.465	63.000
2038	43378	2949.775	150.023	2799.752	6.454	94.914	924.621	62.876	3.198	59.678
2039	41973	2766.312	138.099	2628.213	6.262	95.008	893.753	58.905	2.941	55.964

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	51048.721	53851.03	3.982	51.336	371.243	28.800	14.015	14.785

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.216	76.908	0.236	2.390	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.043	145.638	0.444	4.514	460.480	45.344	43.297	2.047
1994	33005	3277.266	3044.980	232.286	0.704	7.088	456.915	45.370	42.154	3.216
1995	33730	3309.378	2976.448	332.930	0.987	10.060	459.716	45.104	40.567	4.538
1996	33750	3312.987	2862.771	450.216	1.334	13.589	454.019	44.568	38.511	6.056
1997	33699	3267.066	2703.163	563.903	1.673	17.260	447.056	43.341	35.861	7.481
1998	33274	3178.725	2506.252	672.473	2.021	21.155	435.211	41.577	32.781	8.796
1999	33891	3120.351	2337.238	783.114	2.311	25.097	437.317	40.264	30.159	10.105
2000	33827	3142.808	2226.557	916.251	2.709	29.154	431.074	40.050	28.374	11.676
2001	32506	2961.588	1977.397	984.191	3.028	33.232	409.647	37.323	24.920	12.403
2002	32078	2940.627	1833.978	1106.649	3.450	37.633	400.295	36.695	22.886	13.810
2003	30568	2819.545	1640.989	1178.556	3.856	41.800	377.883	34.855	20.286	14.569
2004	29388	2730.466	1475.360	1255.106	4.271	45.967	359.671	33.417	18.056	15.361
2005	27954	2670.510	1337.866	1332.644	4.767	49.902	338.339	32.322	16.193	16.130
2006	27201	2623.285	1215.917	1407.369	5.174	53.649	326.354	31.474	14.588	16.885
2007	26302	2536.599	1083.659	1452.940	5.524	57.279	312.424	30.131	12.872	17.259
2008	25998	2469.443	974.481	1494.962	5.750	60.538	305.468	29.015	11.450	17.565
2009	25040	2386.945	867.313	1519.632	6.069	63.664	290.901	27.730	10.076	17.654
2010	24840	2329.274	779.147	1550.127	6.240	66.550	285.273	26.750	8.948	17.802
2011	24792	2286.581	699.101	1587.480	6.403	69.426	282.045	26.013	7.953	18.060
2012	24500	2243.311	626.601	1616.710	6.599	72.068	275.872	25.260	7.056	18.204
2013	24451	2176.503	555.338	1621.166	6.630	74.485	272.368	24.245	6.186	18.059
2014	25296	2211.619	516.463	1695.156	6.701	76.648	278.691	24.366	5.690	18.676
2015	26316	2237.016	483.460	1753.556	6.663	78.388	324.141	27.554	5.955	21.599
2016	26735	2229.057	442.319	1786.739	6.683	80.157	326.164	27.194	5.396	21.798
2017	27616	2221.649	405.740	1815.909	6.576	81.737	333.726	26.848	4.903	21.944
2018	25256	1939.420	327.698	1611.722	6.382	83.103	302.304	23.214	3.922	19.292
2019	25429	1904.400	294.880	1609.519	6.329	84.516	301.434	22.574	3.495	19.079
2020	25379	1806.054	259.976	1546.078	6.092	85.605	340.922	24.261	3.492	20.769
2021	25448	1748.172	231.463	1516.710	5.960	86.760	339.386	23.314	3.087	20.227
2022	25539	1701.148	208.140	1493.008	5.846	87.765	338.015	22.515	2.755	19.760
2023	25620	1652.087	188.230	1463.857	5.714	88.607	336.461	21.696	2.472	19.224
2024	25659	1597.127	168.778	1428.348	5.567	89.432	334.391	20.814	2.200	18.615
2025	25260	1467.622	146.136	1321.486	5.232	90.043	379.931	22.075	2.198	19.877
2026	25480	1390.505	129.849	1260.656	4.948	90.662	381.790	20.835	1.946	18.890
2027	25264	1342.095	117.297	1224.799	4.848	91.260	377.042	20.030	1.751	18.279
2028	25022	1289.536	106.013	1183.522	4.730	91.779	371.870	19.165	1.576	17.589
2029	24767	1242.216	96.206	1146.010	4.627	92.255	366.459	18.380	1.423	16.957
2030	23959	1096.803	80.477	1016.326	4.242	92.663	419.641	19.210	1.410	17.801
2031	23963	1019.991	71.247	948.744	3.959	93.015	419.142	17.841	1.246	16.595
2032	23615	977.406	64.579	912.828	3.865	93.393	412.259	17.063	1.127	15.936
2033	23259	937.450	59.543	877.907	3.775	93.648	405.051	16.326	1.037	15.289
2034	22879	900.763	54.614	846.149	3.698	93.937	397.339	15.644	0.948	14.695
2035	21733	745.023	43.407	701.617	3.228	94.174	462.224	15.845	0.923	14.922
2036	20904	680.360	37.535	642.825	3.075	94.483	445.263	14.492	0.800	13.692
2037	20397	644.109	34.232	609.877	2.990	94.685	434.791	13.730	0.730	13.001
2038	19890	612.448	31.696	580.753	2.920	94.825	423.966	13.055	0.676	12.379
2039	19392	577.529	29.358	548.172	2.827	94.917	412.930	12.298	0.625	11.673

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	549037.383	313013.9	14.492	36.310	593.003	236.673	150.736	85.937

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.150	50.225	0.187	0.425	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.034	108.337	0.364	0.818	418.406	186.148	184.625	1.522
1994	29804	13355.662	13183.466	172.196	0.578	1.289	412.601	184.893	182.510	2.384
1995	29755	13397.439	13141.622	255.818	0.860	1.909	405.540	182.598	179.111	3.487
1996	30900	13960.356	13602.766	357.590	1.157	2.561	415.680	187.801	182.990	4.810
1997	31128	14109.552	13641.815	467.738	1.503	3.315	412.949	187.180	180.975	6.205
1998	32096	14599.657	13987.081	612.576	1.909	4.196	419.803	190.958	182.946	8.012
1999	34616	15728.102	14932.429	795.673	2.299	5.059	446.673	202.950	192.683	10.267
2000	34299	15579.803	14632.626	947.177	2.762	6.080	437.088	198.541	186.471	12.070
2001	34592	15696.614	14554.666	1141.948	3.301	7.275	435.935	197.812	183.421	14.391
2002	34291	15519.777	14193.211	1326.566	3.869	8.548	427.910	193.668	177.114	16.554
2003	35074	15888.389	14319.431	1568.958	4.473	9.875	433.587	196.413	177.018	19.396
2004	33512	15091.573	13387.124	1704.449	5.086	11.294	410.143	184.701	163.841	20.860
2005	35392	15803.656	13765.880	2037.775	5.758	12.894	428.364	191.278	166.614	24.664
2006	33981	15100.563	12929.391	2171.172	6.389	14.378	407.699	181.174	155.125	26.049
2007	34000	14974.384	12571.055	2403.328	7.069	16.050	403.863	177.871	149.323	28.548
2008	37425	16406.197	13521.602	2884.595	7.708	17.582	439.732	192.768	158.875	33.893
2009	36826	16083.194	12948.254	3134.940	8.513	19.492	427.825	186.846	150.426	36.420
2010	36788	15927.400	12565.220	3362.181	9.139	21.109	422.489	182.917	144.304	38.613
2011	37636	16221.836	12485.910	3735.926	9.926	23.030	428.164	184.547	142.045	42.502
2012	38265	16358.849	12280.033	4078.817	10.659	24.933	430.867	184.202	138.274	45.928
2013	40112	16994.822	12411.516	4583.306	11.426	26.969	446.821	189.311	138.256	51.055
2014	40084	16855.093	11963.128	4891.965	12.204	29.024	441.613	185.696	131.800	53.896
2015	42200	17572.483	12186.592	5385.891	12.763	30.650	519.788	216.445	150.105	66.339
2016	42606	17579.955	11797.408	5782.548	13.572	32.893	519.788	214.473	143.927	70.546
2017	44364	18080.688	11735.339	6345.350	14.303	35.095	536.117	218.496	141.816	76.680
2018	45359	18209.262	11458.666	6750.596	14.883	37.072	542.932	217.960	137.157	80.803
2019	46876	18648.302	11331.088	7317.214	15.610	39.238	555.657	221.054	134.317	86.737
2020	48331	19002.597	11197.175	7805.422	16.150	41.076	649.239	255.266	150.414	104.852
2021	48338	18885.717	10699.002	8186.715	16.936	43.349	644.660	251.867	142.686	109.181
2022	49708	19235.076	10495.776	8739.300	17.581	45.434	657.895	254.582	138.915	115.667
2023	51083	19521.158	10276.043	9245.115	18.098	47.359	670.849	256.363	134.951	121.412
2024	52397	19918.620	10059.246	9859.374	18.817	49.498	682.854	259.583	131.094	128.489
2025	53387	20150.545	9797.148	10353.40	19.393	51.380	803.004	303.086	147.360	155.726
2026	54232	20393.792	9487.110	10906.68	20.111	53.480	812.615	305.582	142.155	163.426
2027	55049	20615.351	9155.793	11459.56	20.817	55.587	821.568	307.668	136.643	171.025
2028	55809	20731.894	8780.600	11951.29	21.415	57.647	829.419	308.115	130.496	177.619
2029	56527	20781.967	8389.942	12392.02	21.922	59.629	836.392	307.495	124.140	183.355
2030	56756	20753.201	8012.345	12740.86	22.449	61.392	994.067	363.487	140.334	223.153
2031	58288	21048.417	7875.269	13173.15	22.600	62.585	1019.54	368.165	137.749	230.416
2032	58782	21169.329	7530.559	13638.77	23.202	64.427	1026.18	369.560	131.464	238.097
2033	59236	21109.293	7150.970	13958.32	23.564	66.124	1031.59	367.618	124.534	243.084
2034	59614	21109.429	6773.200	14336.23	24.049	67.914	1035.33	366.613	117.632	248.981
2035	58938	20794.840	6390.647	14404.19	24.440	69.268	1253.51	442.268	135.917	306.351
2036	56014	19354.577	5670.102	13684.47	24.430	70.704	1193.11	412.258	120.775	291.483
2037	55953	19064.169	5233.301	13830.87	24.719	72.549	1192.72	406.385	111.557	294.828
2038	55859	18854.812	4875.647	13979.17	25.026	74.141	1190.66	401.900	103.927	297.973
2039	55757	18437.457	4461.586	13975.87	25.066	75.802	1187.28	392.602	95.004	297.598

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9148904	2946250.006	1945090.034	1001160	10.943	33.981	2499.67	808.881	531.438	277.443

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198533	60494.150	60022.620	471.529	0.238	0.779	2829.84	862.271	855.548	6.723
1993	202515	62694.848	61777.392	917.456	0.453	1.463	2845.86	881.034	868.133	12.901
1994	200665	63202.598	61753.347	1449.251	0.722	2.293	2777.91	874.966	854.884	20.082
1995	201036	63766.862	61673.606	2093.256	1.041	3.283	2739.86	869.097	840.532	28.565
1996	201202	64591.163	61723.225	2867.938	1.425	4.440	2706.47	868.908	830.268	38.640
1997	198673	64686.912	61095.677	3591.235	1.808	5.552	2635.34	858.147	810.415	47.732
1998	197623	65295.961	60867.083	4428.878	2.241	6.783	2584.42	854.046	795.991	58.055
1999	211404	67327.521	61605.526	5721.995	2.707	8.499	2727.28	868.771	794.761	74.009
2000	208596	67596.897	60933.206	6663.690	3.195	9.858	2657.46	861.419	776.271	85.149
2001	203735	67008.811	59348.048	7660.763	3.760	11.432	2566.52	844.458	747.628	96.830
2002	200990	67067.744	58296.510	8771.233	4.364	13.078	2506.90	836.925	727.117	109.808
2003	196551	66756.217	56982.676	9773.541	4.973	14.641	2428.31	825.244	704.000	121.244
2004	188394	65058.725	54437.578	10621.15	5.638	16.325	2304.02	796.234	665.760	130.475
2005	186694	65214.724	53450.428	11764.30	6.301	18.039	2257.68	789.321	646.371	142.950
2006	180407	63771.146	51140.270	12630.88	7.001	19.807	2162.29	765.117	612.947	152.170
2007	176007	63110.718	49590.719	13520.00	7.682	21.423	2088.19	749.650	588.357	161.293
2008	177995	63718.624	48912.173	14806.45	8.318	23.237	2088.53	748.674	573.920	174.753
2009	173279	62794.698	47158.575	15636.12	9.024	24.900	2009.94	729.515	547.013	182.502
2010	171018	61917.074	45407.799	16509.28	9.654	26.664	1960.60	711.083	520.569	190.514
2011	170898	61680.114	43998.815	17681.30	10.346	28.666	1940.40	701.700	499.568	202.132
2012	172087	62023.127	43041.360	18981.77	11.030	30.604	1933.48	698.386	483.592	214.795
2013	173446	62037.765	41884.536	20153.23	11.619	32.485	1927.40	691.059	465.436	225.622
2014	175002	61921.017	40480.435	21440.58	12.252	34.626	1922.88	682.195	444.790	237.405
2015	178292	61856.204	39320.383	22535.82	12.640	36.433	2188.85	761.899	482.727	279.172
2016	177877	60464.119	37042.454	23421.66	13.167	38.736	2162.28	737.655	450.289	287.366
2017	180446	60243.839	35636.277	24607.56	13.637	40.847	2172.07	728.017	428.961	299.055
2018	178383	60713.327	35034.640	25678.69	14.395	42.295	2126.13	726.721	417.574	309.146
2019	180578	61148.172	34093.059	27055.11	14.983	44.245	2130.73	724.841	402.281	322.560
2020	181951	61149.317	33138.318	28011.00	15.395	45.808	2430.58	821.432	442.676	378.756
2021	179696	58727.786	30301.079	28426.71	15.819	48.404	2382.16	783.216	401.690	381.525
2022	181120	58848.802	29253.355	29595.45	16.340	50.291	2381.86	778.881	384.702	394.179
2023	182490	58816.149	28196.922	30619.23	16.779	52.059	2380.23	772.407	367.774	404.633
2024	183601	58955.232	27143.077	31812.15	17.327	53.960	2375.38	768.316	351.171	417.146
2025	182551	58297.744	25981.832	32315.91	17.702	55.433	2721.92	876.861	387.402	489.459
2026	182596	56469.971	23928.116	32541.86	17.822	57.627	2710.88	846.150	355.245	490.904
2027	182037	56209.427	22765.098	33444.33	18.372	59.500	2690.43	838.883	336.458	502.425
2028	181318	55733.105	21541.251	34191.85	18.857	61.349	2667.22	828.298	316.876	511.422
2029	180503	55145.838	20309.024	34836.81	19.300	63.172	2642.13	815.951	297.275	518.675
2030	176410	53615.097	19061.861	34553.24	19.587	64.447	3050.52	939.056	329.622	609.434
2031	178022	52046.561	17832.990	34213.57	19.219	65.736	3072.39	910.364	307.770	602.593
2032	176576	51582.636	16824.888	34757.75	19.684	67.383	3039.68	900.496	289.633	610.862
2033	175072	50839.758	15801.367	35038.39	20.014	68.919	3004.67	885.375	271.190	614.184
2034	173424	50215.451	14799.291	35416.16	20.422	70.528	2966.44	872.104	253.145	618.959
2035	166188	47773.075	13688.162	34084.91	20.510	71.348	3472.00	1016.05	285.972	730.073
2036	159827	43298.709	11700.229	31598.48	19.770	72.978	3341.81	922.274	244.638	677.636
2037	157261	42241.563	10714.405	31527.16	20.048	74.635	3288.61	900.450	224.057	676.394
2038	154705	41356.353	9925.788	31430.56	20.316	75.999	3232.95	881.531	207.425	674.106
2039	152218	40161.050	9039.717	31121.33	20.445	77.491	3175.80	855.178	188.599	666.578

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	All	NULL	Ecig							
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Ecig	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2344051	1580465.217	1143096.254	437369.0	18.659	27.673	640.443	433.910	312.317	121.593

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	All	NULL	Ecig							
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Ecig	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.538	93.869	0.207	0.286	647.451	467.274	465.935	1.339
1993	46292	33491.183	33305.769	185.414	0.401	0.554	650.518	470.643	468.033	2.610
1994	47019	34074.347	33773.995	300.353	0.639	0.881	650.904	471.719	467.551	4.168
1995	47843	34694.454	34241.780	452.674	0.946	1.305	652.042	472.861	466.671	6.190
1996	48250	35027.269	34401.157	626.112	1.298	1.787	649.027	471.202	462.746	8.456
1997	49044	35590.763	34758.017	832.745	1.698	2.340	650.551	472.153	461.054	11.099
1998	49699	36100.785	35023.881	1076.904	2.167	2.983	649.941	472.184	458.026	14.159
1999	48901	35451.030	34153.794	1297.236	2.653	3.659	630.861	457.448	440.612	16.836
2000	50356	36447.986	34824.733	1623.253	3.224	4.454	641.521	464.474	443.657	20.817
2001	50422	36411.326	34457.279	1954.048	3.875	5.367	635.180	458.863	434.070	24.792
2002	51488	37078.545	34713.477	2365.068	4.593	6.379	642.190	462.696	432.972	29.723
2003	51461	36999.876	34242.468	2757.408	5.358	7.452	635.782	457.395	423.053	34.341
2004	51464	36861.555	33668.487	3193.068	6.204	8.662	629.392	451.138	411.758	39.379
2005	51498	36689.529	33035.039	3654.489	7.096	9.961	622.766	444.069	399.490	44.579
2006	51446	36504.774	32365.437	4139.337	8.046	11.339	616.617	437.979	387.919	50.060
2007	51947	36663.202	31945.969	4717.233	9.081	12.866	616.307	435.498	379.015	56.483
2008	51098	35898.803	30747.370	5151.433	10.081	14.350	599.569	421.800	360.780	61.019
2009	51333	35934.525	30161.443	5773.082	11.246	16.066	595.435	417.468	349.856	67.612
2010	51010	35502.829	29219.400	6283.430	12.318	17.698	584.798	407.730	334.980	72.750
2011	50684	35136.342	28258.281	6878.061	13.570	19.575	575.475	399.726	320.848	78.878
2012	51443	35450.201	27832.198	7618.002	14.809	21.489	577.993	399.173	312.709	86.464
2013	51289	35123.224	26854.494	8268.730	16.122	23.542	569.940	391.249	298.417	92.832
2014	51495	35079.370	26114.245	8965.125	17.410	25.557	565.816	386.476	286.937	99.538
2015	50708	34324.171	24902.769	9421.402	18.580	27.448	622.533	422.780	305.725	117.054
2016	49135	33054.753	23232.104	9822.649	19.991	29.716	597.291	403.264	282.410	120.854
2017	48630	32471.234	22073.529	10397.71	21.381	32.021	585.368	392.399	265.704	126.695
2018	50811	33657.595	22033.345	11624.25	22.877	34.537	605.611	402.871	262.613	140.258
2019	51416	33863.424	21365.396	12498.03	24.307	36.907	606.687	401.412	252.101	149.311
2020	51860	33910.830	20684.823	13226.01	25.503	39.002	692.773	455.532	276.317	179.215
2021	48458	31531.880	18446.948	13084.93	27.003	41.497	642.385	420.521	244.545	175.976
2022	48790	31560.212	17708.650	13851.56	28.390	43.889	641.622	417.708	232.881	184.827
2023	49090	31508.781	16960.621	14548.16	29.636	46.172	640.279	413.791	221.218	192.573
2024	49311	31517.293	16206.406	15310.89	31.050	48.579	637.969	410.740	209.675	201.065
2025	49040	31175.389	15395.103	15780.29	32.178	50.618	731.209	468.912	229.549	239.363
2026	45891	29044.598	13687.720	15356.88	33.464	52.873	681.307	435.206	203.213	231.993
2027	45707	28825.765	12912.016	15913.75	34.817	55.207	675.524	430.203	190.834	239.369
2028	45474	28513.846	12116.865	16396.98	36.058	57.505	668.933	423.769	178.241	245.528
2029	45205	28148.109	11321.024	16827.08	37.224	59.781	661.690	416.486	165.713	250.773
2030	44088	27314.475	10516.486	16797.99	38.101	61.498	762.389	478.407	181.854	296.553
2031	41448	25423.102	9432.872	15990.23	38.579	62.896	715.329	444.684	162.797	281.887
2032	41056	25085.902	8802.447	16283.45	39.662	64.911	706.760	437.933	151.530	286.403
2033	40643	24645.067	8184.668	16460.40	40.500	66.790	697.534	429.194	140.469	288.725
2034	40194	24239.126	7586.114	16653.01	41.431	68.703	687.534	420.967	129.762	291.205
2035	38262	22944.147	6914.184	16029.96	41.895	69.865	799.372	487.980	144.451	343.529
2036	33733	19950.581	5669.636	14280.95	42.335	71.582	705.320	424.953	118.546	306.407
2037	33166	19415.334	5146.118	14269.22	43.023	73.495	693.561	413.871	107.614	306.257
2038	32600	18939.317	4733.542	14205.78	43.576	75.007	681.260	403.701	98.919	304.781
2039	32048	18379.752	4281.735	14098.02	43.990	76.704	668.628	391.373	89.332	302.041

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3261782	398833.796	198404.518	200429.3	6.145	50.254	891.186	109.498	54.208	55.290

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.662	250.582	0.267	1.979	1335.88	180.485	176.913	3.572
1993	93680	12730.613	12252.319	478.294	0.511	3.757	1316.45	178.900	172.177	6.723
1994	90835	12495.323	11750.350	744.973	0.820	5.962	1257.48	172.983	162.666	10.317
1995	89704	12365.590	11312.697	1052.893	1.174	8.515	1222.55	168.534	154.177	14.357
1996	88296	12290.551	10854.691	1435.861	1.626	11.683	1187.71	165.338	146.012	19.326
1997	84792	11719.531	9989.816	1729.715	2.040	14.759	1124.73	155.473	132.512	22.961
1998	82538	11416.794	9345.624	2071.170	2.509	18.141	1079.39	149.327	122.218	27.110
1999	93972	13028.038	10175.844	2852.194	3.035	21.893	1212.32	168.109	131.277	36.833
2000	90082	12426.299	9241.034	3185.265	3.536	25.633	1147.62	158.354	117.728	40.626
2001	86173	11939.281	8348.036	3591.245	4.167	30.079	1085.55	150.461	105.163	45.298
2002	83081	11528.794	7542.678	3986.115	4.798	34.575	1036.24	143.865	94.078	49.788
2003	79382	11048.407	6763.333	4285.074	5.398	38.785	980.732	136.581	83.558	53.023
2004	73952	10375.132	5887.726	4487.405	6.068	43.252	904.422	126.978	72.006	54.973
2005	71755	10051.029	5288.595	4762.434	6.637	47.383	867.732	121.652	63.954	57.697
2006	67670	9542.523	4603.840	4938.683	7.298	51.754	811.065	114.490	55.180	59.310
2007	63633	8936.533	3961.011	4975.522	7.819	55.676	754.963	106.151	46.994	59.157
2008	63321	8944.180	3632.898	5311.282	8.388	59.383	742.984	105.091	42.627	62.464
2009	59909	8390.033	3142.491	5247.543	8.759	62.545	694.912	97.471	36.451	61.020
2010	58186	8157.570	2801.148	5356.422	9.206	65.662	667.064	93.685	32.113	61.572
2011	57566	8035.356	2507.906	5527.450	9.602	68.789	653.608	91.414	28.475	62.939
2012	57631	7970.766	2250.369	5720.397	9.926	71.767	647.515	89.752	25.284	64.468
2013	57311	7743.216	2004.813	5738.403	10.013	74.109	636.861	86.254	22.278	63.976
2014	57809	7774.935	1824.415	5950.521	10.293	76.535	635.196	85.658	20.046	65.612
2015	58699	7722.535	1677.768	6044.767	10.298	78.274	720.636	95.120	20.598	74.523
2016	58993	7600.353	1496.790	6103.564	10.346	80.306	717.120	92.723	18.195	74.528
2017	59372	7470.266	1341.428	6128.839	10.323	82.043	714.675	90.274	16.147	74.127
2018	56458	6907.050	1129.403	5777.647	10.234	83.649	672.918	82.675	13.461	69.214
2019	56299	6732.046	1009.638	5722.409	10.164	85.003	664.304	79.801	11.913	67.887
2020	55761	6429.836	897.542	5532.294	9.921	86.041	744.876	86.373	11.990	74.384
2021	56780	6562.016	821.927	5740.089	10.109	87.474	752.713	87.513	10.896	76.617
2022	56348	6352.366	733.520	5618.845	9.972	88.453	741.009	84.075	9.646	74.429
2023	55892	6134.123	659.343	5474.780	9.795	89.251	728.999	80.557	8.600	71.957
2024	55356	5922.193	590.560	5331.633	9.631	90.028	716.188	77.179	7.641	69.539
2025	53913	5504.188	520.379	4983.808	9.244	90.546	803.864	82.789	7.759	75.030
2026	55958	5641.075	495.449	5145.626	9.195	91.217	830.775	84.526	7.356	77.171
2027	54908	5426.216	448.289	4977.927	9.066	91.738	811.516	80.982	6.626	74.357
2028	53828	5197.830	403.455	4794.375	8.907	92.238	791.813	77.249	5.935	71.315
2029	52739	4973.547	365.465	4608.082	8.738	92.652	771.969	73.590	5.350	68.240
2030	50264	4450.618	314.065	4136.553	8.230	92.943	869.185	77.952	5.431	72.521
2031	52859	4555.052	307.715	4247.337	8.035	93.245	912.274	79.674	5.311	74.363
2032	51574	4349.999	279.458	4070.541	7.893	93.576	887.823	75.939	4.811	71.129
2033	50300	4147.948	257.658	3890.290	7.734	93.788	863.266	72.237	4.422	67.814
2034	49016	3966.133	236.785	3729.348	7.608	94.030	838.424	68.881	4.050	64.831
2035	45461	3289.064	191.374	3097.691	6.814	94.182	949.777	69.952	3.998	65.954
2036	47373	3313.192	183.712	3129.480	6.606	94.455	990.517	70.572	3.841	66.731
2037	45875	3117.951	165.996	2951.955	6.435	94.676	959.328	66.464	3.471	62.993
2038	44419	2949.775	153.322	2796.453	6.296	94.802	928.246	62.876	3.204	59.672
2039	43019	2766.312	141.213	2625.099	6.102	94.895	897.523	58.905	2.946	55.959

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1361551	104899.750	51109.369	53790.38	3.951	51.278	372.004	28.800	13.964	14.836

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.227	76.898	0.236	2.390	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.083	145.597	0.444	4.512	460.482	45.344	43.297	2.046
1994	33006	3277.266	3045.077	232.189	0.703	7.085	456.920	45.370	42.155	3.215
1995	33732	3309.378	2976.630	332.748	0.986	10.055	459.725	45.104	40.568	4.537
1996	33754	3312.987	2863.067	449.919	1.333	13.580	454.035	44.568	38.512	6.055
1997	33705	3267.066	2703.600	563.465	1.672	17.247	447.080	43.341	35.862	7.479
1998	33282	3178.725	2506.847	671.878	2.019	21.137	435.246	41.577	32.783	8.793
1999	33902	3120.351	2338.008	782.344	2.308	25.072	437.368	40.264	30.162	10.102
2000	33842	3142.808	2227.547	915.261	2.704	29.122	431.143	40.050	28.378	11.672
2001	32526	2961.588	1978.541	983.047	3.022	33.193	409.736	37.323	24.924	12.398
2002	32103	2940.627	1835.305	1105.322	3.443	37.588	400.409	36.695	22.891	13.804
2003	30598	2819.545	1642.452	1177.093	3.847	41.748	378.022	34.855	20.292	14.563
2004	29423	2730.466	1476.946	1253.520	4.260	45.909	359.838	33.417	18.063	15.355
2005	27994	2670.510	1339.552	1330.958	4.754	49.839	338.530	32.322	16.199	16.123
2006	27248	2623.285	1217.724	1405.562	5.158	53.580	326.578	31.474	14.595	16.879
2007	26354	2536.599	1085.515	1451.084	5.506	57.206	312.676	30.131	12.879	17.252
2008	26058	2469.443	976.396	1493.048	5.730	60.461	305.758	29.015	11.457	17.558
2009	25107	2386.945	869.251	1517.694	6.045	63.583	291.221	27.730	10.083	17.647
2010	24915	2329.274	781.114	1548.161	6.214	66.465	285.634	26.750	8.955	17.795
2011	24876	2286.581	701.073	1585.507	6.374	69.340	282.449	26.013	7.960	18.053
2012	24593	2243.311	628.549	1614.762	6.566	71.981	276.317	25.260	7.062	18.198
2013	24555	2176.503	557.248	1619.255	6.594	74.397	272.862	24.245	6.192	18.052
2014	25415	2211.619	518.425	1693.194	6.662	76.559	279.256	24.366	5.696	18.669
2015	26453	2237.016	485.495	1751.521	6.621	78.297	324.763	27.554	5.960	21.594
2016	26888	2229.057	444.359	1784.698	6.638	80.065	326.852	27.194	5.402	21.793
2017	27790	2221.649	407.802	1813.847	6.527	81.644	334.510	26.848	4.909	21.939
2018	25430	1939.420	329.525	1609.895	6.331	83.009	303.095	23.214	3.928	19.287
2019	25620	1904.400	296.662	1607.738	6.275	84.422	302.305	22.574	3.500	19.074
2020	25588	1806.054	261.705	1544.349	6.035	85.510	341.816	24.261	3.496	20.765
2021	25676	1748.172	233.135	1515.037	5.901	86.664	340.373	23.314	3.091	20.224
2022	25785	1701.148	209.755	1491.393	5.784	87.670	339.085	22.515	2.758	19.757
2023	25885	1652.087	189.791	1462.295	5.649	88.512	337.618	21.696	2.475	19.221
2024	25942	1597.127	170.267	1426.859	5.500	89.339	335.637	20.814	2.203	18.611
2025	25562	1467.622	147.558	1320.064	5.164	89.946	381.139	22.075	2.200	19.874
2026	25807	1390.505	131.208	1259.298	4.880	90.564	383.135	20.835	1.948	18.887
2027	25609	1342.095	118.598	1223.498	4.778	91.163	378.482	20.030	1.753	18.277
2028	25384	1289.536	107.252	1182.284	4.658	91.683	373.410	19.165	1.578	17.587
2029	25148	1242.216	97.388	1144.828	4.552	92.160	368.100	18.380	1.426	16.955
2030	24356	1096.803	81.582	1015.221	4.168	92.562	421.164	19.210	1.411	17.800
2031	24385	1019.991	72.279	947.712	3.887	92.914	420.840	17.841	1.247	16.594
2032	24054	977.406	65.555	911.851	3.791	93.293	414.082	17.063	1.129	15.934
2033	23715	937.450	60.485	876.965	3.698	93.548	407.002	16.326	1.038	15.288
2034	23351	900.763	55.510	845.253	3.620	93.837	399.415	15.644	0.950	14.694
2035	22215	745.023	44.224	700.800	3.155	94.064	464.113	15.845	0.924	14.921
2036	21391	680.360	38.261	642.099	3.002	94.376	447.266	14.492	0.800	13.692
2037	20894	644.109	34.912	609.197	2.916	94.580	436.920	13.730	0.730	13.000
2038	20396	612.448	32.342	580.106	2.844	94.719	426.219	13.055	0.676	12.379
2039	19906	577.529	29.970	547.559	2.751	94.811	415.301	12.298	0.625	11.672

Results for PHIM for Run 6 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2181520	862051.244	552479.893	309571.4	14.191	35.911	596.036	236.673	150.949	85.724

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.194	50.181	0.187	0.424	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.221	108.151	0.363	0.816	418.408	186.148	184.626	1.522
1994	29805	13355.662	13183.926	171.736	0.576	1.286	412.606	184.893	182.512	2.382
1995	29757	13397.439	13142.498	254.941	0.857	1.903	405.549	182.598	179.115	3.482
1996	30903	13960.356	13604.310	356.046	1.152	2.550	415.697	187.801	182.998	4.803
1997	31133	14109.552	13644.244	465.308	1.495	3.298	412.976	187.180	180.987	6.193
1998	32104	14599.657	13990.732	608.926	1.897	4.171	419.844	190.958	182.964	7.994
1999	34628	15728.102	14937.881	790.222	2.282	5.024	446.736	202.950	192.711	10.239
2000	34316	15579.803	14639.893	939.910	2.739	6.033	437.174	198.541	186.508	12.033
2001	34614	15696.614	14564.192	1132.423	3.272	7.214	436.050	197.812	183.470	14.342
2002	34319	15519.777	14205.049	1314.728	3.831	8.471	428.057	193.668	177.176	16.492
2003	35110	15888.389	14334.424	1553.965	4.426	9.781	433.777	196.413	177.097	19.317
2004	33555	15091.573	13404.419	1687.154	5.028	11.179	410.370	184.701	163.933	20.768
2005	35446	15803.656	13787.241	2016.415	5.689	12.759	428.651	191.278	166.728	24.550
2006	34043	15100.563	12953.270	2147.294	6.308	14.220	408.028	181.174	155.253	25.922
2007	34073	14974.384	12598.223	2376.160	6.974	15.868	404.248	177.871	149.469	28.402
2008	37518	16406.197	13555.508	2850.689	7.598	17.376	440.223	192.768	159.056	33.711
2009	36930	16083.194	12985.390	3097.804	8.388	19.261	428.370	186.846	150.623	36.223
2010	36906	15927.400	12606.137	3321.263	8.999	20.853	423.104	182.917	144.521	38.397
2011	37772	16221.836	12531.555	3690.281	9.770	22.749	428.863	184.547	142.285	42.262
2012	38419	16358.849	12330.244	4028.606	10.486	24.626	431.659	184.202	138.537	45.666
2013	40292	16994.822	12467.981	4526.841	11.235	26.637	447.736	189.311	138.549	50.762
2014	40282	16855.093	12023.351	4831.743	11.995	28.666	442.615	185.696	132.110	53.586
2015	42431	17572.483	12254.350	5318.132	12.534	30.264	520.916	216.445	150.444	66.001
2016	42861	17579.955	11869.202	5710.754	13.324	32.484	521.018	214.473	144.282	70.191
2017	44654	18080.688	11813.518	6267.171	14.035	34.662	537.513	218.496	142.202	76.294
2018	45685	18209.262	11542.368	6666.894	14.593	36.613	544.511	217.960	137.572	80.387
2019	47242	18648.302	11421.363	7226.938	15.298	38.754	557.433	221.054	134.766	86.288
2020	48742	19002.597	11294.248	7708.349	15.815	40.565	651.117	255.266	150.873	104.393
2021	48782	18885.717	10799.069	8086.648	16.577	42.819	646.688	251.867	143.159	108.708
2022	50198	19235.076	10601.430	8633.647	17.199	44.885	660.142	254.582	139.416	115.166
2023	51624	19521.158	10387.167	9133.991	17.693	46.790	673.333	256.363	135.480	120.882
2024	52991	19918.620	10175.844	9742.776	18.386	48.913	685.589	259.583	131.653	127.931
2025	54036	20150.545	9918.792	10231.75	18.935	50.777	805.707	303.086	147.894	155.192
2026	54940	20393.792	9613.739	10780.05	19.621	52.859	815.661	305.582	142.729	162.853
2027	55814	20615.351	9286.196	11329.16	20.298	54.955	824.906	307.668	137.246	170.423
2028	56632	20731.894	8913.678	11818.22	20.868	57.005	833.069	308.115	131.122	176.993
2029	57412	20781.967	8525.147	12256.82	21.349	58.978	840.370	307.495	124.788	182.707
2030	57701	20753.201	8149.728	12603.47	21.843	60.730	997.786	363.487	140.927	222.560
2031	59330	21048.417	8020.124	13028.29	21.959	61.897	1023.95	368.165	138.415	229.750
2032	59892	21169.329	7677.429	13491.90	22.527	63.733	1031.02	369.560	132.164	237.397
2033	60415	21109.293	7298.557	13810.74	22.860	65.425	1036.87	367.618	125.261	242.357
2034	60863	21109.429	6920.882	14188.55	23.312	67.214	1041.07	366.613	118.383	248.230
2035	60250	20794.840	6538.381	14256.46	23.662	68.558	1258.73	442.268	136.599	305.669
2036	57330	19354.577	5808.621	13545.96	23.628	69.988	1198.71	412.258	121.452	290.806
2037	57327	19064.169	5367.379	13696.79	23.893	71.846	1198.80	406.385	112.241	294.144
2038	57290	18854.812	5006.582	13848.23	24.172	73.447	1197.23	401.900	104.625	297.274
2039	57246	18437.457	4586.799	13850.66	24.195	75.122	1194.34	392.602	95.696	296.905

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Control File Details for Run: 7

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S3D
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_3
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 7, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 7, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	S3D
Note:	Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.001921	0.000000	0.008742	0.013112	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.002360	0.000000	0.003614	0.005421	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000188	0.000000	0.000943	0.001415	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000093	0.000000	0.001143	0.001714	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000047	0.000000	0.000871	0.001306	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.001300	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.002098	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.003049	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.004813	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.005362	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.005189	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.006205	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.008388	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.008388	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.002944	0.000000	0.008742	0.013112	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.004193	0.000000	0.004426	0.006640	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000412	0.000000	0.001527	0.002291	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000578	0.000000	0.001515	0.002273	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000218	0.000000	0.001227	0.001840	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.002444	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.002778	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.004000	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.004811	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.005966	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.008657	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.015648	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.010619	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.010619	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.003449	0.000000	0.008742	0.013112	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.004264	0.000000	0.003289	0.004934	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.001965	0.000000	0.003844	0.005765	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000671	0.000000	0.002006	0.003009	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000332	0.000000	0.001329	0.001993	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001917	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.002537	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.004356	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.004979	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.005964	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.007852	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.008852	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.008423	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.008423	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.003294	0.000000	0.008742	0.013112	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.004442	0.000000	0.003732	0.005598	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000059	0.000000	0.002260	0.003390	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.001351	0.000000	0.002822	0.004233	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000661	0.000000	0.002610	0.003914	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.003087	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.003465	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.003383	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.003995	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.002620	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.008714	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.008844	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.010984	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.010984	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.002198	0.000000	0.008742	0.013112	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.003788	0.000000	0.005036	0.007555	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000304	0.000000	0.002857	0.004286	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000239	0.000000	0.002314	0.003472	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000119	0.000000	0.004343	0.006514	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.003138	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.003849	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.003467	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.004813	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.006086	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.010749	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.006422	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.006870	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.006870	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001259	0.000000	0.008742	0.013112	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002835	0.000000	0.010602	0.015902	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000430	0.000000	0.004314	0.006471	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000213	0.000000	0.003645	0.005468	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000106	0.000000	0.004512	0.006768	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.003220	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.003953	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001576	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.003778	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.005540	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.008832	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.007235	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.007099	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.007099	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 7, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 7, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			M (Males)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38368	41.57					
5	All Ages	CC	11508	12.47	0	0.00			
5	All Ages	Ecig	15016	16.27					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	27398	29.69			14.94	2025	7.39
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2448	69.07					
5	18-19	CC	320	9.03	0	0.00			
5	18-19	Ecig	632	17.83					
5	18-19	Dual	0	0.00					
5	18-19	Former	144	4.06			1.05	100	69.44
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5787	64.02					
5	20-24	CC	946	10.46	0	0.00			
5	20-24	Ecig	1746	19.31					
5	20-24	Dual	0	0.00					
5	20-24	Former	561	6.21			2.60	186	33.16
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5471	55.74					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	1906	19.42					
5	25-29	Dual	0	0.00					
5	25-29	Former	1184	12.06			5.30	144	12.16
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

5	30-34	Never Any	5065	47.50					
5	30-34	CC	1480	13.88	0	0.00			
5	30-34	Ecig	2279	21.37					
5	30-34	Dual	0	0.00					
5	30-34	Former	1840	17.25			6.81	138	7.50
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4724	43.28					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2234	20.47					
5	35-39	Dual	0	0.00					
5	35-39	Former	2462	22.55			8.09	137	5.56
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1859	18.80					
5	40-44	Dual	0	0.00					
5	40-44	Former	2809	28.41			11.92	155	5.52
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1505	17.39					
5	45-49	Dual	0	0.00					
5	45-49	Former	3002	34.69			13.95	185	6.16
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	979	15.03					
5	50-54	Dual	0	0.00					
5	50-54	Former	2677	41.09			15.78	197	7.36
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	708	12.93					
5	55-59	Dual	0	0.00					
5	55-59	Former	2418	44.15			16.85	158	6.53
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	537	10.78					
5	60-64	Dual	0	0.00					
5	60-64	Former	2512	50.41			17.05	163	6.49
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	329	6.71					
5	65-69	Dual	0	0.00					
5	65-69	Former	2930	59.73			20.24	214	7.30
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	174	3.97					
5	70-74	Dual	0	0.00					
5	70-74	Former	2752	62.73			21.83	147	5.34
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	128	3.66					
5	75-79	Dual	0	0.00					
5	75-79	Former	2107	60.22			22.95	101	4.79
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	39177	41.64					
10	All Ages	CC	4843	5.15	0	0.00			
10	All Ages	Ecig	19082	20.28					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	30990	32.94			16.13	2144	6.92
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4927	55.70					
10	20-24	CC	462	5.22	0	0.00			
10	20-24	Ecig	2285	25.83					
10	20-24	Dual	0	0.00					
10	20-24	Former	1171	13.24			3.30	347	29.63
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5341	59.08					
10	25-29	CC	404	4.47	0	0.00			
10	25-29	Ecig	2149	23.77					
10	25-29	Dual	0	0.00					
10	25-29	Former	1146	12.68			4.68	242	21.12
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5276	53.75					
10	30-34	CC	481	4.90	0	0.00			
10	30-34	Ecig	2475	25.21					
10	30-34	Dual	0	0.00					
10	30-34	Former	1584	16.14			8.18	155	9.79
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4997	46.86					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	2858	26.80					
10	35-39	Dual	0	0.00					
10	35-39	Former	2200	20.63			10.20	141	6.41
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4724	43.28					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	2728	24.99					
10	40-44	Dual	0	0.00					
10	40-44	Former	2897	26.54			11.44	156	5.38
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2153	21.77					
10	45-49	Dual	0	0.00					
10	45-49	Former	3311	33.48			14.64	219	6.61
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	1678	19.39					
10	50-54	Dual	0	0.00					
10	50-54	Former	3592	41.50			16.17	220	6.12
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1062	16.30					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		3171	48.67			17.87	180	5.68
10	60-64	Never Any		1611	29.41					
10	60-64	CC		306	5.59	0	0.00			
10	60-64	Ecig		722	13.18					
10	60-64	Dual		0	0.00					
10	60-64	Former		2838	51.82			18.90	172	6.06
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		244	4.90	0	0.00			
10	65-69	Ecig		518	10.40					
10	65-69	Dual		0	0.00					
10	65-69	Former		2884	57.88			19.48	136	4.72
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		236	4.81	0	0.00			
10	70-74	Ecig		253	5.16					
10	70-74	Dual		0	0.00					
10	70-74	Former		3247	66.20			23.00	103	3.17
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		214	4.88	0	0.00			
10	75-79	Ecig		201	4.58					
10	75-79	Dual		0	0.00					
10	75-79	Former		2949	67.22			25.19	73	2.48
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		37449	41.75					
15	All Ages	CC		1911	2.13	0	0.00			
15	All Ages	Ecig		17361	19.35					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		32984	36.77			17.45	1964	5.95
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4634	52.39					
15	25-29	CC		179	2.02	0	0.00			
15	25-29	Ecig		2275	25.72					
15	25-29	Dual		0	0.00					
15	25-29	Former		1757	19.86			6.25	218	12.41
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5042	55.77					
15	30-34	CC		153	1.69	0	0.00			
15	30-34	Ecig		2167	23.97					
15	30-34	Dual		0	0.00					
15	30-34	Former		1678	18.56			7.22	201	11.98
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5163	52.60					
15	35-39	CC		188	1.92	0	0.00			

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15	35-39	Ecig	2396	24.41					
15	35-39	Dual	0	0.00					
15	35-39	Former	2069	21.08			10.52	210	10.15
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4997	46.86					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	2678	25.11					
15	40-44	Dual	0	0.00					
15	40-44	Former	2758	25.86			12.49	254	9.21
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4724	43.28					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	2510	22.99					
15	45-49	Dual	0	0.00					
15	45-49	Former	3466	31.75			14.06	228	6.58
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	1890	19.11					
15	50-54	Dual	0	0.00					
15	50-54	Former	3845	38.88			17.21	200	5.20
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	1523	17.60					
15	55-59	Dual	0	0.00					
15	55-59	Former	4005	46.27			19.22	136	3.40
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	883	13.55					
15	60-64	Dual	0	0.00					
15	60-64	Former	3570	54.80			20.51	193	5.41
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	533	9.73					
15	65-69	Dual	0	0.00					
15	65-69	Former	3209	58.59			21.39	134	4.18
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	329	6.60					
15	70-74	Dual	0	0.00					
15	70-74	Former	3188	63.98			22.34	123	3.86
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	177	3.61					
15	75-79	Dual	0	0.00					
15	75-79	Former	3439	70.11			26.56	67	1.95
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	36103	42.57					
20	All Ages	CC	738	0.87	0	0.00			
20	All Ages	Ecig	13681	16.13					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	34278	40.42			18.72	1805	5.27
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4508	50.97					
20	30-34	CC	71	0.80	0	0.00			
20	30-34	Ecig	1858	21.01					
20	30-34	Dual	0	0.00					
20	30-34	Former	2408	27.22			8.72	282	11.71
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4991	55.21					
20	35-39	CC	59	0.65	0	0.00			
20	35-39	Ecig	1737	19.21					
20	35-39	Dual	0	0.00					
20	35-39	Former	2253	24.92			9.67	173	7.68
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5163	52.60					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2053	20.91					
20	40-44	Dual	0	0.00					
20	40-44	Former	2532	25.79			13.05	181	7.15
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4997	46.86					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	2245	21.05					
20	45-49	Dual	0	0.00					
20	45-49	Former	3333	31.25			14.84	208	6.24
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4724	43.28					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2085	19.10					
20	50-54	Dual	0	0.00					
20	50-54	Former	4020	36.83			16.71	225	5.60
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	1444	14.60					
20	55-59	Dual	0	0.00					
20	55-59	Former	4419	44.69			19.58	232	5.25
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1087	12.56					
20	60-64	Dual	0	0.00					
20	60-64	Former	4569	52.79			21.44	271	5.93
Year of Follow-up: 2010, Age Group: 65-69									

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	563	8.64					
20	65-69	Dual	0	0.00					
20	65-69	Former	3973	60.98			23.16	124	3.12
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	382	6.97					
20	70-74	Dual	0	0.00					
20	70-74	Former	3415	62.35			24.93	66	1.93
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	227	4.56					
20	75-79	Dual	0	0.00					
20	75-79	Former	3356	67.35			26.10	43	1.28
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	34747	43.53					
25	All Ages	CC	289	0.36	0	0.00			
25	All Ages	Ecig	10458	13.10					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	34323	43.00			20.86	1207	3.52
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4489	50.75					
25	35-39	CC	28	0.32	0	0.00			
25	35-39	Ecig	1420	16.05					
25	35-39	Dual	0	0.00					
25	35-39	Former	2908	32.88			11.74	167	5.74
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4991	55.21					
25	40-44	CC	20	0.22	0	0.00			
25	40-44	Ecig	1435	15.87					
25	40-44	Dual	0	0.00					

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Year of Follow-up: 2015, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Former		2594	28.69			13.01	126	4.86
25	45-49	Never Any		5163	52.60					
25	45-49	CC		29	0.30	0	0.00			
25	45-49	Ecig		1774	18.07					
25	45-49	Dual		0	0.00					
25	45-49	Former		2850	29.03			16.31	94	3.30
Year of Follow-up: 2015, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any		4997	46.86					
25	50-54	CC		37	0.35	0	0.00			
25	50-54	Ecig		1943	18.22					
25	50-54	Dual		0	0.00					
25	50-54	Former		3687	34.57			18.12	160	4.34
Year of Follow-up: 2015, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any		4724	43.28					
25	55-59	CC		33	0.30	0	0.00			
25	55-59	Ecig		1611	14.76					
25	55-59	Dual		0	0.00					
25	55-59	Former		4548	41.66			19.43	196	4.31
Year of Follow-up: 2015, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any		3941	39.85					
25	60-64	CC		28	0.28	0	0.00			
25	60-64	Ecig		986	9.97					
25	60-64	Dual		0	0.00					
25	60-64	Former		4934	49.89			22.22	219	4.44
Year of Follow-up: 2015, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any		2912	33.65					
25	65-69	CC		43	0.50	0	0.00			
25	65-69	Ecig		654	7.56					
25	65-69	Dual		0	0.00					
25	65-69	Former		5046	58.30			24.17	126	2.50
Year of Follow-up: 2015, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any		1919	29.46					
25	70-74	CC		35	0.54	0	0.00			
25	70-74	Ecig		364	5.59					
25	70-74	Dual		0	0.00					
25	70-74	Former		4197	64.42			26.78	70	1.67
Year of Follow-up: 2015, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any		1611	29.41					
25	75-79	CC		36	0.66	0	0.00			
25	75-79	Ecig		271	4.95					
25	75-79	Dual		0	0.00					
25	75-79	Former		3559	64.98			28.81	49	1.38
Year of Follow-up: 2020, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any		33136	44.57					
30	All Ages	CC		100	0.13	0	0.00			
30	All Ages	Ecig		7768	10.45					
30	All Ages	Dual		0	0.00					
30	All Ages	Former		33336	44.84			23.18	954	2.86
Year of Follow-up: 2020, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any		0	.					
30	18-19	CC		0	.	0	.			
30	18-19	Ecig		0	.					
30	18-19	Dual		0	.					
30	18-19	Former		0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any		0	.					
30	20-24	CC		0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4489	50.75					
30	40-44	CC	12	0.14	0	0.00			
30	40-44	Ecig	1156	13.07					
30	40-44	Dual	0	0.00					
30	40-44	Former	3188	36.04			15.44	113	3.54
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4991	55.21					
30	45-49	CC	5	0.06	0	0.00			
30	45-49	Ecig	1208	13.36					
30	45-49	Dual	0	0.00					
30	45-49	Former	2836	31.37			16.69	60	2.12
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5163	52.60					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	1552	15.81					
30	50-54	Dual	0	0.00					
30	50-54	Former	3092	31.50			19.77	129	4.17
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4997	46.86					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	1495	14.02					
30	55-59	Dual	0	0.00					
30	55-59	Former	4154	38.95			20.75	186	4.48
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4724	43.28					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	1088	9.97					
30	60-64	Dual	0	0.00					
30	60-64	Former	5094	46.67			22.03	217	4.26
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	602	6.09					
30	65-69	Dual	0	0.00					
30	65-69	Former	5333	53.93			25.35	133	2.49
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	430	4.97					
30	70-74	Dual	0	0.00					
30	70-74	Former	5295	61.18			27.91	75	1.42
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	237	3.64					
30	75-79	Dual	0	0.00					
30	75-79	Former	4344	66.68			30.78	41	0.94
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	31217	46.03					
35	All Ages	CC	38	0.06	0	0.00			
35	All Ages	Ecig	5571	8.21					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	30999	45.70			25.43	747	2.41
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4489	50.75					
35	45-49	CC	7	0.08	0	0.00			
35	45-49	Ecig	965	10.91					
35	45-49	Dual	0	0.00					
35	45-49	Former	3384	38.26			19.40	56	1.65
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4991	55.21					
35	50-54	CC	3	0.03	0	0.00			
35	50-54	Ecig	1069	11.83					
35	50-54	Dual	0	0.00					
35	50-54	Former	2977	32.93			20.74	74	2.49
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5163	52.60					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1175	11.97					
35	55-59	Dual	0	0.00					
35	55-59	Former	3478	35.43			22.23	164	4.72
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4997	46.86					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	1003	9.41					
35	60-64	Dual	0	0.00					
35	60-64	Former	4655	43.65			23.20	190	4.08
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4724	43.28					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	666	6.10					
35	65-69	Dual	0	0.00					
35	65-69	Former	5521	50.58			25.11	139	2.52
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	395	3.99					
35	70-74	Dual	0	0.00					
35	70-74	Former	5548	56.10			29.26	75	1.35
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	298	3.44					
35	75-79	Dual	0	0.00					
35	75-79	Former	5436	62.81			32.11	49	0.90
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	28305	47.84					
40	All Ages	CC	15	0.03	0	0.00			
40	All Ages	Ecig	3736	6.31					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	27114	45.82			27.47	581	2.14
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any		4489	50.75					
40	50-54	CC		3	0.03	0	0.00			
40	50-54	Ecig		836	9.45					
40	50-54	Dual		0	0.00					
40	50-54	Former		3517	39.76			23.55	66	1.88
Year of Follow-up: 2030, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any		4991	55.21					
40	55-59	CC		2	0.02	0	0.00			
40	55-59	Ecig		828	9.16					
40	55-59	Dual		0	0.00					
40	55-59	Former		3219	35.61			23.96	99	3.08
Year of Follow-up: 2030, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any		5163	52.60					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		761	7.75					
40	60-64	Dual		0	0.00					
40	60-64	Former		3892	39.65			24.55	160	4.11
Year of Follow-up: 2030, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any		4997	46.86					
40	65-69	CC		4	0.04	0	0.00			
40	65-69	Ecig		611	5.73					
40	65-69	Dual		0	0.00					
40	65-69	Former		5052	47.37			26.16	126	2.49
Year of Follow-up: 2030, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any		4724	43.28					
40	70-74	CC		3	0.03	0	0.00			
40	70-74	Ecig		432	3.96					
40	70-74	Dual		0	0.00					
40	70-74	Former		5757	52.74			28.97	80	1.39
Year of Follow-up: 2030, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any		3941	39.85					
40	75-79	CC		3	0.03	0	0.00			

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

40	75-79	Ecig	268	2.71					
40	75-79	Dual	0	0.00					
40	75-79	Former	5677	57.41			33.53	50	0.88
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24364	49.44					
45	All Ages	CC	6	0.01	0	0.00			
45	All Ages	Ecig	2395	4.86					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	22516	45.69			29.48	437	1.94
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.				0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

45	55-59	Never Any	4489	50.75					
45	55-59	CC	2	0.02	0	0.00			
45	55-59	Ecig	635	7.18					
45	55-59	Dual	0	0.00					
45	55-59	Former	3719	42.05			27.10	91	2.45
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4991	55.21					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	585	6.47					
45	60-64	Dual	0	0.00					
45	60-64	Former	3464	38.32			27.04	112	3.23
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5163	52.60					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	487	4.96					
45	65-69	Dual	0	0.00					
45	65-69	Former	4166	42.44			27.76	88	2.11
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4997	46.86					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	422	3.96					
45	70-74	Dual	0	0.00					
45	70-74	Former	5244	49.17			30.09	85	1.62
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4724	43.28					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	266	2.44					
45	75-79	Dual	0	0.00					
45	75-79	Former	5923	54.26			33.07	61	1.03
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19640	51.19					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	1349	3.52					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	17375	45.29			31.80	295	1.70
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4489	50.75					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	409	4.62					
50	60-64	Dual	0	0.00					
50	60-64	Former	3947	44.62			30.36	95	2.41
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4991	55.21					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	361	3.99					
50	65-69	Dual	0	0.00					
50	65-69	Former	3688	40.80			30.23	83	2.25
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5163	52.60					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	325	3.31					
50	70-74	Dual	0	0.00					
50	70-74	Former	4328	44.09			31.62	57	1.32
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4997	46.86					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	254	2.38					
50	75-79	Dual	0	0.00					
50	75-79	Former	5412	50.75			34.07	60	1.11

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	2958074.347	1551316	11.798	34.402	3806.31	1305.37	856.298	449.072

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308577	122014.015	120876.718	1137.297	0.369	0.932	4729.73	1870.18	1852.74	17.432
1993	311713	122810.618	120673.066	2137.552	0.686	1.741	4692.62	1848.83	1816.65	32.179
1994	305700	119925.592	116637.165	3288.427	1.076	2.742	4516.19	1771.69	1723.11	48.581
1995	303225	117896.496	113260.927	4635.570	1.529	3.932	4393.80	1708.35	1641.18	67.170
1996	299559	115698.645	109577.319	6121.326	2.043	5.291	4273.16	1650.42	1563.10	87.320
1997	294226	113359.847	105741.135	7618.712	2.589	6.721	4128.67	1590.70	1483.79	106.908
1998	289258	111444.212	102322.190	9122.022	3.154	8.185	3992.19	1538.10	1412.20	125.898
1999	311002	114877.722	102668.232	12209.49	3.926	10.628	4224.60	1560.48	1394.63	165.852
2000	303786	112379.704	98439.092	13940.61	4.589	12.405	4066.21	1504.22	1317.62	186.597
2001	296294	110024.943	94232.988	15791.95	5.330	14.353	3914.28	1453.52	1244.89	208.625
2002	291898	108289.173	90418.059	17871.11	6.122	16.503	3813.00	1414.56	1181.11	233.446
2003	285865	106539.023	86826.112	19712.91	6.896	18.503	3695.36	1377.22	1122.39	254.827
2004	274177	103037.251	81971.736	21065.52	7.683	20.445	3506.10	1317.61	1048.23	269.380
2005	272379	103044.562	80032.176	23012.39	8.449	22.332	3442.69	1302.41	1011.55	290.861
2006	264118	99672.555	75000.685	24671.87	9.341	24.753	3307.76	1248.28	939.293	308.985
2007	258419	97839.152	71766.847	26072.30	10.089	26.648	3203.20	1212.75	889.576	323.176
2008	259461	98075.852	70231.158	27844.69	10.732	28.391	3180.09	1202.07	860.791	341.280
2009	253907	95617.338	66530.203	29087.14	11.456	30.420	3075.31	1158.11	805.811	352.302
2010	251878	94607.988	64123.647	30484.34	12.103	32.222	3013.72	1131.98	767.239	364.745
2011	251779	93633.119	61444.125	32188.99	12.785	34.378	2982.76	1109.25	727.914	381.335
2012	252643	92775.175	58912.127	33863.05	13.404	36.500	2960.61	1087.19	690.364	396.825
2013	256175	92345.780	56768.579	35577.20	13.888	38.526	2967.76	1069.82	657.658	412.158
2014	257393	91379.215	54360.920	37018.30	14.382	40.511	2947.05	1046.26	622.411	423.845
2015	259782	90750.242	52431.210	38319.03	14.750	42.225	3346.10	1168.90	675.336	493.565
2016	261453	88811.996	49152.105	39659.89	15.169	44.656	3336.15	1133.24	627.183	506.062
2017	263685	87325.126	46479.895	40845.23	15.490	46.774	3333.85	1104.08	587.660	516.419
2018	258714	87612.144	45678.845	41933.30	16.208	47.862	3240.73	1097.46	572.187	525.269
2019	261438	87797.760	44296.629	43501.13	16.639	49.547	3242.99	1089.08	549.475	539.607
2020	262288	87221.042	42807.560	44413.48	16.933	50.921	3715.29	1235.48	606.366	629.113
2021	255079	82001.292	38015.384	43985.91	17.244	53.641	3587.82	1153.39	534.705	618.684
2022	257097	81915.977	36487.056	45428.92	17.670	55.458	3588.53	1143.37	509.283	634.092
2023	259080	81810.810	34993.914	46816.90	18.070	57.226	3586.88	1132.64	484.480	648.165
2024	260719	81528.303	33513.682	48014.62	18.416	58.893	3579.65	1119.38	460.141	659.238
2025	257308	79599.213	31829.479	47769.73	18.565	60.013	4112.08	1272.09	508.672	763.416
2026	251528	75082.462	28159.760	46922.70	18.655	62.495	4003.24	1194.99	448.182	746.807
2027	250988	74444.425	26624.529	47819.90	19.053	64.236	3976.53	1179.46	421.826	757.635
2028	250285	73699.585	25013.327	48686.26	19.452	66.060	3945.35	1161.76	394.296	767.463
2029	249525	72819.703	23468.594	49351.11	19.778	67.772	3910.99	1141.36	367.840	773.516
2030	240528	69309.277	21817.871	47491.41	19.745	68.521	4504.36	1297.95	408.582	889.368
2031	235442	65433.368	19202.810	46230.56	19.636	70.653	4397.65	1222.18	358.675	863.506
2032	234017	64643.552	17943.185	46700.37	19.956	72.243	4356.12	1203.31	334.004	869.305
2033	232559	63793.514	16750.898	47042.62	20.228	73.742	4310.93	1182.54	310.510	872.026
2034	230963	63032.151	15608.676	47423.48	20.533	75.237	4260.75	1162.80	287.945	874.856
2035	215822	57653.301	14207.434	43445.87	20.130	75.357	4924.38	1315.47	324.170	991.301
2036	208183	52988.733	11756.283	41232.45	19.806	77.814	4748.94	1208.75	268.177	940.569
2037	205491	52026.921	10790.611	41236.31	20.067	79.260	4682.40	1185.50	245.878	939.624
2038	202834	50943.211	9849.918	41093.29	20.260	80.665	4612.18	1158.38	223.974	934.409
2039	200251	50085.991	9031.169	41054.82	20.502	81.969	4538.65	1135.19	204.690	930.501

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1710511.128	534477.0	17.432	23.808	887.537	649.875	495.156	154.720

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77987	62366.766	62237.491	129.274	0.166	0.207	1195.35	955.930	953.948	1.981
1993	78542	62652.888	62398.182	254.706	0.324	0.407	1182.39	943.195	939.360	3.834
1994	77437	61565.227	61163.066	402.161	0.519	0.653	1144.00	909.520	903.579	5.941
1995	76904	60851.961	60266.429	585.532	0.761	0.962	1114.36	881.759	873.274	8.484
1996	76232	60122.922	59306.076	816.845	1.072	1.359	1087.44	857.643	845.991	11.652
1997	75473	59237.155	58171.373	1065.782	1.412	1.799	1059.06	831.234	816.279	14.955
1998	75381	58906.696	57531.847	1374.849	1.824	2.334	1040.37	813.001	794.026	18.975
1999	73159	56930.073	55251.320	1678.753	2.295	2.949	993.781	773.329	750.525	22.804
2000	73784	57137.121	55062.023	2075.098	2.812	3.632	987.608	764.787	737.012	27.775
2001	73294	56481.726	53959.261	2522.465	3.442	4.466	968.273	746.169	712.846	33.324
2002	72442	55588.365	52595.095	2993.270	4.132	5.385	946.293	726.138	687.038	39.100
2003	71942	54945.856	51430.867	3514.989	4.886	6.397	929.989	710.281	664.843	45.438
2004	71301	54203.126	50112.846	4090.280	5.737	7.546	911.778	693.135	640.830	52.305
2005	70964	53744.603	49057.869	4686.734	6.604	8.720	896.937	679.296	620.058	59.237
2006	69658	52535.572	47223.071	5312.500	7.627	10.112	872.383	657.945	591.412	66.533
2007	68565	51492.124	45559.491	5932.633	8.653	11.521	849.888	638.264	564.726	73.537
2008	68226	51030.736	44345.774	6684.961	9.798	13.100	836.215	625.460	543.526	81.934
2009	67509	50276.199	42837.814	7438.385	11.018	14.795	817.667	608.943	518.850	90.093
2010	67196	49840.933	41644.996	8195.937	12.197	16.444	804.000	596.347	498.282	98.064
2011	66506	49072.841	40042.580	9030.261	13.578	18.402	787.880	581.354	474.375	106.979
2012	66155	48539.512	38611.341	9928.171	15.007	20.454	775.240	568.812	452.468	116.344
2013	65333	47675.741	36947.660	10728.08	16.421	22.502	756.876	552.318	428.035	124.284
2014	65033	47194.534	35628.992	11565.54	17.784	24.506	744.602	540.359	407.938	132.421
2015	64145	46305.842	34010.505	12295.34	19.168	26.552	726.215	526.439	398.070	158.369
2016	61618	44208.867	31481.713	12727.15	20.655	28.789	786.248	564.107	401.708	162.399
2017	59897	42702.624	29474.628	13228.00	22.085	30.977	757.297	539.903	372.657	167.246
2018	62468	44321.202	29444.604	14876.60	23.815	33.565	782.490	555.181	368.832	186.349
2019	63045	44493.088	28510.371	15982.72	25.351	35.922	782.035	551.912	353.655	198.257
2020	63466	44529.551	27515.098	17014.45	26.809	38.209	898.991	630.757	389.749	241.008
2021	57113	39852.556	23619.013	16233.54	28.424	40.734	803.323	560.546	332.213	228.333
2022	57440	39853.685	22590.280	17263.41	30.055	43.317	801.745	556.274	315.313	240.961
2023	57738	39847.050	21567.502	18279.55	31.659	45.874	799.366	551.670	298.595	253.075
2024	57942	39726.010	20538.310	19187.70	33.115	48.300	795.539	545.435	281.990	263.446
2025	57521	39207.348	19406.068	19801.28	34.424	50.504	919.257	626.579	310.131	316.447
2026	51428	34803.960	16372.624	18431.34	35.839	52.958	818.510	553.929	260.581	293.347
2027	51172	34484.595	15358.263	19126.33	37.377	55.463	810.740	546.357	243.329	303.028
2028	50870	34100.638	14312.625	19788.01	38.899	58.028	801.884	537.544	225.616	311.927
2029	50540	33669.838	13322.047	20347.79	40.261	60.433	792.146	527.732	208.806	318.926
2030	49109	32557.688	12282.134	20275.55	41.287	62.276	919.662	609.705	230.007	379.699
2031	43585	28646.393	10186.606	18459.79	42.353	64.440	814.096	535.065	190.268	344.797
2032	43163	28227.160	9423.101	18804.06	43.565	66.617	803.454	525.435	175.406	350.029
2033	42725	27786.623	8705.212	19081.41	44.661	68.671	791.996	515.079	161.368	353.711
2034	42256	27348.299	8032.884	19315.41	45.711	70.627	779.523	504.514	148.188	356.326
2035	39748	25570.077	7229.167	18340.91	46.143	71.728	906.933	583.430	164.947	418.483
2036	34030	21717.319	5594.910	16122.41	47.377	74.238	776.269	495.402	127.628	367.774
2037	33454	21256.024	5089.558	16166.47	48.325	76.056	762.289	484.347	115.972	368.374
2038	32883	20747.175	4606.940	16140.24	49.084	77.795	747.720	471.764	104.756	367.008
2039	32325	20327.688	4195.478	16132.21	49.906	79.361	732.644	460.724	95.090	365.634

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	6360041	1098877.421	508120.861	590756.6	9.289	53.760	1841.09	318.101	147.090	171.011

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164548	36137.488	35292.595	844.893	0.513	2.338	2522.12	553.899	540.949	12.950
1993	164362	35599.588	34034.455	1565.133	0.952	4.396	2474.35	535.926	512.365	23.562
1994	159866	34336.757	31946.830	2389.927	1.495	6.960	2361.75	507.267	471.960	35.307
1995	158083	33455.759	30112.807	3342.952	2.115	9.992	2290.66	484.782	436.341	48.440
1996	154875	32193.824	27838.447	4355.378	2.812	13.529	2209.26	459.239	397.111	62.129
1997	149970	30665.509	25327.871	5337.638	3.559	17.406	2104.43	430.308	355.409	74.899
1998	145407	29188.430	22929.718	6258.712	4.304	21.442	2006.83	402.844	316.464	86.380
1999	165952	33375.386	24662.364	8713.021	5.250	26.106	2254.27	453.366	335.010	118.356
2000	160260	32024.754	22262.598	9762.156	6.091	30.483	2145.10	428.655	297.988	130.668
2001	154444	30682.393	19830.794	10851.60	7.026	35.368	2040.33	405.339	261.981	143.358
2002	151887	30218.370	18089.028	12129.34	7.986	40.139	1984.06	394.736	236.293	158.443
2003	146733	29175.202	16100.746	13074.46	8.910	44.814	1896.81	377.146	208.133	169.013
2004	138381	27488.687	13920.905	13567.78	9.805	49.358	1769.58	351.518	178.017	173.501
2005	135881	27017.439	12566.012	14451.43	10.635	53.489	1717.44	341.482	158.826	182.656
2006	131922	26231.435	11027.163	15204.27	11.525	57.962	1652.16	328.517	138.102	190.415
2007	126502	25103.049	9576.042	15527.01	12.274	61.853	1568.04	311.161	118.698	192.463
2008	125859	24621.740	8598.366	16023.37	12.731	65.078	1542.60	301.777	105.386	196.391
2009	122428	23741.177	7552.387	16188.79	13.223	68.189	1482.84	287.552	91.474	196.078
2010	120537	23189.160	6734.622	16454.54	13.651	70.958	1442.22	277.458	80.580	196.878
2011	120221	22786.927	5971.793	16815.13	13.987	73.793	1424.23	269.951	70.746	199.205
2012	120927	22485.295	5350.999	17134.30	14.169	76.202	1417.09	263.495	62.706	200.789
2013	122648	22251.884	4826.924	17424.96	14.207	78.308	1420.86	257.786	55.919	201.866
2014	123229	21894.593	4331.195	17563.40	14.253	80.218	1410.92	250.685	49.590	201.094
2015	123774	21471.109	3901.576	17569.53	14.195	81.829	1594.26	276.557	50.254	226.303
2016	126218	21411.568	3514.226	17897.34	14.180	83.587	1610.55	273.213	44.842	228.371
2017	128265	21169.399	3169.108	18000.29	14.034	85.030	1621.69	267.651	40.068	227.583
2018	121429	19830.576	2669.320	17161.26	14.133	86.539	1521.05	248.404	33.437	214.967
2019	121832	19431.014	2403.283	17027.73	13.976	87.632	1511.26	241.031	29.811	211.219
2020	120811	18532.612	2126.412	16406.20	13.580	88.526	1711.27	262.513	30.120	232.392
2021	119407	18234.128	1880.845	16353.28	13.695	89.685	1679.51	256.472	26.455	230.017
2022	119438	17812.559	1680.148	16132.41	13.507	90.568	1667.10	248.626	23.451	225.175
2023	119445	17361.668	1498.566	15863.10	13.281	91.369	1653.68	240.367	20.747	219.620
2024	119305	16929.676	1352.242	15577.43	13.057	92.013	1638.05	232.443	18.566	213.877
2025	115685	15501.666	1172.011	14329.66	12.387	92.439	1848.78	247.735	18.730	229.004
2026	115073	15523.814	1071.934	14451.88	12.559	93.095	1831.46	247.072	17.061	230.012
2027	113989	15073.070	974.125	14098.95	12.369	93.537	1805.98	238.810	15.434	223.377
2028	112855	14636.710	878.202	13758.51	12.191	94.000	1778.98	230.725	13.843	216.882
2029	111718	14180.166	794.132	13386.03	11.982	94.400	1751.04	222.256	12.447	209.809
2030	104851	12111.772	663.095	11448.68	10.919	94.525	1963.54	226.816	12.418	214.398
2031	105289	12417.367	640.920	11776.45	11.185	94.839	1966.62	231.935	11.971	219.963
2032	103879	12054.064	592.495	11461.57	11.034	95.085	1933.67	224.381	11.029	213.352
2033	102485	11672.389	542.633	11129.76	10.860	95.351	1899.76	216.370	10.059	206.312
2034	101070	11365.762	498.180	10867.58	10.753	95.617	1864.51	209.673	9.190	200.482
2035	90820	8580.360	376.706	8203.654	9.033	95.610	2072.23	195.777	8.595	187.182
2036	92117	8948.841	370.408	8578.433	9.313	95.861	2101.31	204.135	8.450	195.686
2037	90327	8624.570	347.068	8277.502	9.164	95.976	2058.21	196.522	7.908	188.614
2038	88590	8315.017	320.816	7994.201	9.024	96.142	2014.42	189.073	7.295	181.778
2039	86921	8001.132	290.015	7711.117	8.871	96.375	1970.05	181.344	6.573	174.771

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1489699	149918.462	68553.803	81364.66	5.462	54.273	431.236	43.398	19.845	23.553

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.448	105.124	0.327	2.360	492.014	68.262	66.651	1.611
1993	32896	4462.473	4263.719	198.754	0.604	4.454	495.226	67.179	64.187	2.992
1994	33323	4499.513	4185.600	313.913	0.942	6.977	492.290	66.473	61.835	4.638
1995	33569	4472.774	4027.457	445.317	1.327	9.956	486.422	64.812	58.359	6.453
1996	33870	4406.878	3816.142	590.736	1.744	13.405	483.150	62.863	54.437	8.427
1997	33516	4288.158	3549.723	738.435	2.203	17.220	470.307	60.173	49.811	10.362
1998	32795	4120.148	3246.652	873.496	2.664	21.201	452.620	56.864	44.809	12.056
1999	33375	3982.443	2974.245	1008.198	3.021	25.316	453.361	54.097	40.402	13.695
2000	33459	4021.411	2835.653	1185.758	3.544	29.486	447.853	53.827	37.956	15.872
2001	32275	3848.092	2542.736	1305.356	4.044	33.922	426.379	50.836	33.592	17.245
2002	31586	3783.081	2337.945	1445.136	4.575	38.200	412.601	49.418	30.540	18.877
2003	30985	3754.415	2154.376	1600.039	5.164	42.618	400.541	48.533	27.849	20.684
2004	29884	3666.274	1949.085	1717.190	5.746	46.837	382.149	46.883	24.924	21.959
2005	28708	3589.688	1760.710	1828.978	6.371	50.951	362.850	45.371	22.254	23.117
2006	28188	3596.985	1615.056	1981.929	7.031	55.100	353.021	45.048	20.227	24.821
2007	28026	3560.798	1465.032	2095.766	7.478	58.857	347.392	44.137	18.160	25.978
2008	27128	3417.001	1287.724	2129.277	7.849	62.314	332.495	41.881	15.783	26.098
2009	27068	3394.390	1170.478	2223.912	8.216	65.517	327.847	41.113	14.177	26.936
2010	26911	3340.137	1057.776	2282.361	8.481	68.331	321.990	39.965	12.656	27.308
2011	26959	3285.435	951.536	2333.899	8.657	71.038	319.377	38.922	11.273	27.649
2012	27057	3259.209	856.436	2402.773	8.880	73.723	317.068	38.193	10.036	28.157
2013	27904	3274.703	784.207	2490.496	8.925	76.053	323.265	37.937	9.085	28.852
2014	28792	3298.083	717.084	2580.999	8.964	78.258	329.657	37.762	8.210	29.551
2015	29560	3244.406	647.992	2596.414	8.784	80.027	380.745	41.789	8.346	33.443
2016	30513	3314.836	601.841	2712.996	8.891	81.844	389.347	42.297	7.680	34.618
2017	31416	3333.314	551.170	2782.143	8.856	83.465	397.202	42.144	6.969	35.176
2018	29348	2925.242	444.917	2480.325	8.451	84.790	367.626	36.642	5.573	31.069
2019	29598	2864.628	400.037	2464.591	8.327	86.035	367.149	35.534	4.962	30.572
2020	29592	2730.366	351.883	2378.484	8.037	87.112	419.174	38.675	4.984	33.691
2021	30097	2647.911	313.170	2334.741	7.757	88.173	423.328	37.244	4.405	32.839
2022	30304	2586.165	279.419	2306.745	7.612	89.196	422.974	36.097	3.900	32.197
2023	30505	2517.960	249.343	2268.618	7.437	90.097	422.337	34.860	3.452	31.408
2024	30661	2454.161	224.801	2229.360	7.271	90.840	420.968	33.695	3.086	30.609
2025	30254	2275.364	194.035	2081.329	6.880	91.472	483.488	36.363	3.101	33.262
2026	30685	2183.166	172.456	2010.710	6.553	92.101	488.380	34.747	2.745	32.002
2027	30561	2112.345	155.541	1956.804	6.403	92.637	484.196	33.467	2.464	31.003
2028	30412	2046.677	140.119	1906.557	6.269	93.154	479.392	32.263	2.209	30.054
2029	30254	1977.671	126.037	1851.635	6.120	93.627	474.195	30.997	1.975	29.022
2030	29330	1744.457	105.523	1638.934	5.588	93.951	549.260	32.668	1.976	30.692
2031	28976	1653.738	94.531	1559.206	5.381	94.284	541.223	30.889	1.766	29.123
2032	28724	1603.120	85.758	1517.362	5.282	94.651	534.690	29.841	1.596	28.245
2033	28464	1548.245	78.080	1470.164	5.165	94.957	527.627	28.700	1.447	27.252
2034	28178	1511.985	71.925	1440.059	5.111	95.243	519.826	27.893	1.327	26.566
2035	26737	1239.866	56.901	1182.965	4.424	95.411	610.065	28.290	1.298	26.992
2036	25591	1182.522	51.302	1131.220	4.420	95.662	583.762	26.975	1.170	25.805
2037	25143	1134.483	47.585	1086.898	4.323	95.806	572.916	25.851	1.084	24.766
2038	24693	1093.537	43.708	1049.828	4.251	96.003	561.491	24.866	0.994	23.872
2039	24247	1047.905	39.236	1008.668	4.160	96.256	549.553	23.751	0.889	22.861

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	670888.554	344718.0	15.436	33.942	646.447	293.996	194.208	99.788

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.184	58.005	0.171	0.304	520.248	292.085	291.196	0.889
1993	35913	20095.670	19976.710	118.960	0.331	0.592	540.645	302.526	300.735	1.791
1994	35074	19524.095	19341.669	182.426	0.520	0.934	518.158	288.435	285.740	2.695
1995	34669	19116.002	18854.234	261.768	0.755	1.369	502.362	276.995	273.202	3.793
1996	34582	18975.021	18616.655	358.367	1.036	1.889	493.306	270.675	265.563	5.112
1997	35267	19169.025	18692.168	476.857	1.352	2.488	494.878	268.986	262.294	6.691
1998	35675	19228.937	18613.973	614.965	1.724	3.198	492.368	265.388	256.901	8.487
1999	38516	20589.820	19780.302	809.518	2.102	3.932	523.195	279.689	268.693	10.996
2000	36283	19196.417	18278.817	917.600	2.529	4.780	485.652	256.946	244.664	12.282
2001	36281	19012.731	17900.197	1112.535	3.066	5.852	479.301	251.174	236.476	14.697
2002	35983	18699.357	17395.991	1303.366	3.622	6.970	470.038	244.265	227.240	17.026
2003	36205	18663.550	17140.122	1523.427	4.208	8.163	468.019	241.262	221.569	19.693
2004	34611	17679.164	15988.901	1690.263	4.884	9.561	442.596	226.076	204.462	21.615
2005	36826	18692.832	16647.584	2045.248	5.554	10.941	465.456	236.265	210.414	25.851
2006	34350	17308.564	15135.396	2173.168	6.327	12.555	430.192	216.769	189.553	27.216
2007	35326	17683.181	15166.283	2516.898	7.125	14.233	437.879	219.189	187.992	31.198
2008	38248	19006.374	15999.293	3007.081	7.862	15.821	468.788	232.952	196.096	36.856
2009	36902	18205.573	14969.524	3236.048	8.769	17.775	446.956	220.505	181.310	39.195
2010	37234	18237.758	14686.253	3551.505	9.538	19.473	445.505	218.215	175.721	42.494
2011	38093	18487.916	14478.216	4009.700	10.526	21.688	451.279	219.022	171.520	47.502
2012	38504	18491.158	14093.350	4397.808	11.422	23.783	451.211	216.689	165.153	51.536
2013	40290	19143.452	14209.788	4933.664	12.245	25.772	466.755	221.775	164.619	57.156
2014	40339	18992.005	13683.650	5308.355	13.159	27.950	461.866	217.451	156.672	60.779
2015	42303	19728.885	13871.138	5857.747	13.847	29.691	544.880	254.116	178.666	75.450
2016	43104	19876.724	13554.325	6322.399	14.668	31.808	550.009	253.628	172.954	80.674
2017	44107	20119.790	13284.989	6834.801	15.496	33.971	557.659	254.381	167.966	86.415
2018	45469	20535.123	13120.004	7415.119	16.308	36.109	569.564	257.229	164.345	92.884
2019	46963	21009.029	12982.939	8026.090	17.090	38.203	582.552	260.605	161.046	99.559
2020	48419	21428.512	12814.168	8614.344	17.791	40.200	685.853	303.533	181.512	122.021
2021	48463	21266.697	12202.357	9064.341	18.704	42.622	681.652	299.127	171.632	127.494
2022	49915	21663.568	11937.210	9726.358	19.486	44.897	696.712	302.378	166.618	135.760
2023	51391	22084.131	11678.504	10405.63	20.248	47.118	711.491	305.748	161.685	144.063
2024	52811	22418.456	11398.329	11020.13	20.867	49.156	725.093	307.804	156.498	151.306
2025	53848	22614.834	11057.365	11557.47	21.463	51.106	860.553	361.411	176.709	184.702
2026	54342	22571.522	10542.747	12028.78	22.135	53.292	864.886	359.241	167.795	191.446
2027	55267	22774.416	10136.600	12637.82	22.867	55.491	875.619	360.827	160.599	200.227
2028	56149	22915.561	9682.381	13233.18	23.568	57.748	885.102	361.228	152.628	208.601
2029	57014	22992.027	9226.378	13765.65	24.144	59.871	893.616	360.371	144.612	215.759
2030	57238	22895.360	8767.120	14128.24	24.683	61.708	1071.90	428.760	164.181	264.578
2031	57592	22715.871	8280.752	14435.12	25.065	63.546	1075.71	424.293	154.670	269.623
2032	58251	22759.207	7841.831	14917.38	25.609	65.544	1084.31	423.652	145.972	277.680
2033	58885	22786.258	7424.973	15361.28	26.087	67.415	1091.54	422.387	137.636	284.751
2034	59460	22806.106	7005.687	15800.42	26.573	69.282	1096.89	420.721	129.239	291.482
2035	58516	22262.998	6544.660	15718.34	26.862	70.603	1335.15	507.973	149.329	358.644
2036	56446	21140.051	5739.663	15400.39	27.284	72.849	1287.60	482.234	130.930	351.304
2037	56568	21011.845	5306.399	15705.45	27.764	74.746	1288.98	478.783	120.913	357.870
2038	56668	20787.483	4878.454	15909.03	28.074	76.532	1288.55	472.681	110.930	361.751
2039	56758	20709.267	4506.440	16202.83	28.547	78.240	1286.40	469.372	102.138	367.234

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13293581	4509390.583	2975669.565	1533721	11.537	34.012	3815.76	1305.37	854.129	451.242

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308580	122014.015	120877.836	1136.179	0.368	0.931	4729.74	1870.18	1852.75	17.427
1993	311723	122810.618	120677.054	2133.564	0.684	1.737	4692.65	1848.83	1816.66	32.164
1994	305723	119925.592	116646.343	3279.249	1.073	2.734	4516.28	1771.69	1723.15	48.544
1995	303268	117896.496	113277.580	4618.916	1.523	3.918	4393.95	1708.35	1641.24	67.104
1996	299629	115698.645	109603.917	6094.728	2.034	5.268	4273.40	1650.42	1563.21	87.215
1997	294330	113359.847	105780.229	7579.618	2.575	6.686	4129.04	1590.70	1483.95	106.754
1998	289405	111444.212	102376.297	9067.915	3.133	8.137	3992.72	1538.10	1412.41	125.683
1999	311219	114877.722	102742.608	12135.11	3.899	10.564	4225.40	1560.48	1394.93	165.551
2000	304072	112379.704	98535.455	13844.25	4.553	12.319	4067.27	1504.22	1318.01	186.207
2001	296655	110024.943	94352.226	15672.72	5.283	14.245	3915.61	1453.52	1245.37	208.145
2002	292347	108289.173	90562.399	17726.77	6.064	16.370	3814.67	1414.56	1181.69	232.862
2003	286408	106539.023	86996.959	19542.06	6.823	18.343	3697.38	1377.22	1123.09	254.136
2004	274808	103037.251	82166.855	20870.40	7.595	20.255	3508.47	1317.61	1049.02	268.591
2005	273124	103044.562	80258.255	22786.31	8.343	22.113	3445.50	1302.41	1012.47	289.947
2006	264966	99672.555	75248.885	24423.67	9.218	24.504	3310.97	1248.28	940.299	307.980
2007	259382	97839.152	72041.900	25797.25	9.946	26.367	3206.87	1212.75	890.691	322.061
2008	260570	98075.852	70539.511	27536.34	10.568	28.077	3184.35	1202.07	862.042	340.029
2009	255143	95617.338	66862.850	28754.49	11.270	30.072	3080.08	1158.11	807.168	350.946
2010	253258	94607.988	64485.180	30122.81	11.894	31.840	3019.06	1131.98	768.720	363.264
2011	253322	93633.119	61831.818	31801.30	12.554	33.964	2988.79	1109.25	729.516	379.732
2012	254365	92775.175	59325.336	33449.84	13.150	36.055	2967.39	1087.19	692.083	395.107
2013	258108	92345.780	57209.687	35136.09	13.613	38.048	2975.44	1069.82	659.508	410.308
2014	259532	91379.215	54827.237	36551.98	14.084	40.000	2955.61	1046.26	624.386	421.871
2015	262157	90750.242	52924.777	37825.47	14.429	41.681	3354.59	1168.90	677.231	491.671
2016	264058	88811.996	49657.444	39154.55	14.828	44.087	3345.56	1133.24	629.149	504.096
2017	266543	87325.126	46999.693	40325.43	15.129	46.178	3344.34	1104.08	589.709	514.370
2018	261738	87612.144	46232.022	41380.12	15.810	47.231	3251.86	1097.46	574.391	523.065
2019	264735	87797.760	44876.217	42921.54	16.213	48.887	3255.28	1089.08	551.814	537.267
2020	265873	87221.042	43412.199	43808.84	16.477	50.227	3726.60	1235.48	608.486	626.993
2021	258805	82001.292	38592.671	43408.62	16.773	52.937	3599.70	1153.39	536.782	616.607
2022	261103	81915.977	37078.910	44837.07	17.172	54.735	3601.54	1143.37	511.452	631.923
2023	263378	81810.810	35599.005	46211.81	17.546	56.486	3601.10	1132.64	486.736	645.909
2024	265318	81528.303	34130.605	47397.70	17.865	58.136	3595.16	1119.38	462.484	656.895
2025	262193	79599.213	32454.372	47144.84	17.981	59.228	4125.36	1272.09	510.640	761.448
2026	256560	75082.462	28747.885	46334.58	18.060	61.712	4017.07	1194.99	450.118	744.871
2027	256286	74444.425	27212.460	47231.97	18.429	63.446	3991.57	1179.46	423.825	755.636
2028	255852	73699.585	25597.044	48102.54	18.801	65.268	3961.67	1161.76	396.350	765.409
2029	255365	72819.703	24046.130	48773.57	19.100	66.979	3928.64	1141.36	369.935	771.421
2030	246575	69309.277	22387.351	46921.93	19.030	67.699	4518.82	1297.95	410.279	887.670
2031	241603	65433.368	19728.607	45704.76	18.917	69.849	4412.29	1222.18	360.295	861.886
2032	240420	64643.552	18457.903	46185.65	19.210	71.447	4371.98	1203.31	335.652	867.656
2033	239204	63793.514	17254.179	46539.34	19.456	72.953	4328.05	1182.54	312.190	870.346
2034	237845	63032.151	16099.621	46932.53	19.732	74.458	4279.16	1162.80	289.655	873.146
2035	222719	57653.301	14680.002	42973.30	19.295	74.537	4939.81	1315.47	325.596	989.875
2036	215008	52988.733	12160.069	40828.66	18.989	77.052	4763.08	1208.75	269.383	939.363
2037	212465	52026.921	11175.079	40851.84	19.228	78.521	4697.43	1185.50	247.072	938.431
2038	209953	50943.211	10213.848	40729.36	19.399	79.951	4628.14	1158.38	225.151	933.232
2039	207510	50085.991	9376.737	40709.25	19.618	81.279	4555.53	1135.19	205.850	929.341

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3096135	2244988.113	1720927.850	524060.3	16.926	23.344	888.707	649.875	493.971	155.905

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77988	62366.766	62238.073	128.693	0.165	0.206	1195.35	955.930	953.951	1.979
1993	78545	62652.888	62400.257	252.631	0.322	0.403	1182.40	943.195	939.368	3.826
1994	77443	61565.227	61167.910	397.317	0.513	0.645	1144.02	909.520	903.599	5.921
1995	76915	60851.961	60275.341	576.620	0.750	0.948	1114.40	881.759	873.310	8.449
1996	76251	60122.922	59320.552	802.370	1.052	1.335	1087.51	857.643	846.049	11.594
1997	75501	59237.155	58192.994	1044.161	1.383	1.763	1059.17	831.234	816.365	14.869
1998	75421	58906.696	57562.448	1344.248	1.782	2.282	1040.53	813.001	794.148	18.852
1999	73212	56930.073	55291.603	1638.470	2.238	2.878	993.997	773.329	750.691	22.639
2000	73856	57137.121	55116.186	2020.935	2.736	3.537	987.902	764.787	737.234	27.554
2001	73387	56481.726	54027.904	2453.822	3.344	4.344	968.649	746.169	713.125	33.044
2002	72558	55588.365	52679.591	2908.774	4.009	5.233	946.766	726.138	687.384	38.754
2003	72084	54945.856	51532.595	3413.262	4.735	6.212	930.565	710.281	665.259	45.022
2004	71471	54203.126	50232.794	3970.332	5.555	7.325	912.468	693.135	641.321	51.814
2005	71165	53744.603	49197.289	4547.315	6.390	8.461	897.753	679.296	620.629	58.666
2006	69889	52535.572	47380.337	5155.235	7.376	9.813	873.324	657.945	592.058	65.887
2007	68829	51492.124	45735.245	5756.879	8.364	11.180	850.964	638.264	565.448	72.815
2008	68527	51030.736	44541.737	6488.999	9.469	12.716	837.441	625.460	544.331	81.129
2009	67847	50276.199	43053.217	7222.982	10.646	14.367	819.050	608.943	519.738	89.205
2010	67575	49840.933	41881.114	7959.818	11.779	15.970	805.557	596.347	499.260	97.087
2011	66926	49072.841	40296.672	8776.169	13.113	17.884	789.618	581.354	475.436	105.918
2012	66618	48539.512	38883.498	9656.014	14.495	19.893	777.161	568.812	453.610	115.202
2013	65839	47675.741	37235.960	10439.78	15.857	21.897	758.985	552.318	429.253	123.066
2014	65588	47194.534	35935.977	11258.56	17.165	23.856	746.937	540.359	409.247	131.112
2015	64745	46305.842	34331.708	11974.13	18.494	25.859	828.489	596.439	439.312	157.127
2016	62247	44208.867	31806.447	12402.42	19.924	28.054	788.658	564.107	402.981	161.126
2017	60562	42702.624	29805.199	12897.42	21.296	30.203	759.872	539.903	373.968	165.935
2018	63216	44321.202	29802.219	14518.98	22.967	32.759	785.405	555.181	370.266	184.915
2019	63859	44493.088	28884.338	15608.75	24.442	35.081	785.237	551.912	355.172	196.739
2020	64350	44529.551	27904.289	16625.26	25.836	37.335	901.959	630.757	391.120	239.638
2021	57967	39852.556	23978.455	15874.10	27.385	39.832	806.256	560.546	333.514	227.032
2022	58356	39853.685	22957.431	16896.25	28.954	42.396	804.937	556.274	316.666	239.608
2023	58718	39847.050	21941.070	17905.98	30.495	44.937	802.831	551.670	299.995	251.675
2024	58987	39726.010	20916.918	18809.09	31.887	47.347	799.292	545.435	283.433	262.003
2025	58629	39207.348	19787.218	19420.13	33.124	49.532	922.473	626.579	311.334	315.245
2026	52477	34803.960	16714.934	18089.03	34.470	51.974	821.655	553.929	261.713	292.216
2027	52273	34484.595	15697.694	18786.90	35.940	54.479	814.135	546.357	244.486	301.871
2028	52023	34100.638	14646.773	19453.87	37.395	57.048	805.539	537.544	226.794	310.750
2029	51745	33669.838	13649.869	20019.97	38.689	59.460	796.070	527.732	209.995	317.737
2030	50357	32557.688	12602.423	19955.27	39.627	61.292	922.868	609.705	230.957	378.748
2031	44741	28646.393	10465.385	18181.01	40.636	63.467	817.091	535.065	191.125	343.940
2032	44360	28227.160	9693.173	18533.99	41.781	65.660	806.669	525.435	176.268	349.167
2033	43962	27786.623	8966.414	18820.21	42.810	67.731	795.439	515.079	162.235	352.844
2034	43532	27348.299	8285.045	19063.25	43.792	69.705	783.193	504.514	149.059	355.455
2035	41029	25570.077	7469.083	18100.99	44.118	70.790	910.000	583.430	165.661	417.770
2036	35149	21717.319	5785.972	15931.35	45.326	73.358	778.652	495.402	128.177	367.225
2037	34592	21256.024	5269.735	15986.29	46.213	75.208	764.806	484.347	116.509	367.837
2038	34040	20747.175	4775.976	15971.20	46.919	76.980	750.375	471.764	105.280	366.484
2039	33500	20327.688	4354.770	15972.92	47.680	78.577	735.432	460.724	95.601	365.122

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6423951	1098877.421	509201.800	589675.6	9.179	53.662	1843.91	318.101	146.160	171.941

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000	
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164549	36137.488	35292.926	844.562	0.513	2.337	2522.12	553.899	540.950	12.949
1993	164367	35599.588	34035.608	1563.980	0.952	4.393	2474.37	535.926	512.369	23.557
1994	159878	34336.757	31949.400	2387.357	1.493	6.953	2361.79	507.267	471.970	35.296
1995	158105	33455.759	30117.355	3338.404	2.112	9.979	2290.74	484.782	436.361	48.421
1996	154911	32193.824	27845.401	4348.423	2.807	13.507	2209.39	459.239	397.140	62.099
1997	150023	30665.509	25337.529	5327.980	3.551	17.375	2104.61	430.308	355.450	74.858
1998	145481	29188.430	22942.226	6246.205	4.293	21.400	2007.09	402.844	316.518	86.326
1999	166067	33375.386	24680.741	8694.645	5.236	26.051	2254.69	453.366	335.089	118.277
2000	160411	32024.754	22285.051	9739.703	6.072	30.413	2145.65	428.655	298.085	130.571
2001	154631	30682.393	19856.655	10825.74	7.001	35.283	2041.01	405.339	262.092	143.249
2002	152120	30218.370	18118.705	12099.66	7.954	40.041	1984.92	394.736	236.420	158.316
2003	147010	29175.202	16133.235	13041.97	8.871	44.702	1897.83	377.146	208.272	168.874
2004	138697	27488.687	13954.789	13533.90	9.758	49.234	1770.74	351.518	178.160	173.358
2005	136250	27017.439	12602.181	14415.26	10.580	53.355	1718.81	341.482	158.978	182.504
2006	132341	26231.435	11064.132	15167.30	11.461	57.821	1653.72	328.517	138.256	190.261
2007	126969	25103.049	9613.061	15489.99	12.200	61.706	1569.78	311.161	118.851	192.310
2008	126391	24621.740	8636.359	15985.38	12.648	64.924	1544.59	301.777	105.542	196.235
2009	123017	23741.177	7590.228	16150.95	13.129	68.029	1485.06	287.552	91.629	195.923
2010	121188	23189.160	6772.437	16416.72	13.546	70.795	1444.67	277.458	80.733	196.725
2011	120946	22786.927	6009.093	16777.83	13.872	73.629	1426.97	269.951	70.898	199.054
2012	121739	22485.295	5388.022	17097.27	14.044	76.038	1420.19	263.495	62.856	200.639
2013	123559	22251.884	4863.705	17388.18	14.073	78.143	1424.38	257.786	56.068	201.717
2014	124237	21894.593	4367.400	17527.19	14.108	80.053	1414.84	250.685	49.737	200.948
2015	124887	21471.109	3937.294	17533.82	14.040	81.662	1598.07	276.557	50.382	226.175
2016	127455	21411.568	3549.173	17862.40	14.015	83.424	1614.83	273.213	44.967	228.245
2017	129633	21169.399	3203.212	17966.19	13.859	84.869	1626.52	267.651	40.191	227.460
2018	122815	19830.576	2699.952	17130.62	13.948	86.385	1525.87	248.404	33.544	214.859
2019	123331	19431.014	2432.862	16998.15	13.782	87.479	1516.53	241.031	29.915	211.115
2020	122427	18532.612	2154.800	16377.81	13.378	88.373	1715.99	262.513	30.203	232.310
2021	121104	18234.128	1907.294	16326.83	13.482	89.540	1684.42	256.472	26.528	229.944
2022	121247	17812.559	1705.102	16107.46	13.285	90.428	1672.44	248.626	23.519	225.106
2023	121371	17361.668	1522.058	15839.61	13.051	91.233	1659.47	240.367	20.811	219.556
2024	121348	16929.676	1374.620	15555.06	12.819	91.880	1644.31	232.443	18.627	213.817
2025	117832	15501.666	1193.055	14308.61	12.143	92.304	1853.98	247.735	18.772	228.963
2026	117306	15523.814	1091.762	14432.05	12.303	92.967	1836.71	247.072	17.094	229.978
2027	116320	15073.070	992.925	14080.15	12.105	93.413	1811.64	238.810	15.464	223.346
2028	115283	14636.710	895.930	13740.78	11.919	93.879	1785.07	230.725	13.873	216.852
2029	114244	14180.166	810.876	13369.29	11.702	94.282	1757.58	222.256	12.475	209.781
2030	107426	12111.772	678.480	11433.29	10.643	94.398	1968.74	226.816	12.434	214.382
2031	107963	12417.367	656.010	11761.36	10.894	94.717	1971.67	231.935	11.980	219.954
2032	106633	12054.064	606.867	11447.20	10.735	94.965	1939.10	224.381	11.036	213.345
2033	105318	11672.389	556.304	11116.09	10.555	95.234	1905.58	216.370	10.066	206.305
2034	103978	11365.762	511.305	10854.46	10.439	95.501	1870.71	209.673	9.199	200.473
2035	93660	8580.360	387.963	8192.397	8.747	95.478	2077.34	195.777	8.605	187.173
2036	95057	8948.841	381.553	8567.288	9.013	95.736	2105.80	204.135	8.453	195.683
2037	93308	8624.570	357.806	8266.763	8.860	95.851	2062.96	196.522	7.911	188.612
2038	91609	8315.017	331.027	7983.990	8.715	96.019	2019.41	189.073	7.297	181.776
2039	89977	8001.132	299.594	7701.537	8.559	96.256	1975.29	181.344	6.577	174.767

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1507063	149918.462	68714.145	81204.32	5.388	54.166	432.584	43.398	19.724	23.675

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.488	105.084	0.327	2.360	492.015	68.262	66.651	1.611
1993	32897	4462.473	4263.863	198.611	0.604	4.451	495.229	67.179	64.188	2.992
1994	33325	4499.513	4185.934	313.579	0.941	6.969	492.297	66.473	61.836	4.636
1995	33574	4472.774	4028.060	444.715	1.325	9.943	486.436	64.812	58.361	6.450
1996	33878	4406.878	3817.088	589.790	1.741	13.383	483.172	62.863	54.441	8.423
1997	33527	4288.158	3551.065	737.093	2.198	17.189	470.341	60.173	49.816	10.356
1998	32811	4120.148	3248.408	871.740	2.657	21.158	452.669	56.864	44.816	12.048
1999	33397	3982.443	2976.429	1006.013	3.012	25.261	453.431	54.097	40.411	13.686
2000	33489	4021.411	2838.474	1182.938	3.532	29.416	447.950	53.827	37.967	15.860
2001	32313	3848.092	2545.992	1302.100	4.030	33.838	426.500	50.836	33.605	17.231
2002	31633	3783.081	2341.718	1441.363	4.557	38.100	412.755	49.418	30.556	18.862
2003	31041	3754.415	2158.602	1595.813	5.141	42.505	400.727	48.533	27.866	20.667
2004	29950	3666.274	1953.691	1712.584	5.718	46.712	382.372	46.883	24.943	21.941
2005	28784	3589.688	1765.616	1824.072	6.337	50.814	363.110	45.371	22.273	23.098
2006	28275	3596.985	1620.283	1976.702	6.991	54.954	353.326	45.048	20.247	24.801
2007	28127	3560.798	1470.475	2090.322	7.432	58.704	347.748	44.137	18.180	25.957
2008	27240	3417.001	1293.168	2123.834	7.797	62.155	332.893	41.881	15.803	26.077
2009	27195	3394.390	1176.062	2218.328	8.157	65.353	328.303	41.113	14.197	26.915
2010	27054	3340.137	1063.428	2276.710	8.415	68.162	322.507	39.965	12.677	27.288
2011	27120	3285.435	957.211	2328.224	8.585	70.865	319.969	38.922	11.294	27.628
2012	27236	3259.209	862.038	2397.171	8.801	73.551	317.736	38.193	10.056	28.137
2013	28109	3274.703	789.858	2484.845	8.840	75.880	324.042	37.937	9.105	28.832
2014	29025	3298.083	722.705	2575.378	8.873	78.087	330.545	37.762	8.230	29.531
2015	29825	3244.406	653.589	2590.817	8.687	79.855	381.641	41.789	8.363	33.426
2016	30811	3314.836	607.453	2707.383	8.787	81.675	390.363	42.297	7.696	34.601
2017	31749	3333.314	556.719	2776.594	8.745	83.298	398.361	42.144	6.985	35.159
2018	29689	2925.242	449.816	2475.426	8.338	84.623	368.859	36.642	5.589	31.054
2019	29969	2864.628	404.751	2459.877	8.208	85.871	368.512	35.534	4.977	30.557
2020	29995	2730.366	356.391	2373.975	7.914	86.947	420.429	38.675	4.995	33.680
2021	30538	2647.911	317.451	2330.460	7.631	88.011	424.753	37.244	4.415	32.829
2022	30778	2586.165	283.455	2302.710	7.482	89.040	424.537	36.097	3.910	32.188
2023	31014	2517.960	253.148	2264.813	7.303	89.946	424.047	34.860	3.461	31.399
2024	31205	2454.161	228.419	2225.741	7.133	90.693	422.834	33.695	3.095	30.600
2025	30831	2275.364	197.429	2077.936	6.740	91.323	485.097	36.363	3.106	33.257
2026	31307	2183.166	175.623	2007.543	6.412	91.956	490.188	34.747	2.750	31.997
2027	31215	2112.345	158.527	1953.818	6.259	92.495	486.160	33.467	2.469	30.998
2028	31098	2046.677	142.936	1903.741	6.122	93.016	481.521	32.263	2.213	30.049
2029	30973	1977.671	128.672	1848.999	5.970	93.494	476.496	30.997	1.980	29.018
2030	30075	1744.457	107.934	1636.523	5.441	93.813	551.165	32.668	1.978	30.690
2031	29748	1653.738	96.767	1556.971	5.234	94.149	543.280	30.889	1.767	29.122
2032	29526	1603.120	87.850	1515.270	5.132	94.520	536.915	29.841	1.598	28.244
2033	29293	1548.245	80.054	1468.190	5.012	94.829	530.023	28.700	1.448	27.251
2034	29036	1511.985	73.817	1438.167	4.953	95.118	522.396	27.893	1.328	26.565
2035	27603	1239.866	58.554	1181.311	4.280	95.277	612.227	28.290	1.299	26.991
2036	26451	1182.522	52.829	1129.693	4.271	95.533	585.974	26.975	1.170	25.805
2037	26019	1134.483	49.041	1085.442	4.172	95.677	575.254	25.851	1.084	24.766
2038	25584	1093.537	45.081	1048.456	4.098	95.878	563.957	24.866	0.994	23.872
2039	25151	1047.905	40.507	1007.398	4.005	96.135	552.145	23.751	0.889	22.861

Results for PHIM for Run 7 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop		NULL	Ecig	Drop			
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	2266431	1015606.587	676825.769	338780.8	14.948	33.357	650.551	293.996	194.274	99.722

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	0.346
1992	33942	19056.189	18998.349	57.840	0.170	0.304	520.249	292.085	0.889
1993	35914	20095.670	19977.327	118.343	0.330	0.589	540.648	302.526	1.789
1994	35077	19524.095	19343.099	180.995	0.516	0.927	518.166	288.435	2.690
1995	34674	19116.002	18856.824	259.178	0.747	1.356	502.377	276.995	3.785
1996	34590	18975.021	18620.875	354.146	1.024	1.866	493.331	270.675	5.099
1997	35279	19169.025	18698.640	470.384	1.333	2.454	494.916	268.986	6.670
1998	35693	19228.937	18623.216	605.722	1.697	3.150	492.425	265.388	8.457
1999	38542	20589.820	19793.835	795.985	2.065	3.866	523.285	279.689	10.949
2000	36316	19196.417	18295.744	900.673	2.480	4.692	485.768	256.946	12.223
2001	36324	19012.731	17921.675	1091.056	3.004	5.739	479.451	251.174	14.622
2002	36037	18699.357	17422.385	1276.973	3.543	6.829	470.227	244.265	16.931
2003	36273	18663.550	17172.527	1491.023	4.111	7.989	468.265	241.262	19.574
2004	34690	17679.164	16025.581	1653.582	4.767	9.353	442.883	226.076	21.478
2005	36926	18692.832	16693.169	1999.663	5.415	10.697	465.827	236.265	25.679
2006	34460	17308.564	15184.133	2124.431	6.165	12.274	430.606	216.769	27.030
2007	35458	17683.181	15223.118	2460.063	6.938	13.912	438.382	219.189	30.978
2008	38412	19006.374	16068.247	2938.127	7.649	15.459	469.423	232.952	36.587
2009	37083	18205.573	15043.343	3162.229	8.527	17.370	447.667	220.505	38.902
2010	37441	18237.758	14768.201	3469.558	9.267	19.024	446.325	218.215	42.165
2011	38330	18487.916	14568.843	3919.073	10.225	21.198	452.233	219.022	47.133
2012	38771	18491.158	14191.778	4299.380	11.089	23.251	452.298	216.689	51.130
2013	40600	19143.452	14320.164	4823.288	11.880	25.195	468.037	221.775	56.693
2014	40682	18992.005	13801.155	5190.850	12.760	27.332	463.296	217.451	60.280
2015	42700	19728.885	14002.185	5726.699	13.412	29.027	546.388	254.116	74.943
2016	43545	19876.724	13694.371	6182.354	14.198	31.103	551.708	253.628	80.123
2017	44599	20119.790	13434.563	6685.227	14.990	33.227	559.587	254.381	85.816
2018	46018	20535.123	13280.035	7255.088	15.766	35.330	571.730	257.229	92.237
2019	47575	21009.029	13154.265	7854.764	16.510	37.388	585.002	260.605	98.855
2020	49101	21428.512	12996.718	8431.793	17.172	39.348	688.220	303.533	121.365
2021	49196	21266.697	12389.471	8877.226	18.045	41.742	684.263	299.127	126.803
2022	50722	21663.568	12132.923	9530.645	18.790	43.994	699.633	302.378	135.021
2023	52276	22084.131	11882.729	10201.40	19.515	46.193	714.752	305.748	143.278
2024	53779	22418.456	11610.647	10807.81	20.097	48.209	728.723	307.804	150.475
2025	54900	22614.834	11276.671	11338.16	20.652	50.136	863.806	361.411	177.428
2026	55470	22571.522	10765.566	11805.96	21.284	52.305	868.516	359.241	190.680
2027	56479	22774.416	10363.315	12411.10	21.975	54.496	879.636	360.827	199.421
2028	57448	22915.561	9911.405	13004.16	22.636	56.748	889.535	361.228	207.758
2029	58403	22992.027	9456.713	13535.31	23.176	58.870	898.494	360.371	214.885
2030	58716	22895.360	8998.515	13896.84	23.668	60.697	1076.05	428.760	263.849
2031	59151	22715.871	8510.445	14205.43	24.016	62.535	1080.25	424.293	268.870
2032	59902	22759.207	8070.013	14689.19	24.522	64.542	1089.30	423.652	276.901
2033	60629	22786.258	7651.407	15134.85	24.963	66.421	1097.00	422.387	283.946
2034	61299	22806.106	7229.454	15576.65	25.411	68.300	1102.86	420.721	290.653
2035	60427	22262.998	6764.401	15498.60	25.648	69.616	1340.24	507.973	357.942
2036	58351	21140.051	5939.716	15200.34	26.050	71.903	1292.65	482.234	350.651
2037	58547	21011.845	5498.497	15513.35	26.497	73.831	1294.41	478.783	357.216
2038	58719	20787.483	5061.764	15725.72	26.781	75.650	1294.39	472.681	361.101
2039	58882	20709.267	4681.866	16027.40	27.219	77.392	1292.66	469.372	366.590

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Control File Details for Run: 8

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S3D
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_3
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 8, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

TTP values for Run: 8, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	S3D
Note:	Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.001879	0.000000	0.008742	0.013112	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.001735	0.000000	0.002515	0.003773	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000138	0.000000	0.000761	0.001142	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000069	0.000000	0.001376	0.002063	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000034	0.000000	0.001149	0.001724	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.001487	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.001250	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.002585	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.003504	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.003349	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.006952	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.005257	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.006493	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.006493	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.002877	0.000000	0.008742	0.013112	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.002716	0.000000	0.004083	0.006124	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000063	0.000000	0.001261	0.001892	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000032	0.000000	0.000952	0.001428	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000016	0.000000	0.000733	0.001100	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.001130	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.002302	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.004496	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.004739	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.004447	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.005449	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.006783	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.007812	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.007812	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.003175	0.000000	0.008742	0.013112	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.002445	0.000000	0.003373	0.005059	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001167	0.000000	0.003881	0.005821	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000571	0.000000	0.001954	0.002930	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000089	0.000000	0.001338	0.002007	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.002260	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.003120	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.005713	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.007307	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.006839	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.010788	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.010550	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.012310	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.012310	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.002718	0.000000	0.008742	0.013112	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.002465	0.000000	0.003996	0.005993	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001185	0.000000	0.002805	0.004208	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000275	0.000000	0.001574	0.002361	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000125	0.000000	0.001293	0.001939	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001829	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.002485	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.002992	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.003231	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.003108	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.007573	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.005521	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.009215	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.009215	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.001766	0.000000	0.008742	0.013112	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.002120	0.000000	0.005770	0.008655	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001025	0.000000	0.003262	0.004893	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000504	0.000000	0.002002	0.003003	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000250	0.000000	0.003241	0.004861	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.002656	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.003260	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.003112	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.005147	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.004359	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.010708	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.007444	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.009403	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.009403	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000884	0.000000	0.008742	0.013112	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001708	0.000000	0.009440	0.014160	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000022	0.000000	0.002831	0.004246	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000070	0.000000	0.002656	0.003983	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000035	0.000000	0.004614	0.006920	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.003911	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.004673	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.003198	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.005246	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.004412	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.008063	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.002683	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.006116	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.006116	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 8, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Main Output for the Tobacco History for Run: 8, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			F (Females)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50887	55.53					
5	All Ages	CC	10659	11.63	0	0.00			
5	All Ages	Ecig	11413	12.45					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18680	20.38			13.99	1321	7.07
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2434	76.64					
5	18-19	CC	233	7.34	0	0.00			
5	18-19	Ecig	408	12.85					
5	18-19	Dual	0	0.00					
5	18-19	Former	101	3.18			1.09	68	67.33
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5794	69.39					
5	20-24	CC	862	10.32	0	0.00			
5	20-24	Ecig	1209	14.48					
5	20-24	Dual	0	0.00					
5	20-24	Former	485	5.81			3.05	132	27.22
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5313	60.42					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1374	15.63					
5	25-29	Dual	0	0.00					
5	25-29	Former	1044	11.87			5.84	67	6.42
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

5	30-34	Never Any	5304	52.63					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1781	17.67					
5	30-34	Dual	0	0.00					
5	30-34	Former	1620	16.07			8.07	78	4.81
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5278	50.27					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1727	16.45					
5	35-39	Dual	0	0.00					
5	35-39	Former	2084	19.85			8.68	75	3.60
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1319	13.74					
5	40-44	Dual	0	0.00					
5	40-44	Former	2128	22.17			11.90	106	4.98
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1120	13.18					
5	45-49	Dual	0	0.00					
5	45-49	Former	2047	24.09			10.73	158	7.72
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	804	12.30					
5	50-54	Dual	0	0.00					
5	50-54	Former	1877	28.72			14.76	154	8.20
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	610	11.02					
5	55-59	Dual	0	0.00					
5	55-59	Former	1518	27.43			15.68	106	6.98
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	430	8.17					
5	60-64	Dual	0	0.00					
5	60-64	Former	1469	27.91			19.04	98	6.67
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	360	6.52					
5	65-69	Dual	0	0.00					
5	65-69	Former	1484	26.86			19.17	117	7.88
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	175	3.30					
5	70-74	Dual	0	0.00					
5	70-74	Former	1509	28.46			22.13	89	5.90
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	96	2.14					
5	75-79	Dual	0	0.00					
5	75-79	Former	1314	29.30			25.77	73	5.56
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	50423	54.86					
10	All Ages	CC	4595	5.00	0	0.00			
10	All Ages	Ecig	14331	15.59					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	22559	24.55			14.40	2154	9.55
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5128	64.67					
10	20-24	CC	370	4.67	0	0.00			
10	20-24	Ecig	1584	19.97					
10	20-24	Dual	0	0.00					
10	20-24	Former	848	10.69			3.50	230	27.12
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5493	65.78					
10	25-29	CC	400	4.79	0	0.00			
10	25-29	Ecig	1555	18.62					
10	25-29	Dual	0	0.00					
10	25-29	Former	902	10.80			5.22	163	18.07
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5214	59.30					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1818	20.68					
10	30-34	Dual	0	0.00					
10	30-34	Former	1344	15.28			8.83	124	9.23
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5284	52.43					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2306	22.88					
10	35-39	Dual	0	0.00					
10	35-39	Former	1927	19.12			11.27	146	7.58
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5278	50.27					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2185	20.81					
10	40-44	Dual	0	0.00					
10	40-44	Former	2452	23.35			11.87	177	7.22
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1534	15.98					
10	45-49	Dual	0	0.00					
10	45-49	Former	2602	27.10			14.13	224	8.61
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1148	13.51					
10	50-54	Dual	0	0.00					
10	50-54	Former	2615	30.78			12.73	238	9.10
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	802	12.27					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2335	35.73			16.25	189	8.09
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		568	10.26					
10	60-64	Dual		0	0.00					
10	60-64	Former		1948	35.20			16.51	190	9.75
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		364	6.91					
10	65-69	Dual		0	0.00					
10	65-69	Former		1888	35.87			19.11	179	9.48
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		301	5.45					
10	70-74	Dual		0	0.00					
10	70-74	Former		1871	33.87			19.56	172	9.19
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		166	3.13					
10	75-79	Dual		0	0.00					
10	75-79	Former		1827	34.45			22.75	122	6.68
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47002	54.27					
15	All Ages	CC		1890	2.18	0	0.00			
15	All Ages	Ecig		13626	15.73					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		24087	27.81			16.37	1191	4.94
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4860	61.29					
15	25-29	CC		166	2.09	0	0.00			
15	25-29	Ecig		1659	20.92					
15	25-29	Dual		0	0.00					
15	25-29	Former		1245	15.70			6.54	132	10.60
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5407	64.75					
15	30-34	CC		149	1.78	0	0.00			
15	30-34	Ecig		1614	19.33					
15	30-34	Dual		0	0.00					
15	30-34	Former		1180	14.13			8.28	112	9.49
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5189	59.01					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	1846	20.99					
15	35-39	Dual	0	0.00					
15	35-39	Former	1591	18.09			11.99	102	6.41
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5284	52.43					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2308	22.90					
15	40-44	Dual	0	0.00					
15	40-44	Former	2248	22.31			14.22	143	6.36
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5278	50.27					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2104	20.04					
15	45-49	Dual	0	0.00					
15	45-49	Former	2880	27.43			14.67	164	5.69
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1416	14.75					
15	50-54	Dual	0	0.00					
15	50-54	Former	2975	30.99			17.03	114	3.83
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1044	12.29					
15	55-59	Dual	0	0.00					
15	55-59	Former	2931	34.49			16.08	96	3.28
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	686	10.50					
15	60-64	Dual	0	0.00					
15	60-64	Former	2603	39.83			19.27	110	4.23
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	452	8.17					
15	65-69	Dual	0	0.00					
15	65-69	Former	2238	40.44			19.04	80	3.57
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	297	5.64					
15	70-74	Dual	0	0.00					
15	70-74	Former	2096	39.82			21.94	74	3.53
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	200	3.62					
15	75-79	Dual	0	0.00					
15	75-79	Former	2100	38.02			22.14	64	3.05
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43759	53.97					
20	All Ages	CC	765	0.94	0	0.00			
20	All Ages	Ecig	11285	13.92					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	25272	31.17			18.36	1351	5.35
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4743	59.81					
20	30-34	CC	65	0.82	0	0.00			
20	30-34	Ecig	1521	19.18					
20	30-34	Dual	0	0.00					
20	30-34	Former	1601	20.19			9.37	163	10.18
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5359	64.18					
20	35-39	CC	58	0.69	0	0.00			
20	35-39	Ecig	1430	17.13					
20	35-39	Dual	0	0.00					
20	35-39	Former	1503	18.00			10.84	122	8.12
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5189	59.01					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	1606	18.26					
20	40-44	Dual	0	0.00					
20	40-44	Former	1934	21.99			14.31	150	7.76
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5284	52.43					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2031	20.15					
20	45-49	Dual	0	0.00					
20	45-49	Former	2658	26.37			16.54	173	6.51
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5278	50.27					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	1796	17.11					
20	50-54	Dual	0	0.00					
20	50-54	Former	3324	31.66			17.29	200	6.02
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1169	12.18					
20	55-59	Dual	0	0.00					
20	55-59	Former	3322	34.60			19.95	123	3.70
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	789	9.29					
20	60-64	Dual	0	0.00					
20	60-64	Former	3281	38.61			19.01	166	5.06
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	459	7.02					
20	65-69	Dual	0	0.00					
20	65-69	Former	2914	44.58			21.91	100	3.43
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	312	5.64					
20	70-74	Dual	0	0.00					
20	70-74	Former	2450	44.27			22.13	83	3.39
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	172	3.27					
20	75-79	Dual	0	0.00					
20	75-79	Former	2285	43.41			24.89	71	3.11
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41010	54.09					
25	All Ages	CC	340	0.45	0	0.00			
25	All Ages	Ecig	8588	11.33					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	25879	34.13			20.41	1081	4.18
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4726	59.60					
25	35-39	CC	20	0.25	0	0.00			
25	35-39	Ecig	1148	14.48					
25	35-39	Dual	0	0.00					
25	35-39	Former	2036	25.67			11.76	150	7.37
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5359	64.18					
25	40-44	CC	33	0.40	0	0.00			
25	40-44	Ecig	1150	13.77					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1808	21.65			13.50	118	6.53
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5189	59.01					
25	45-49	CC	32	0.36	0	0.00			
25	45-49	Ecig	1327	15.09					
25	45-49	Dual	0	0.00					
25	45-49	Former	2245	25.53			16.92	116	5.17
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5284	52.43					
25	50-54	CC	45	0.45	0	0.00			
25	50-54	Ecig	1654	16.41					
25	50-54	Dual	0	0.00					
25	50-54	Former	3095	30.71			18.76	209	6.75
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5278	50.27					
25	55-59	CC	37	0.35	0	0.00			
25	55-59	Ecig	1369	13.04					
25	55-59	Dual	0	0.00					
25	55-59	Former	3815	36.34			19.69	175	4.59
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	42	0.44	0	0.00			
25	60-64	Ecig	836	8.71					
25	60-64	Dual	0	0.00					
25	60-64	Former	3704	38.58			22.57	167	4.51
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	41	0.48	0	0.00			
25	65-69	Ecig	534	6.28					
25	65-69	Dual	0	0.00					
25	65-69	Former	3566	41.97			22.30	72	2.02
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	31	0.47	0	0.00			
25	70-74	Ecig	341	5.22					
25	70-74	Dual	0	0.00					
25	70-74	Former	3048	46.63			25.84	37	1.21
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	59	1.07	0	0.00			
25	75-79	Ecig	229	4.14					
25	75-79	Dual	0	0.00					
25	75-79	Former	2562	46.30			26.04	37	1.44
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	38326	54.53					
30	All Ages	CC	115	0.16	0	0.00			
30	All Ages	Ecig	6444	9.17					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	25398	36.14			22.93	781	3.08
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4726	59.60					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	916	11.55					
30	40-44	Dual	0	0.00					
30	40-44	Former	2282	28.78			15.19	83	3.64
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5359	64.18					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	944	11.31					
30	45-49	Dual	0	0.00					
30	45-49	Former	2034	24.36			16.71	64	3.15
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5189	59.01					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1059	12.04					
30	50-54	Dual	0	0.00					
30	50-54	Former	2536	28.84			19.63	131	5.17
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5284	52.43					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	1255	12.45					
30	55-59	Dual	0	0.00					
30	55-59	Former	3525	34.98			21.12	161	4.57
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5278	50.27					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	1001	9.53					
30	60-64	Dual	0	0.00					
30	60-64	Former	4205	40.05			22.58	170	4.04
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	596	6.21					
30	65-69	Dual	0	0.00					
30	65-69	Former	3968	41.33			25.90	68	1.71
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	421	4.95					
30	70-74	Dual	0	0.00					
30	70-74	Former	3698	43.52			26.38	69	1.87
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	252	3.86					
30	75-79	Dual	0	0.00					
30	75-79	Former	3150	48.19			29.91	35	1.11
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35210	55.23					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	4652	7.30					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	23838	37.39			25.28	601	2.52
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4726	59.60					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	716	9.03					
35	45-49	Dual	0	0.00					
35	45-49	Former	2487	31.36			18.70	76	3.06
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5359	64.18					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	743	8.90					
35	50-54	Dual	0	0.00					
35	50-54	Former	2245	26.89			19.83	104	4.63
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5189	59.01					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	805	9.16					
35	55-59	Dual	0	0.00					
35	55-59	Former	2795	31.79			22.54	92	3.29
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5284	52.43					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	888	8.81					
35	60-64	Dual	0	0.00					
35	60-64	Former	3899	38.69			23.79	159	4.08
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5278	50.27					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	716	6.82					
35	65-69	Dual	0	0.00					
35	65-69	Former	4498	42.84			25.96	61	1.36
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	476	4.96					
35	70-74	Dual	0	0.00					
35	70-74	Former	4095	42.66			29.99	68	1.66
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	308	3.62					
35	75-79	Dual	0	0.00					
35	75-79	Former	3819	44.95			30.45	41	1.07
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30854	55.84					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	3146	5.69					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	21236	38.44			27.73	464	2.18
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

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Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4726	59.60					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		556	7.01					
40	50-54	Dual		0	0.00					
40	50-54	Former		2648	33.39			22.37	81	3.06
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		5359	64.18					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		551	6.60					
40	55-59	Dual		0	0.00					
40	55-59	Former		2440	29.22			23.02	66	2.70
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5189	59.01					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		554	6.30					
40	60-64	Dual		0	0.00					
40	60-64	Former		3047	34.65			25.41	118	3.87
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		5284	52.43					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		613	6.08					
40	65-69	Dual		0	0.00					
40	65-69	Former		4178	41.46			27.04	64	1.53
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		5278	50.27					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		550	5.24					
40	70-74	Dual		0	0.00					
40	70-74	Former		4667	44.45			29.90	76	1.63
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

40	75-79	Ecig	322	3.35					
40	75-79	Dual	0	0.00					
40	75-79	Former	4256	44.33			33.74	59	1.39
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25836	56.60					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	2043	4.48					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	17766	38.92			29.94	285	1.60
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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45	55-59	Never Any	4726	59.60					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	411	5.18					
45	55-59	Dual	0	0.00					
45	55-59	Former	2793	35.22			26.06	55	1.97
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5359	64.18					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	389	4.66					
45	60-64	Dual	0	0.00					
45	60-64	Former	2602	31.16			26.40	64	2.46
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5189	59.01					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	380	4.32					
45	65-69	Dual	0	0.00					
45	65-69	Former	3221	36.63			28.90	47	1.46
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5284	52.43					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	489	4.85					
45	70-74	Dual	0	0.00					
45	70-74	Former	4304	42.71			31.15	58	1.35
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5278	50.27					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	374	3.56					
45	75-79	Dual	0	0.00					
45	75-79	Former	4846	46.16			33.69	61	1.26
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20558	58.48					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	1191	3.39					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	13398	38.12			32.41	177	1.32
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4726	59.60					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	281	3.54					
50	60-64	Dual	0	0.00					
50	60-64	Former	2923	36.86			29.76	55	1.88
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5359	64.18					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	284	3.40					
50	65-69	Dual	0	0.00					
50	65-69	Former	2707	32.42			30.28	30	1.11
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5189	59.01					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	300	3.41					
50	70-74	Dual	0	0.00					
50	70-74	Former	3301	37.54			33.12	40	1.21
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5284	52.43					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	326	3.23					
50	75-79	Dual	0	0.00					
50	75-79	Former	4467	44.32			34.92	52	1.16

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	1928209.993	1018040	11.209	34.554	2493.45	808.881	529.382	279.499

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198532	60494.150	60022.334	471.815	0.238	0.780	2829.84	862.271	855.546	6.725
1993	202512	62694.848	61776.288	918.559	0.454	1.465	2845.85	881.034	868.125	12.908
1994	200658	63202.598	61750.565	1452.032	0.724	2.297	2777.87	874.966	854.864	20.102
1995	201023	63766.862	61668.192	2098.670	1.044	3.291	2739.80	869.097	840.494	28.603
1996	201180	64591.163	61714.001	2877.162	1.430	4.454	2706.36	868.908	830.203	38.705
1997	198639	64686.912	61081.204	3605.708	1.815	5.574	2635.18	858.147	810.313	47.834
1998	197573	65295.961	60845.476	4450.486	2.253	6.816	2584.18	854.046	795.835	58.211
1999	211329	67327.521	61574.048	5753.473	2.723	8.545	2726.91	868.771	794.530	74.241
2000	208496	67596.897	60890.418	6706.478	3.217	9.921	2656.96	861.419	775.956	85.464
2001	203606	67008.811	59292.439	7716.372	3.790	11.515	2565.88	844.458	747.215	97.243
2002	200828	67067.744	58226.275	8841.469	4.403	13.183	2506.09	836.925	726.594	110.331
2003	196352	66756.217	56896.345	9859.872	5.022	14.770	2427.31	825.244	703.356	121.888
2004	188160	65058.725	54335.883	10722.84	5.699	16.482	2302.83	796.234	665.001	131.234
2005	186416	65214.724	53330.290	11884.43	6.375	18.224	2256.27	789.321	645.479	143.842
2006	180088	63771.146	51003.093	12768.05	7.090	20.022	2160.67	765.117	611.928	153.189
2007	175644	63110.718	49434.738	13675.98	7.786	21.670	2086.36	749.650	587.202	162.448
2008	177570	63718.624	48732.221	14986.40	8.440	23.520	2086.39	748.674	572.588	176.085
2009	172806	62794.698	46958.140	15836.56	9.164	25.220	2007.57	729.515	545.534	183.981
2010	170489	61917.074	45187.335	16729.74	9.813	27.020	1957.97	711.083	518.951	192.132
2011	170305	61680.114	43755.042	17925.07	10.525	29.061	1937.46	701.700	497.777	203.923
2012	171421	62023.127	42771.195	19251.93	11.231	31.040	1930.22	698.386	481.608	216.779
2013	172699	62037.765	41587.884	20449.88	11.841	32.964	1923.75	691.059	463.261	227.798
2014	174169	61921.017	40156.944	21764.07	12.496	35.148	1918.85	682.195	442.416	239.779
2015	177354	61856.204	38968.826	22887.38	12.905	37.001	2184.51	761.899	479.989	281.910
2016	176853	60464.119	36672.453	23791.67	13.453	39.348	2157.59	737.655	447.400	290.256
2017	179309	60243.839	35239.817	25004.02	13.945	41.505	2166.86	728.017	425.856	302.161
2018	177157	60713.327	34606.128	26107.20	14.737	43.001	2120.51	726.721	414.225	312.495
2019	179227	61148.172	33632.251	27515.92	15.353	44.999	2124.53	724.841	398.672	326.170
2020	180467	61149.317	32649.048	28500.27	15.793	46.608	2424.25	821.432	438.582	382.850
2021	178116	58727.786	29808.445	28919.34	16.236	49.243	2375.42	783.216	397.537	385.679
2022	179408	58848.802	28733.632	30115.17	16.786	51.174	2374.52	778.881	380.298	398.583
2023	180640	58816.149	27649.644	31166.50	17.253	52.990	2372.26	772.407	363.111	409.296
2024	181610	58955.232	26568.273	32386.96	17.833	54.935	2366.77	768.316	346.243	422.073
2025	180418	58297.744	25384.642	32913.10	18.243	56.457	2713.69	876.861	381.812	495.049
2026	180313	56469.971	23325.767	33144.20	18.381	58.694	2701.83	846.150	349.515	496.635
2027	179619	56209.427	22144.005	34065.42	18.965	60.604	2680.68	838.883	330.482	508.401
2028	178762	55733.105	20904.068	34829.04	19.483	62.493	2656.74	828.298	310.674	517.625
2029	177808	55145.838	19659.176	35486.66	19.958	64.351	2630.89	815.951	290.882	525.069
2030	173587	53615.097	18408.068	35207.03	20.282	65.666	3040.33	939.056	322.413	616.643
2031	174985	52046.561	17174.118	34872.44	19.929	67.002	3060.73	910.364	300.398	609.965
2032	173400	51582.636	16150.550	35432.09	20.434	68.690	3027.10	900.496	281.946	618.550
2033	171756	50839.758	15116.064	35723.69	20.799	70.267	2991.14	885.375	263.246	622.128
2034	169973	50215.451	14102.360	36113.09	21.246	71.916	2951.96	872.104	244.919	627.185
2035	162644	47773.075	13007.170	34765.91	21.375	72.773	3459.14	1016.05	276.639	739.407
2036	156254	43298.709	11070.339	32228.37	20.626	74.433	3328.25	922.274	235.801	686.473
2037	153593	42241.563	10085.729	32155.83	20.936	76.124	3274.10	900.450	214.994	685.456
2038	150947	41356.353	9298.620	32057.73	21.238	77.516	3217.50	881.531	198.205	683.326
2039	148373	40161.050	8425.603	31735.45	21.389	79.020	3159.42	855.178	179.412	675.765

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1133629.127	446836.1	19.196	28.272	639.078	433.910	311.233	122.677

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.403	94.003	0.207	0.287	647.450	467.274	465.934	1.340
1993	46291	33491.183	33305.249	185.935	0.402	0.555	650.515	470.643	468.030	2.613
1994	47017	34074.347	33772.678	301.670	0.642	0.885	650.895	471.719	467.543	4.176
1995	47840	34694.454	34239.179	455.275	0.952	1.312	652.025	472.861	466.656	6.205
1996	48244	35027.269	34396.707	630.562	1.307	1.800	648.999	471.202	462.719	8.483
1997	49035	35590.763	34750.896	839.867	1.713	2.360	650.506	472.153	461.011	11.142
1998	49686	36100.785	35013.230	1087.554	2.189	3.013	649.874	472.184	457.960	14.225
1999	48883	35451.030	34139.178	1311.852	2.684	3.700	630.769	457.448	440.520	16.928
2000	50331	36447.986	34804.259	1643.727	3.266	4.510	641.392	464.474	443.527	20.947
2001	50389	36411.326	34430.382	1980.944	3.931	5.440	635.012	458.863	433.898	24.964
2002	51445	37078.545	34678.562	2399.983	4.665	6.473	641.972	462.696	432.747	29.949
2003	51408	36999.876	34198.896	2800.980	5.449	7.570	635.509	457.395	422.769	34.626
2004	51399	36861.555	33615.410	3246.145	6.316	8.806	629.057	451.138	411.409	39.729
2005	51421	36689.529	32972.025	3717.504	7.230	10.132	622.370	444.069	399.074	44.994
2006	51355	36504.774	32291.359	4213.415	8.204	11.542	616.150	437.979	387.427	50.552
2007	51839	36663.202	31859.386	4803.816	9.267	13.103	615.761	435.498	378.436	57.061
2008	50976	35898.803	30649.709	5249.094	10.297	14.622	598.952	421.800	360.124	61.675
2009	51193	35934.525	30049.843	5884.682	11.495	16.376	594.733	417.468	349.103	68.365
2010	50853	35502.829	29095.391	6407.438	12.600	18.048	584.018	407.730	334.144	73.586
2011	50509	35136.342	28120.904	7015.438	13.889	19.966	574.613	399.726	319.916	79.811
2012	51245	35450.201	27677.903	7772.297	15.167	21.925	577.023	399.173	311.656	87.517
2013	51069	35123.224	26685.182	8438.042	16.523	24.024	568.874	391.249	297.255	93.994
2014	51251	35079.370	25927.735	9151.635	17.857	26.088	564.641	386.476	285.650	100.825
2015	50443	34324.171	24702.476	9621.695	19.074	28.032	621.319	422.780	304.267	118.513
2016	48854	33054.753	23022.417	10032.34	20.535	30.351	596.013	403.264	280.871	122.393
2017	48325	32471.234	21850.204	10621.03	21.978	32.709	583.983	392.399	264.049	128.350
2018	50465	33657.595	21784.167	11873.43	23.528	35.277	604.052	402.871	260.750	142.121
2019	51036	33863.424	21095.959	12767.46	25.017	37.703	604.975	401.412	250.068	151.344
2020	51444	33910.830	20396.564	13514.27	26.270	39.852	691.053	455.532	273.992	181.540
2021	48037	31531.880	18162.959	13368.92	27.830	42.398	640.639	420.521	242.228	178.293
2022	48335	31560.212	17407.484	14152.73	29.281	44.844	639.727	417.708	230.393	187.315
2023	48599	31508.781	16642.340	14866.44	30.590	47.182	638.227	413.791	218.557	195.234
2024	48784	31517.293	15870.922	15646.37	32.073	49.644	635.757	410.740	206.833	203.907
2025	48477	31175.389	15045.159	16130.23	33.274	51.740	729.141	468.912	226.295	242.616
2026	45324	29044.598	13344.826	15699.77	34.639	54.054	679.138	435.206	199.960	235.246
2027	45107	28825.765	12557.771	16267.99	36.065	56.436	673.191	430.203	187.415	242.787
2028	44842	28513.846	11752.448	16761.40	37.379	58.783	666.430	423.769	174.663	249.106
2029	44539	28148.109	10948.922	17199.19	38.616	61.102	659.013	416.486	162.003	254.483
2030	43393	27314.475	10141.800	17172.68	39.575	62.870	760.018	478.407	177.631	300.775
2031	40748	25423.102	9068.364	16354.74	40.137	64.330	712.731	444.684	158.618	286.066
2032	40325	25085.902	8429.578	16656.32	41.305	66.397	703.969	437.933	147.158	290.775
2033	39882	24645.067	7806.117	16838.95	42.222	68.326	694.543	429.194	135.944	293.250
2034	39404	24239.126	7201.470	17037.66	43.238	70.290	684.347	420.967	125.070	295.897
2035	37454	22944.147	6539.949	16404.20	43.798	71.496	796.588	487.980	139.093	348.887
2036	32988	19950.581	5334.590	14615.99	44.306	73.261	702.663	424.953	113.628	311.325
2037	32403	19415.334	4811.479	14603.85	45.069	75.218	690.731	413.871	102.565	311.306
2038	31820	18939.317	4399.915	14539.40	45.693	76.768	678.257	403.701	93.786	309.914
2039	31251	18379.752	3954.896	14424.86	46.158	78.482	665.457	391.373	84.214	307.159

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	196994.290	201839.5	6.225	50.607	890.124	109.498	54.084	55.414

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.581	250.663	0.267	1.980	1335.88	180.485	176.912	3.573
1993	93679	12730.613	12252.021	478.591	0.511	3.759	1316.45	178.900	172.174	6.726
1994	90832	12495.323	11749.612	745.711	0.821	5.968	1257.46	172.983	162.660	10.323
1995	89698	12365.590	11311.293	1054.298	1.175	8.526	1222.52	168.534	154.165	14.369
1996	88286	12290.551	10852.346	1438.206	1.629	11.702	1187.66	165.338	145.990	19.347
1997	84777	11719.531	9986.318	1733.213	2.044	14.789	1124.67	155.473	132.480	22.993
1998	82517	11416.794	9340.491	2076.304	2.516	18.186	1079.29	149.327	122.170	27.157
1999	93939	13028.038	10167.622	2860.416	3.045	21.956	1212.16	168.109	131.199	36.910
2000	90039	12426.299	9230.378	3195.921	3.549	25.719	1147.41	158.354	117.627	40.727
2001	86119	11939.281	8334.599	3604.682	4.186	30.192	1085.29	150.461	105.034	45.427
2002	83014	11528.794	7526.505	4002.289	4.821	34.716	1035.91	143.865	93.922	49.944
2003	79302	11048.407	6744.565	4303.842	5.427	38.954	980.336	136.581	83.377	53.204
2004	73861	10375.132	5866.812	4508.320	6.104	43.453	903.963	126.978	71.802	55.176
2005	71649	10051.029	5265.265	4785.764	6.679	47.615	867.197	121.652	63.728	57.924
2006	67551	9542.523	4578.679	4963.844	7.348	52.018	810.467	114.490	54.934	59.555
2007	63503	8936.533	3934.718	5001.815	7.877	55.970	754.310	106.151	46.738	59.413
2008	63171	8944.180	3603.581	5340.600	8.454	59.710	742.239	105.091	42.341	62.750
2009	59747	8390.033	3111.966	5278.068	8.834	62.909	694.108	97.471	36.153	61.318
2010	58008	8157.570	2768.735	5388.835	9.290	66.059	666.189	93.685	31.797	61.888
2011	57368	8035.356	2473.404	5561.952	9.695	69.218	652.644	91.414	28.139	63.275
2012	57411	7970.766	2213.812	5756.954	10.028	72.226	646.453	89.752	24.928	64.824
2013	57067	7743.216	1966.952	5776.264	10.122	74.598	635.688	86.254	21.911	64.344
2014	57538	7774.935	1784.266	5990.669	10.412	77.051	633.906	85.658	19.658	66.000
2015	58395	7722.535	1635.756	6086.779	10.423	78.818	719.266	95.120	20.148	74.972
2016	58658	7600.353	1453.499	6146.855	10.479	80.876	715.621	92.723	17.733	74.991
2017	59004	7470.266	1296.811	6173.456	10.463	82.640	713.034	90.274	15.671	74.603
2018	56077	6907.050	1086.510	5820.540	10.380	84.270	671.224	82.675	13.005	69.670
2019	55886	6732.046	966.143	5765.903	10.317	85.649	662.462	79.801	11.453	68.348
2020	55313	6429.836	854.701	5575.135	10.079	86.707	743.037	86.373	11.481	74.892
2021	56292	6562.016	776.894	5785.122	10.277	88.161	750.730	87.513	10.361	77.153
2022	55827	6352.366	688.831	5663.535	10.145	89.156	738.885	84.075	9.117	74.958
2023	55338	6134.123	614.556	5519.568	9.974	89.981	726.728	80.557	8.071	72.486
2024	54770	5922.193	546.391	5375.801	9.815	90.774	713.771	77.179	7.121	70.058
2025	53295	5504.188	478.510	5025.678	9.430	91.306	801.612	82.789	7.197	75.592
2026	55278	5641.075	451.325	5189.750	9.389	91.999	828.283	84.526	6.763	77.764
2027	54199	5426.216	404.625	5021.591	9.265	92.543	808.875	80.982	6.039	74.943
2028	53090	5197.830	360.941	4836.889	9.111	93.056	789.020	77.249	5.364	71.885
2029	51974	4973.547	323.724	4649.823	8.946	93.491	769.023	73.590	4.790	68.800
2030	49479	4450.618	276.760	4173.858	8.436	93.782	866.605	77.952	4.847	73.104
2031	51987	4555.052	268.152	4286.900	8.246	94.113	909.317	79.674	4.690	74.984
2032	50677	4349.999	240.702	4109.297	8.109	94.467	884.689	75.939	4.202	71.737
2033	49380	4147.948	219.658	3928.290	7.955	94.704	859.955	72.237	3.825	68.411
2034	48076	3966.133	199.838	3766.295	7.834	94.961	834.943	68.881	3.471	65.410
2035	44518	3289.064	160.832	3128.232	7.027	95.110	946.825	69.952	3.421	66.532
2036	46347	3313.192	152.195	3160.997	6.820	95.406	987.211	70.572	3.242	67.330
2037	44841	3117.951	135.420	2982.531	6.651	95.657	955.859	66.464	2.887	63.578
2038	43378	2949.775	124.041	2825.734	6.514	95.795	924.621	62.876	2.644	60.232
2039	41973	2766.312	112.990	2653.322	6.322	95.916	893.753	58.905	2.406	56.499

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	50757.869	54141.88	4.004	51.613	371.243	28.800	13.935	14.864

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.206	76.919	0.236	2.390	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.006	145.674	0.445	4.515	460.480	45.344	43.297	2.047
1994	33005	3277.266	3044.880	232.385	0.704	7.091	456.915	45.370	42.153	3.217
1995	33730	3309.378	2976.257	333.121	0.988	10.066	459.716	45.104	40.564	4.540
1996	33750	3312.987	2862.456	450.530	1.335	13.599	454.019	44.568	38.507	6.061
1997	33699	3267.066	2702.673	564.393	1.675	17.275	447.056	43.341	35.854	7.487
1998	33274	3178.725	2505.476	673.249	2.023	21.180	435.211	41.577	32.771	8.806
1999	33891	3120.351	2336.114	784.237	2.314	25.133	437.317	40.264	30.144	10.120
2000	33827	3142.808	2224.942	917.867	2.713	29.205	431.074	40.050	28.353	11.697
2001	32506	2961.588	1975.324	986.265	3.034	33.302	409.647	37.323	24.893	12.429
2002	32078	2940.627	1831.359	1109.268	3.458	37.722	400.295	36.695	22.853	13.842
2003	30568	2819.545	1637.916	1181.629	3.866	41.908	377.883	34.855	20.248	14.607
2004	29388	2730.466	1471.806	1258.660	4.283	46.097	359.671	33.417	18.013	15.404
2005	27954	2670.510	1333.918	1336.592	4.781	50.050	338.339	32.322	16.145	16.177
2006	27201	2623.285	1211.468	1411.817	5.190	53.819	326.354	31.474	14.535	16.939
2007	26302	2536.599	1078.810	1457.789	5.543	57.470	312.424	30.131	12.814	17.316
2008	25998	2469.443	969.126	1500.317	5.771	60.755	305.468	29.015	11.387	17.628
2009	25040	2386.945	861.453	1525.492	6.092	63.910	290.901	27.730	10.008	17.722
2010	24840	2329.274	772.679	1556.595	6.266	66.827	285.273	26.750	8.874	17.877
2011	24792	2286.581	692.059	1594.522	6.432	69.734	282.045	26.013	7.873	18.140
2012	24500	2243.311	619.181	1624.130	6.629	72.399	275.872	25.260	6.972	18.288
2013	24451	2176.503	547.546	1628.957	6.662	74.843	272.368	24.245	6.099	18.145
2014	25296	2211.619	508.000	1703.619	6.735	77.030	278.691	24.366	5.597	18.769
2015	26316	2237.016	474.355	1762.661	6.698	78.795	324.141	27.554	5.843	21.711
2016	26735	2229.057	432.716	1796.341	6.719	80.587	326.164	27.194	5.279	21.915
2017	27616	2221.649	395.528	1826.122	6.613	82.197	333.726	26.848	4.780	22.068
2018	25256	1939.420	318.287	1621.133	6.419	83.589	302.304	23.214	3.810	19.404
2019	25429	1904.400	285.100	1619.299	6.368	85.029	301.434	22.574	3.380	19.195
2020	25379	1806.054	250.285	1555.769	6.130	86.142	340.922	24.261	3.362	20.899
2021	25448	1748.172	221.644	1526.528	5.999	87.321	339.386	23.314	2.956	20.358
2022	25539	1701.148	198.257	1502.890	5.885	88.346	338.015	22.515	2.624	19.891
2023	25620	1652.087	178.183	1473.904	5.753	89.215	336.461	21.696	2.340	19.356
2024	25659	1597.127	158.846	1438.281	5.605	90.054	334.391	20.814	2.070	18.744
2025	25260	1467.622	136.716	1330.907	5.269	90.685	379.931	22.075	2.056	20.018
2026	25480	1390.505	120.530	1269.975	4.984	91.332	381.790	20.835	1.806	19.029
2027	25264	1342.095	107.905	1234.190	4.885	91.960	377.042	20.030	1.610	18.419
2028	25022	1289.536	96.781	1192.755	4.767	92.495	371.870	19.165	1.438	17.727
2029	24767	1242.216	86.979	1155.237	4.664	92.998	366.459	18.380	1.287	17.093
2030	23959	1096.803	72.255	1024.549	4.276	93.412	419.641	19.210	1.266	17.945
2031	23963	1019.991	63.240	956.751	3.993	93.800	419.142	17.841	1.106	16.735
2032	23615	977.406	56.692	920.714	3.899	94.200	412.259	17.063	0.990	16.073
2033	23259	937.450	51.689	885.760	3.808	94.486	405.051	16.326	0.900	15.426
2034	22879	900.763	46.966	853.797	3.732	94.786	397.339	15.644	0.816	14.828
2035	21733	745.023	36.961	708.062	3.258	95.039	462.224	15.845	0.786	15.059
2036	20904	680.360	31.515	648.844	3.104	95.368	445.263	14.492	0.671	13.821
2037	20397	644.109	28.317	615.793	3.019	95.604	434.791	13.730	0.604	13.127
2038	19890	612.448	26.054	586.394	2.948	95.746	423.966	13.055	0.555	12.499
2039	19392	577.529	23.836	553.693	2.855	95.873	412.930	12.298	0.508	11.790

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	546828.708	315222.5	14.594	36.567	593.003	236.673	150.130	86.543

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.145	50.230	0.187	0.425	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.012	108.359	0.364	0.818	418.406	186.148	184.625	1.523
1994	29804	13355.662	13183.396	172.266	0.578	1.290	412.601	184.893	182.509	2.385
1995	29755	13397.439	13141.463	255.977	0.860	1.911	405.540	182.598	179.109	3.489
1996	30900	13960.356	13602.492	357.864	1.158	2.563	415.680	187.801	182.987	4.814
1997	31128	14109.552	13641.317	468.235	1.504	3.319	412.949	187.180	180.968	6.212
1998	32096	14599.657	13986.278	613.379	1.911	4.201	419.803	190.958	182.935	8.023
1999	34616	15728.102	14931.134	796.968	2.302	5.067	446.673	202.950	192.666	10.284
2000	34299	15579.803	14630.840	948.963	2.767	6.091	437.088	198.541	186.448	12.093
2001	34592	15696.614	14552.133	1144.481	3.309	7.291	435.935	197.812	183.389	14.423
2002	34291	15519.777	14189.849	1329.929	3.878	8.569	427.910	193.668	177.072	16.596
2003	35074	15888.389	14314.968	1573.421	4.486	9.903	433.587	196.413	176.962	19.451
2004	33512	15091.573	13381.856	1709.717	5.102	11.329	410.143	184.701	163.777	20.925
2005	35392	15803.656	13759.082	2044.574	5.777	12.937	428.364	191.278	166.532	24.746
2006	33981	15100.563	12921.586	2178.977	6.412	14.430	407.699	181.174	155.031	26.143
2007	34000	14974.384	12561.823	2412.561	7.096	16.111	403.863	177.871	149.214	28.657
2008	37425	16406.197	13509.806	2896.392	7.739	17.654	439.732	192.768	158.736	34.032
2009	36826	16083.194	12934.878	3148.316	8.549	19.575	427.825	186.846	150.270	36.575
2010	36788	15927.400	12550.530	3376.870	9.179	21.202	422.489	182.917	144.136	38.781
2011	37636	16221.836	12468.675	3753.161	9.972	23.136	428.164	184.547	141.849	42.698
2012	38265	16358.849	12260.299	4098.550	10.711	25.054	430.867	184.202	138.052	46.150
2013	40112	16994.822	12388.204	4606.619	11.484	27.106	446.821	189.311	137.996	51.315
2014	40084	16855.093	11936.944	4918.150	12.270	29.179	441.613	185.696	131.511	54.184
2015	42200	17572.483	12156.240	5416.243	12.835	30.822	519.788	216.445	149.732	66.713
2016	42606	17579.955	11763.821	5816.134	13.651	33.084	519.788	214.473	143.517	70.956
2017	44364	18080.688	11697.274	6383.414	14.389	35.305	536.117	218.496	141.356	77.140
2018	45359	18209.262	11417.165	6792.097	14.974	37.300	542.932	217.960	136.660	81.299
2019	46876	18648.302	11285.049	7363.253	15.708	39.485	555.657	221.054	133.771	87.283
2020	48331	19002.597	11147.499	7855.098	16.253	41.337	649.239	255.266	149.747	105.519
2021	48338	18885.717	10646.947	8238.770	17.044	43.624	644.660	251.867	141.992	109.875
2022	49708	19235.076	10439.060	8796.016	17.696	45.729	657.895	254.582	138.164	116.418
2023	51083	19521.158	10214.566	9306.593	18.219	47.674	670.849	256.363	134.143	122.219
2024	52397	19918.620	9992.114	9926.505	18.945	49.835	682.854	259.583	130.219	129.364
2025	53387	20150.545	9724.258	10426.29	19.530	51.742	803.004	303.086	146.263	156.823
2026	54232	20393.792	9409.085	10984.71	20.255	53.863	812.615	305.582	140.986	164.596
2027	55049	20615.351	9073.703	11541.65	20.966	55.986	821.568	307.668	135.418	172.250
2028	55809	20731.894	8693.897	12038.00	21.570	58.065	829.419	308.115	129.208	178.907
2029	56527	20781.967	8299.552	12482.41	22.082	60.064	836.392	307.495	122.802	184.693
2030	56756	20753.201	7917.254	12835.95	22.616	61.850	994.067	363.487	138.669	224.819
2031	58288	21048.417	7774.361	13274.06	22.773	63.064	1019.54	368.165	135.984	232.181
2032	58782	21169.329	7423.578	13745.75	23.384	64.932	1026.18	369.560	129.596	239.964
2033	59236	21109.293	7038.600	14070.69	23.754	66.656	1031.59	367.618	122.577	245.041
2034	59614	21109.429	6654.085	14455.34	24.248	68.478	1035.33	366.613	115.563	251.049
2035	58938	20794.840	6269.427	14525.41	24.645	69.851	1253.51	442.268	133.339	308.929
2036	56014	19354.577	5552.039	13802.54	24.641	71.314	1193.11	412.258	118.260	293.998
2037	55953	19064.169	5110.514	13953.66	24.938	73.193	1192.72	406.385	108.939	297.446
2038	55859	18854.812	4748.610	14106.20	25.253	74.815	1190.66	401.900	101.219	300.681
2039	55757	18437.457	4333.881	14103.58	25.295	76.494	1187.28	392.602	92.284	300.317

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9149342	2946250.006	1936912.069	1009338	11.032	34.258	2499.71	808.881	529.188	279.693

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198533	60494.150	60022.559	471.590	0.238	0.780	2829.84	862.271	855.547	6.724
1993	202515	62694.848	61777.166	917.681	0.453	1.464	2845.86	881.034	868.130	12.904
1994	200665	63202.598	61752.722	1449.876	0.723	2.294	2777.91	874.966	854.875	20.091
1995	201036	63766.862	61672.334	2094.528	1.042	3.285	2739.86	869.097	840.515	28.583
1996	201202	64591.163	61721.051	2870.111	1.426	4.444	2706.47	868.908	830.239	38.669
1997	198673	64686.912	61092.136	3594.776	1.809	5.557	2635.34	858.147	810.368	47.779
1998	197623	65295.961	60861.444	4434.517	2.244	6.791	2584.42	854.046	795.917	58.129
1999	211404	67327.521	61596.590	5730.931	2.711	8.512	2727.28	868.771	794.646	74.125
2000	208596	67596.897	60920.724	6676.172	3.201	9.876	2657.46	861.419	776.112	85.308
2001	203735	67008.811	59331.120	7677.691	3.768	11.458	2566.52	844.458	747.415	97.044
2002	200990	67067.744	58274.569	8793.174	4.375	13.111	2506.90	836.925	726.843	110.082
2003	196551	66756.217	56955.382	9800.835	4.986	14.682	2428.32	825.244	703.662	121.582
2004	188395	65058.725	54405.061	10653.66	5.655	16.375	2304.03	796.234	665.361	130.873
2005	186695	65214.724	53411.563	11803.16	6.322	18.099	2257.68	789.321	645.900	143.421
2006	180408	63771.146	51095.218	12675.93	7.026	19.877	2162.29	765.117	612.406	152.711
2007	176008	63110.718	49539.041	13571.68	7.711	21.505	2088.20	749.650	587.742	161.908
2008	177996	63718.624	48851.249	14867.38	8.353	23.333	2088.54	748.674	573.204	175.470
2009	173280	62794.698	47089.537	15705.16	9.063	25.010	2009.95	729.515	546.210	183.305
2010	171019	61917.074	45330.716	16586.36	9.699	26.788	1960.61	711.083	519.683	191.400
2011	170900	61680.114	43910.970	17769.14	10.397	28.809	1940.41	701.700	498.568	203.132
2012	172089	62023.127	42941.595	19081.53	11.088	30.765	1933.50	698.386	482.467	215.919
2013	173449	62037.765	41772.369	20265.40	11.684	32.666	1927.41	691.059	464.186	226.873
2014	175006	61921.017	40354.260	21566.76	12.323	34.829	1922.90	682.195	443.399	238.796
2015	178296	61856.204	39180.572	22675.63	12.718	36.659	2188.87	761.899	481.005	280.894
2016	177882	60464.119	36891.055	23573.06	13.252	38.987	2162.31	737.655	448.442	289.213
2017	180451	60243.839	35470.112	24773.73	13.729	41.122	2172.09	728.017	426.954	301.063
2018	178390	60713.327	34853.176	25860.15	14.496	42.594	2126.17	726.721	415.404	311.317
2019	180585	61148.172	33894.187	27253.98	15.092	44.570	2130.77	724.841	399.926	324.915
2020	181959	61149.317	32926.018	28223.30	15.511	46.155	2430.62	821.432	439.828	381.604
2021	179704	58727.786	30081.723	28646.06	15.941	48.778	2382.20	783.216	398.771	384.445
2022	181130	58848.802	29017.429	29831.37	16.470	50.692	2381.91	778.881	381.586	397.294
2023	182501	58816.149	27943.249	30872.90	16.917	52.491	2380.28	772.407	364.452	407.955
2024	183613	58955.232	26870.911	32084.32	17.474	54.421	2375.44	768.316	347.635	420.681
2025	182564	58297.744	25695.092	32602.65	17.858	55.924	2721.98	876.861	383.108	493.754
2026	182610	56469.971	23632.960	32837.01	17.982	58.150	2710.95	846.150	350.844	495.306
2027	182053	56209.427	22455.332	33754.09	18.541	60.051	2690.50	838.883	331.860	507.023
2028	181335	55733.105	21216.831	34516.27	19.035	61.931	2667.31	828.298	312.084	516.214
2029	180521	55145.838	19971.939	35173.90	19.485	63.783	2642.22	815.951	292.321	523.629
2030	176430	53615.097	18720.640	34894.46	19.778	65.083	3050.61	939.056	323.695	615.361
2031	178044	52046.561	17487.435	34559.13	19.410	66.400	3072.49	910.364	301.780	608.584
2032	176599	51582.636	16462.843	35119.79	19.887	68.085	3039.79	900.496	283.374	617.122
2033	175097	50839.758	15425.246	35414.51	20.226	69.659	3004.79	885.375	264.708	620.666
2034	173450	50215.451	14406.911	35808.54	20.645	71.310	2966.57	872.104	246.406	625.698
2035	166216	47773.075	13306.509	34466.57	20.736	72.146	3472.11	1016.05	277.962	738.083
2036	159856	43298.709	11339.186	31959.52	19.993	73.812	3341.93	922.274	237.057	685.218
2037	157291	42241.563	10342.288	31899.28	20.280	75.516	3288.74	900.450	216.243	684.207
2038	154735	41356.353	9546.340	31810.01	20.558	76.917	3233.10	881.531	199.465	682.066
2039	152250	40161.050	8659.865	31501.19	20.690	78.437	3175.95	855.178	180.645	674.532

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2344154	1580465.217	1138588.471	441876.7	18.850	27.959	640.452	433.910	311.077	122.834

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.527	93.880	0.207	0.286	647.451	467.274	465.935	1.339
1993	46292	33491.183	33305.726	185.457	0.401	0.554	650.518	470.643	468.032	2.611
1994	47019	34074.347	33773.868	300.479	0.639	0.882	650.904	471.719	467.549	4.170
1995	47843	34694.454	34241.501	452.953	0.947	1.306	652.042	472.861	466.668	6.193
1996	48250	35027.269	34400.678	626.591	1.299	1.789	649.027	471.202	462.740	8.462
1997	49044	35590.763	34757.160	833.602	1.700	2.342	650.551	472.153	461.043	11.110
1998	49699	36100.785	35022.476	1078.309	2.170	2.987	649.941	472.184	458.007	14.177
1999	48901	35451.030	34151.724	1299.306	2.657	3.665	630.861	457.448	440.585	16.863
2000	50356	36447.986	34821.645	1626.341	3.230	4.462	641.521	464.474	443.617	20.857
2001	50422	36411.326	34452.878	1958.449	3.884	5.379	635.181	458.863	434.015	24.848
2002	51488	37078.545	34707.377	2371.168	4.605	6.395	642.191	462.696	432.896	29.800
2003	51461	36999.876	34234.412	2765.464	5.374	7.474	635.783	457.395	422.953	34.441
2004	51464	36861.555	33658.191	3203.364	6.224	8.690	629.393	451.138	411.632	39.506
2005	51499	36689.529	33022.177	3667.352	7.121	9.996	622.768	444.069	399.333	44.735
2006	51447	36504.774	32349.509	4155.265	8.077	11.383	616.618	437.979	387.728	50.251
2007	51947	36663.202	31926.369	4736.833	9.119	12.920	616.309	435.498	378.782	56.716
2008	51098	35898.803	30724.168	5174.635	10.127	14.415	599.571	421.800	360.507	61.293
2009	51334	35934.525	30133.508	5801.017	11.301	16.143	595.437	417.468	349.530	67.938
2010	51011	35502.829	29187.177	6315.652	12.381	17.789	584.801	407.730	334.609	73.121
2011	50685	35136.342	28220.501	6915.841	13.645	19.683	575.478	399.726	320.417	79.309
2012	51444	35450.201	27787.507	7662.693	14.895	21.615	577.997	399.173	312.205	86.968
2013	51290	35123.224	26802.777	8320.447	16.222	23.689	569.944	391.249	297.840	93.409
2014	51496	35079.370	26054.366	9025.004	17.526	25.727	565.821	386.476	286.277	100.199
2015	50709	34324.171	24835.828	9488.343	18.711	27.643	622.539	422.780	304.900	117.880
2016	49137	33054.753	23158.844	9895.909	20.140	29.938	597.298	403.264	281.515	121.749
2017	48631	32471.234	21992.164	10479.07	21.548	32.272	585.375	392.399	264.720	127.679
2018	50813	33657.595	21938.333	11719.26	23.064	34.819	605.620	402.871	261.476	141.396
2019	51418	33863.424	21258.770	12604.65	24.514	37.222	606.697	401.412	250.837	150.575
2020	51863	33910.830	20567.933	13342.90	25.727	39.347	692.784	455.532	274.748	180.784
2021	48460	31531.880	18327.948	13203.93	27.247	41.875	642.397	420.521	242.960	177.561
2022	48793	31560.212	17577.828	13982.38	28.657	44.304	641.635	417.708	231.153	186.556
2023	49092	31508.781	16817.413	14691.37	29.926	46.626	640.293	413.791	219.342	194.449
2024	49314	31517.293	16050.004	15467.29	31.365	49.076	637.985	410.740	207.643	203.097
2025	49043	31175.389	15227.439	15947.95	32.518	51.156	731.225	468.912	227.037	241.874
2026	45894	29044.598	13519.014	15525.58	33.829	53.454	681.323	435.206	200.697	234.509
2027	45711	28825.765	12732.708	16093.06	35.206	55.829	675.542	430.203	188.173	242.030
2028	45478	28513.846	11926.615	16587.23	36.473	58.173	668.952	423.769	175.432	248.338
2029	45209	28148.109	11121.393	17026.72	37.662	60.490	661.711	416.486	162.779	253.707
2030	44093	27314.475	10312.404	17002.07	38.559	62.246	762.408	478.407	178.310	300.097
2031	41453	25423.102	9232.382	16190.72	39.058	63.685	715.351	444.684	159.323	285.361
2032	41061	25085.902	8591.048	16494.85	40.171	65.753	706.783	437.933	147.877	290.056
2033	40649	24645.067	7964.174	16680.89	41.037	67.685	697.559	429.194	136.671	292.523
2034	40200	24239.126	7355.298	16883.83	41.999	69.655	687.561	420.967	125.800	295.167
2035	38268	22944.147	6689.085	16255.06	42.476	70.846	799.397	487.980	139.730	348.250
2036	33739	19950.581	5462.727	14487.85	42.941	72.619	705.344	424.953	114.204	310.749
2037	33172	19415.334	4932.344	14482.99	43.660	74.596	693.587	413.871	103.129	310.742
2038	32606	18939.317	4515.517	14423.80	44.236	76.158	681.288	403.701	94.349	309.352
2039	32054	18379.752	4063.152	14316.60	44.663	77.893	668.658	391.373	84.758	306.615

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3261907	398833.796	197249.685	201584.1	6.180	50.543	891.194	109.498	53.891	55.607

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.627	250.617	0.267	1.979	1335.88	180.485	176.912	3.573
1993	93680	12730.613	12252.195	478.418	0.511	3.758	1316.45	178.900	172.175	6.725
1994	90835	12495.323	11750.022	745.301	0.820	5.965	1257.48	172.983	162.662	10.321
1995	89704	12365.590	11312.054	1053.536	1.174	8.520	1222.55	168.534	154.169	14.366
1996	88296	12290.551	10853.584	1436.967	1.627	11.692	1187.71	165.338	145.997	19.341
1997	84792	11719.531	9988.118	1731.414	2.042	14.774	1124.73	155.473	132.489	22.984
1998	82538	11416.794	9342.965	2073.829	2.513	18.165	1079.39	149.327	122.183	27.144
1999	93972	13028.038	10171.392	2856.647	3.040	21.927	1212.32	168.109	131.219	36.890
2000	90082	12426.299	9235.034	3191.265	3.543	25.682	1147.62	158.354	117.652	40.703
2001	86173	11939.281	8340.104	3599.178	4.177	30.146	1085.55	150.461	105.063	45.398
2002	83081	11528.794	7532.803	3995.991	4.810	34.661	1036.24	143.865	93.955	49.911
2003	79382	11048.407	6751.607	4296.799	5.413	38.891	980.733	136.581	83.414	53.167
2004	73953	10375.132	5874.300	4500.832	6.086	43.381	904.423	126.978	71.841	55.137
2005	71756	10051.029	5273.303	4777.727	6.658	47.535	867.733	121.652	63.769	57.882
2006	67670	9542.523	4586.926	4955.598	7.323	51.932	811.067	114.490	54.977	59.513
2007	63634	8936.533	3942.963	4993.570	7.847	55.878	754.965	106.151	46.780	59.371
2008	63321	8944.180	3612.263	5331.917	8.420	59.613	742.987	105.091	42.385	62.706
2009	59910	8390.033	3120.551	5269.483	8.796	62.806	694.915	97.471	36.196	61.274
2010	58187	8157.570	2777.364	5380.205	9.246	65.954	667.067	93.685	31.840	61.845
2011	57566	8035.356	2482.030	5553.326	9.647	69.111	653.612	91.414	28.181	63.233
2012	57632	7970.766	2222.355	5748.411	9.974	72.119	647.519	89.752	24.969	64.782
2013	57312	7743.216	1975.366	5767.850	10.064	74.489	636.866	86.254	21.951	64.303
2014	57810	7774.935	1792.667	5982.268	10.348	76.943	635.202	85.658	19.697	65.961
2015	58700	7722.535	1644.254	6078.281	10.355	78.708	720.643	95.120	20.186	74.935
2016	58994	7600.353	1461.742	6138.611	10.405	80.767	717.128	92.723	17.769	74.955
2017	59374	7470.266	1304.815	6165.451	10.384	82.533	714.685	90.274	15.706	74.568
2018	56460	6907.050	1093.774	5813.277	10.296	84.164	672.928	82.675	13.036	69.639
2019	56301	6732.046	973.139	5758.907	10.229	85.545	664.315	79.801	11.482	68.318
2020	55763	6429.836	861.439	5568.397	9.986	86.602	744.888	86.373	11.507	74.866
2021	56783	6562.016	783.409	5778.606	10.177	88.061	752.726	87.513	10.385	77.128
2022	56351	6352.366	695.016	5657.350	10.040	89.059	741.024	84.075	9.140	74.936
2023	55895	6134.123	620.446	5513.677	9.864	89.885	729.015	80.557	8.092	72.465
2024	55360	5922.193	551.961	5370.232	9.701	90.680	716.205	77.179	7.141	70.038
2025	53916	5504.188	483.795	5020.393	9.311	91.210	803.881	82.789	7.213	75.576
2026	55963	5641.075	456.610	5184.466	9.264	91.906	830.794	84.526	6.779	77.748
2027	54913	5426.216	409.655	5016.560	9.136	92.450	811.536	80.982	6.054	74.928
2028	53832	5197.830	365.664	4832.166	8.976	92.965	791.835	77.249	5.379	71.871
2029	52744	4973.547	328.175	4645.372	8.807	93.402	771.992	73.590	4.803	68.786
2030	50270	4450.618	280.928	4169.690	8.295	93.688	869.206	77.952	4.857	73.094
2031	52866	4555.052	272.398	4282.655	8.101	94.020	912.299	79.674	4.701	74.973
2032	51580	4349.999	244.692	4105.307	7.959	94.375	887.849	75.939	4.212	71.728
2033	50306	4147.948	223.464	3924.484	7.801	94.613	863.294	72.237	3.835	68.402
2034	49023	3966.133	203.431	3762.702	7.675	94.871	838.454	68.881	3.479	65.401
2035	45469	3289.064	164.120	3124.944	6.873	95.010	949.804	69.952	3.428	66.524
2036	47381	3313.192	155.409	3157.783	6.665	95.309	990.547	70.572	3.249	67.323
2037	45883	3117.951	138.368	2979.583	6.494	95.562	959.360	66.464	2.893	63.571
2038	44427	2949.775	126.827	2822.948	6.354	95.700	928.279	62.876	2.650	60.226
2039	43028	2766.312	115.595	2650.717	6.161	95.821	897.558	58.905	2.411	56.494

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1361613	104899.750	50816.330	54083.42	3.972	51.557	372.010	28.800	13.884	14.916

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.216	76.908	0.236	2.390	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.047	145.634	0.444	4.513	460.482	45.344	43.297	2.047
1994	33006	3277.266	3044.977	232.289	0.704	7.088	456.920	45.370	42.153	3.217
1995	33732	3309.378	2976.440	332.938	0.987	10.060	459.725	45.104	40.565	4.539
1996	33754	3312.987	2862.753	450.234	1.334	13.590	454.035	44.568	38.508	6.060
1997	33705	3267.066	2703.111	563.955	1.673	17.262	447.080	43.341	35.856	7.486
1998	33282	3178.725	2506.071	672.654	2.021	21.161	435.246	41.577	32.773	8.803
1999	33902	3120.351	2336.885	783.467	2.311	25.108	437.368	40.264	30.148	10.116
2000	33842	3142.808	2225.931	916.877	2.709	29.174	431.143	40.050	28.358	11.693
2001	32526	2961.588	1976.468	985.120	3.029	33.263	409.736	37.323	24.898	12.424
2002	32103	2940.627	1832.686	1107.941	3.451	37.677	400.409	36.695	22.859	13.837
2003	30598	2819.545	1639.378	1180.167	3.857	41.857	378.022	34.855	20.254	14.601
2004	29423	2730.466	1473.391	1257.075	4.272	46.039	359.838	33.417	18.019	15.398
2005	27994	2670.510	1335.602	1334.908	4.769	49.987	338.530	32.322	16.151	16.171
2006	27248	2623.285	1213.273	1410.012	5.175	53.750	326.579	31.474	14.542	16.932
2007	26355	2536.599	1080.662	1455.937	5.524	57.397	312.677	30.131	12.821	17.309
2008	26058	2469.443	971.035	1498.409	5.750	60.678	305.759	29.015	11.394	17.621
2009	25107	2386.945	863.384	1523.561	6.068	63.829	291.223	27.730	10.015	17.716
2010	24915	2329.274	774.635	1554.639	6.240	66.744	285.635	26.750	8.881	17.870
2011	24877	2286.581	694.017	1592.564	6.402	69.648	282.451	26.013	7.880	18.133
2012	24594	2243.311	621.112	1622.199	6.596	72.313	276.319	25.260	6.978	18.281
2013	24555	2176.503	549.437	1627.067	6.626	74.756	272.864	24.245	6.105	18.139
2014	25416	2211.619	509.938	1701.681	6.695	76.943	279.259	24.366	5.603	18.763
2015	26454	2237.016	476.360	1760.656	6.656	78.706	324.766	27.554	5.848	21.706
2016	26889	2229.057	434.722	1794.335	6.673	80.497	326.856	27.194	5.284	21.910
2017	27790	2221.649	397.548	1824.101	6.564	82.106	334.514	26.848	4.785	22.062
2018	25431	1939.420	320.071	1619.349	6.368	83.497	303.100	23.214	3.815	19.399
2019	25621	1904.400	286.833	1617.567	6.313	84.938	302.311	22.574	3.384	19.190
2020	25589	1806.054	251.959	1554.095	6.073	86.049	341.822	24.261	3.366	20.895
2021	25677	1748.172	223.256	1524.917	5.939	87.229	340.380	23.314	2.960	20.355
2022	25786	1701.148	199.807	1501.341	5.822	88.255	339.093	22.515	2.628	19.888
2023	25886	1652.087	179.673	1472.413	5.688	89.124	337.626	21.696	2.343	19.353
2024	25944	1597.127	160.260	1436.866	5.538	89.966	335.646	20.814	2.073	18.741
2025	25564	1467.622	138.058	1329.564	5.201	90.593	381.148	22.075	2.058	20.016
2026	25809	1390.505	121.803	1268.702	4.916	91.240	383.146	20.835	1.808	19.027
2027	25611	1342.095	109.115	1232.981	4.814	91.870	378.494	20.030	1.613	18.417
2028	25387	1289.536	97.925	1191.611	4.694	92.406	373.422	19.165	1.440	17.725
2029	25150	1242.216	88.059	1154.157	4.589	92.911	368.113	18.380	1.289	17.091
2030	24358	1096.803	73.257	1023.546	4.202	93.321	421.177	19.210	1.267	17.944
2031	24388	1019.991	64.166	955.825	3.919	93.709	420.855	17.841	1.107	16.734
2032	24057	977.406	57.559	919.847	3.824	94.111	414.098	17.063	0.991	16.072
2033	23718	937.450	52.516	884.934	3.731	94.398	407.019	16.326	0.901	15.424
2034	23354	900.763	47.746	853.017	3.653	94.699	399.433	15.644	0.817	14.827
2035	22219	745.023	37.665	707.358	3.184	94.944	464.130	15.845	0.787	15.058
2036	21395	680.360	32.132	648.227	3.030	95.277	447.284	14.492	0.672	13.820
2037	20898	644.109	28.886	615.223	2.944	95.515	436.940	13.730	0.604	13.126
2038	20400	612.448	26.592	585.856	2.872	95.658	426.241	13.055	0.556	12.499
2039	19910	577.529	24.340	553.190	2.778	95.786	415.324	12.298	0.508	11.790

Results for PHIM for Run 8 (Sensitivity_Analysis_3.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2181667	862051.244	550257.583	311793.7	14.292	36.169	596.059	236.673	150.337	86.336

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.189	50.185	0.187	0.424	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.198	108.173	0.363	0.817	418.408	186.148	184.626	1.522
1994	29805	13355.662	13183.855	171.806	0.576	1.286	412.606	184.893	182.511	2.383
1995	29757	13397.439	13142.340	255.100	0.857	1.904	405.549	182.598	179.113	3.484
1996	30903	13960.356	13604.036	356.319	1.153	2.552	415.697	187.801	182.994	4.806
1997	31133	14109.552	13643.748	465.805	1.496	3.301	412.976	187.180	180.980	6.200
1998	32104	14599.657	13989.931	609.726	1.899	4.176	419.844	190.958	182.954	8.004
1999	34629	15728.102	14936.590	791.512	2.286	5.032	446.736	202.950	192.694	10.256
2000	34316	15579.803	14638.114	941.689	2.744	6.044	437.174	198.541	186.485	12.056
2001	34614	15696.614	14561.670	1134.944	3.279	7.231	436.050	197.812	183.438	14.373
2002	34319	15519.777	14201.703	1318.075	3.841	8.493	428.057	193.668	177.134	16.534
2003	35111	15888.389	14329.984	1558.405	4.439	9.808	433.778	196.413	177.042	19.372
2004	33555	15091.573	13399.180	1692.393	5.044	11.214	410.371	184.701	163.869	20.832
2005	35447	15803.656	13780.481	2023.174	5.708	12.802	428.652	191.278	166.646	24.632
2006	34043	15100.563	12945.511	2155.052	6.330	14.271	408.029	181.174	155.159	26.015
2007	34073	14974.384	12589.046	2385.338	7.001	15.929	404.249	177.871	149.359	28.512
2008	37518	16406.197	13543.783	2862.415	7.629	17.447	440.224	192.768	158.918	33.850
2009	36931	16083.194	12972.094	3111.100	8.424	19.344	428.373	186.846	150.468	36.378
2010	36907	15927.400	12591.539	3335.861	9.039	20.944	423.106	182.917	144.353	38.565
2011	37772	16221.836	12514.422	3707.414	9.815	22.854	428.866	184.547	142.089	42.457
2012	38420	16358.849	12310.621	4048.229	10.537	24.746	431.662	184.202	138.315	45.887
2013	40292	16994.822	12444.790	4550.033	11.293	26.773	447.740	189.311	138.290	51.021
2014	40283	16855.093	11997.289	4857.804	12.059	28.821	442.619	185.696	131.822	53.873
2015	42432	17572.483	12224.131	5348.352	12.605	30.436	520.922	216.445	150.071	66.374
2016	42862	17579.955	11835.747	5744.208	13.402	32.675	521.025	214.473	143.873	70.600
2017	44656	18080.688	11775.585	6305.104	14.119	34.872	537.521	218.496	141.743	76.753
2018	45686	18209.262	11500.997	6708.265	14.683	36.840	544.520	217.960	137.077	80.883
2019	47244	18648.302	11375.445	7272.857	15.394	39.000	557.444	221.054	134.222	86.833
2020	48744	19002.597	11244.687	7757.910	15.916	40.826	651.130	255.266	150.207	105.059
2021	48785	18885.717	10747.109	8138.608	16.683	43.094	646.701	251.867	142.466	109.401
2022	50201	19235.076	10544.779	8690.298	17.311	45.179	660.158	254.582	138.666	115.915
2023	51627	19521.158	10325.717	9195.441	17.811	47.105	673.351	256.363	134.674	121.689
2024	52995	19918.620	10108.686	9809.933	18.511	49.250	685.609	259.583	130.778	128.805
2025	54040	20150.545	9845.801	10304.74	19.069	51.139	805.728	303.086	146.799	156.287
2026	54945	20393.792	9535.533	10858.26	19.762	53.243	815.685	305.582	141.560	164.022
2027	55819	20615.351	9203.854	11411.50	20.444	55.354	824.932	307.668	136.021	171.648
2028	56638	20731.894	8826.628	11905.27	21.020	57.425	833.097	308.115	129.833	178.282
2029	57418	20781.967	8434.312	12347.66	21.505	59.415	840.402	307.495	123.450	184.045
2030	57708	20753.201	8054.050	12699.15	22.006	61.191	997.817	363.487	139.261	224.227
2031	59337	21048.417	7918.489	13129.93	22.128	62.380	1023.98	368.165	136.649	231.516
2032	59900	21169.329	7569.544	13599.79	22.704	64.243	1031.06	369.560	130.294	239.266
2033	60424	21109.293	7185.092	13924.20	23.044	65.962	1036.91	367.618	123.301	244.317
2034	60872	21109.429	6800.436	14308.99	23.507	67.785	1041.12	366.613	116.310	250.302
2035	60260	20794.840	6415.638	14379.20	23.862	69.148	1258.78	442.268	134.018	308.251
2036	57341	19354.577	5688.918	13665.66	23.832	70.607	1198.76	412.258	118.932	293.325
2037	57338	19064.169	5242.690	13821.48	24.105	72.500	1198.85	406.385	109.618	296.767
2038	57302	18854.812	4877.403	13977.41	24.393	74.132	1197.29	401.900	101.910	299.989
2039	57258	18437.457	4456.779	13980.68	24.417	75.828	1194.41	392.602	92.969	299.633

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

Estimated Loss of Life from the E Component for Run: 2, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	25222093.974	16871454.0
	Female	2039	23817891.273	15034794.732	8783096.54
Lung cancer	Males	2039	18222549.860	13818803.512	4403746.35
	Female	2039	12512468.845	9045245.311	3467223.53
IHD	Males	2039	15635992.616	6553329.785	9082662.83
	Female	2039	4798769.065	2076650.696	2722118.37
Stroke	Males	2039	2389546.238	1150707.608	1238838.63
	Female	2039	1665361.569	850177.008	815184.561
COPD	Males	2039	5845459.234	3699253.069	2146206.16
	Female	2039	4841291.793	3062721.717	1778570.08

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	25325320.782	16768227.2
	Female	2039	23817891.273	15073095.863	8744795.41
Lung cancer	Males	2039	18222549.860	13881378.078	4341171.78
	Female	2039	12512468.845	9069019.807	3443449.04
IHD	Males	2039	15635992.616	6566409.689	9069582.93
	Female	2039	4798769.065	2078791.192	2719977.87
Stroke	Males	2039	2389546.238	1153109.802	1236436.44
	Female	2039	1665361.569	850914.940	814446.629
COPD	Males	2039	5845459.234	3724423.214	2121036.02
	Female	2039	4841291.793	3074369.924	1766921.87

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798442.201	32241.630
		1993	5076567.803	5000988.765	75579.038
		1994	6292145.526	6150098.595	142046.931
		1995	7485537.010	7250426.326	235110.683
		1996	8655955.028	8299988.150	355966.877
		1997	9791729.713	9288344.237	503385.476
		1998	10899134.186	10223186.682	675947.504
		1999	12070409.674	11163922.373	906487.302
		2000	13231384.595	12064395.542	1166989.05
		2001	14371761.018	12914872.798	1456888.22
		2002	15508906.386	13728007.590	1780898.80
		2003	16638100.422	14504118.007	2133982.42
		2004	17736465.088	15232831.900	2503633.19
		2005	18834658.606	15935752.789	2898905.82
		2006	19909100.501	16592968.037	3316132.46
		2007	20958321.463	17212243.249	3746078.21
		2008	22000068.148	17807940.686	4192127.46
		2009	23018816.903	18371400.994	4647415.91
		2010	24018480.537	18904280.245	5114200.29
		2011	25003034.574	19410258.013	5592776.56
		2012	25969871.429	19888100.484	6081770.95
		2013	26920275.180	20339955.986	6580319.19
		2014	27849005.227	20764176.782	7084828.45
		2015	28749620.400	21164113.395	7585507.01
		2016	29622417.562	21531359.086	8091058.48
		2017	30462559.724	21868524.915	8594034.81
		2018	31293299.299	22193502.398	9099796.90
		2019	32109993.427	22501533.064	9608460.36
		2020	32883323.977	22788406.018	10094918.0
		2021	33610102.554	23038800.748	10571301.8
		2022	34322010.448	23274680.021	11047330.4
		2023	35018383.550	23496156.739	11522226.8
		2024	35700177.955	23704578.347	11995599.6
		2025	36315500.346	23892542.946	12422957.4
		2026	36896159.343	24054477.056	12841682.3
		2027	37462570.116	24206209.006	13256361.1
		2028	38015337.780	24347860.477	13667477.3
		2029	38554814.764	24480897.475	14073917.3
		2030	39003805.400	24593878.656	14409926.7
		2031	39436509.703	24692338.233	14744171.5
2032	39858470.458	24784685.233	15073785.2		
2033	40270147.082	24870672.983	15399474.1		
2034	40672665.743	24951899.658	15720766.1		
2035	40962732.664	25012705.491	15950027.2		
2036	41255021.653	25069367.256	16185654.4		
2037	41540573.023	25123094.872	16417478.2		
2038	41820158.066	25173677.877	16646480.2		
2039	42093547.949	25222093.974	16871454.0		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.280	2964.972
		1992	1777346.679	1766098.723	11247.956
		1993	2380261.899	2353274.648	26987.251
		1994	2983130.039	2931355.451	51774.588
		1995	3588982.584	3502036.763	86945.821
		1996	4195430.235	4060723.304	134706.930
		1997	4793866.694	4600959.220	192907.474
		1998	5389747.381	5127002.291	262745.090
		1999	6006722.467	5653499.504	353222.963
		2000	6625758.871	6169227.205	456531.666
		2001	7245135.411	6670263.571	574871.840
		2002	7867492.021	7158751.763	708740.258
		2003	8485051.793	7629912.496	855139.297
		2004	9092994.774	8080330.768	1012664.01
		2005	9706032.803	8521300.542	1184732.26
		2006	10311907.548	8943133.199	1368774.35
		2007	10909437.502	9347899.812	1561537.69
		2008	11506462.491	9737571.185	1768891.31
		2009	12098393.287	10113944.951	1984448.34
		2010	12681188.981	10472348.150	2208840.83

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

		2011	13260062.991	10815816.590	2444246.40
		2012	13839417.441	11147050.543	2692366.90
		2013	14409614.758	11462814.144	2946800.61
		2014	14976658.746	11763641.482	3213017.26
		2015	15529977.821	12047894.960	3482082.86
		2016	16066640.764	12311880.743	3754760.02
		2017	16590035.078	12559261.778	4030773.30
		2018	17098716.137	12793567.692	4305148.45
		2019	17599868.850	13015450.841	4584418.01
		2020	18081346.241	13223347.291	4857998.95
		2021	18537594.460	13411087.072	5126507.39
		2022	18985300.234	13587890.825	5397409.41
		2023	19423958.747	13754256.446	5669702.30
		2024	19853347.772	13910033.062	5943314.71
		2025	20252822.245	14052425.632	6200396.61
		2026	20619307.063	14176335.859	6442971.20
		2027	20976063.406	14291747.483	6684315.92
		2028	21323641.947	14399731.243	6923910.70
		2029	21662117.106	14500169.443	7161947.66
		2030	21960971.694	14588134.853	7372836.84
		2031	22224951.983	14660668.532	7564283.45
		2032	22480397.853	14727731.211	7752666.64
		2033	22728639.455	14790359.395	7938280.06
		2034	22970448.888	14848573.197	8121875.69
		2035	23164154.188	14895193.641	8268960.55
		2036	23334538.616	14933406.753	8401131.86
		2037	23499760.723	14969141.140	8530619.58
		2038	23660308.401	15002823.638	8657484.76
		2039	23817891.273	15034794.732	8783096.54
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747589.217	2445.675
		1993	2319752.308	2313797.402	5954.906
		1994	2872597.339	2861056.759	11540.580
		1995	3411494.825	3391864.439	19630.386
		1996	3945569.726	3914548.390	31021.336
		1997	4463316.362	4417625.050	45691.312
		1998	4975301.180	4910967.591	64333.590
		1999	5473691.125	5386519.084	87172.041
		2000	5977500.570	5861785.851	115714.719
		2001	6474795.516	6324892.349	149903.166
		2002	6968769.705	6778339.863	190429.842
		2003	7460282.140	7222172.275	238109.865
		2004	7947048.275	7654297.909	292750.367
		2005	8430571.669	8075710.512	354861.157
		2006	8903945.390	8479711.127	424234.263
		2007	9364177.982	8864076.070	500101.912
		2008	9822525.458	9237439.099	585086.359
		2009	10275228.886	9596927.817	678301.070
		2010	10720275.500	9941271.678	779003.822
		2011	11155356.373	10268568.558	886787.815
		2012	11582611.617	10579593.051	1003018.57
		2013	11998803.791	10872798.916	1126004.87
		2014	12402087.090	11147602.979	1254484.11
		2015	12793451.706	11405793.049	1387658.66
		2016	13160101.653	11638611.408	1521490.24
		2017	13503583.414	11848502.171	1655081.24
		2018	13859755.737	12055875.578	1803880.16
		2019	14211625.176	12252104.126	1959521.05
		2020	14553935.288	12435809.722	2118125.57
		2021	14851747.495	12588356.107	2263391.39
		2022	15144531.004	12731382.392	2413148.61
		2023	15431932.496	12865036.394	2566896.10
		2024	15713920.740	12990002.385	2723918.36
		2025	15979112.816	13103543.307	2875569.51
		2026	16206550.153	13195104.815	3011445.34
		2027	16428826.050	13280209.908	3148616.14
		2028	16645902.186	13359123.887	3286778.30
		2029	16858126.517	13432703.919	3425422.60
		2030	17045220.687	13496137.432	3549083.25
		2031	17208482.610	13547519.087	3660963.52
		2032	17367586.074	13595414.631	3772171.44
		2033	17522716.280	13639839.345	3882876.93
		2034	17674226.555	13681562.296	3992664.26
		2035	17792201.734	13713641.877	4078559.86
		2036	17903508.236	13742151.962	4161356.27
		2037	18012162.345	13769148.422	4243013.92
		2038	18118464.470	13794512.993	4323951.48

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

	Female	2039	18222549.860	13818803.512	4403746.35
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.924	416.494
		1992	931086.773	929437.524	1649.249
		1993	1246155.671	1242095.604	4060.067
		1994	1561212.934	1553219.700	7993.234
		1995	1879967.742	1866046.679	13921.063
		1996	2197488.109	2175360.179	22127.930
		1997	2515698.453	2482661.671	33036.781
		1998	2836249.556	2789258.839	46990.718
		1999	3150201.390	3086226.136	63975.253
		2000	3472722.342	3387690.531	85031.811
		2001	3796994.889	3686506.042	110488.848
		2002	4126619.935	3985526.285	141093.650
		2003	4454982.533	4278543.395	176439.139
		2004	4784343.030	4566998.723	217344.307
		2005	5113443.121	4849550.704	263892.417
		2006	5442543.963	5125610.830	316933.132
		2007	5772441.497	5395886.186	376555.311
		2008	6091911.943	5651076.911	440835.032
		2009	6413671.330	5900821.737	512849.593
		2010	6730763.530	6140392.510	590371.019
		2011	7043614.101	6369546.655	674067.446
		2012	7356270.780	6591264.980	765005.800
		2013	7662551.964	6801322.893	861229.071
		2014	7964551.465	7001334.781	963216.684
		2015	8254895.403	7187719.692	1067175.71
		2016	8530661.848	7357892.829	1172769.02
		2017	8795826.122	7515462.576	1280363.55
		2018	9067233.707	7669346.366	1397887.34
		2019	9335343.270	7814690.329	1520652.94
		2020	9596110.883	7950809.699	1645301.18
		2021	9833186.859	8070042.399	1763144.46
		2022	10066452.037	8181874.485	1884577.55
		2023	10295503.609	8286643.451	2008860.16
		2024	10520125.318	8384282.488	2135842.83
		2025	10731915.863	8473255.406	2258660.46
		2026	10917495.549	8547940.313	2369555.24
		2027	11098620.885	8617155.029	2481465.86
		2028	11275441.234	8681622.381	2593818.85
		2029	11447962.710	8741302.744	2706659.97
		2030	11601867.623	8793273.043	2808594.58
		2031	11731666.516	8834662.701	2897003.82
		2032	11857585.969	8872853.901	2984732.07
		2033	11980128.625	8908451.632	3071676.99
		2034	12099562.464	8941512.175	3158050.29
		2035	12195919.946	8967711.678	3228208.27
		2036	12278201.969	8988821.778	3289380.19
		2037	12358146.336	9008638.725	3349507.61
		2038	12435978.633	9027384.367	3408594.27
		2039	12512468.845	9045245.311	3467223.53
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483230.118	26368.496
		1993	1992735.299	1931328.165	61407.134
		1994	2462877.575	2348336.025	114541.550
		1995	2928249.390	2739806.334	188443.055
		1996	3377377.730	3094184.818	283192.912
		1997	3809062.472	3411702.984	397359.488
		1998	4222213.867	3693142.012	529071.855
		1999	4708317.743	3997684.074	710633.670
		2000	5182084.396	4270357.966	911726.430
		2001	5644097.705	4511549.680	1132548.02
		2002	6107232.129	4730505.728	1376726.40
		2003	6561785.704	4924419.254	1637366.45
		2004	6996156.348	5092049.131	1904107.22
		2005	7426261.361	5242585.504	2183675.86
		2006	7849012.694	5375152.003	2473860.69
		2007	8255300.530	5490339.323	2764961.21
		2008	8650662.040	5592184.697	3058477.34
		2009	9030818.513	5681617.465	3349201.05
		2010	9403026.327	5761788.314	3641238.01
		2011	9767535.506	5833682.382	3933853.12
		2012	10123044.281	5898498.379	4224545.90
		2013	10470104.786	5956986.690	4513118.10
		2014	10807756.112	6010102.722	4797653.39
		2015	11130681.425	6057851.321	5072830.10
		2016	11448966.506	6102010.315	5346956.19

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

		2017	11758164.882	6142746.039	5615418.84
		2018	12054448.241	6179534.801	5874913.44
		2019	12341606.261	6213814.463	6127791.80
		2020	12600728.939	6243573.708	6357155.23
		2021	12861767.105	6272613.175	6589153.93
		2022	13114168.616	6300025.171	6814143.45
		2023	13357894.797	6325816.961	7032077.84
		2024	13593848.521	6350481.734	7243366.79
		2025	13789177.359	6370418.391	7418758.97
		2026	13993401.656	6391160.823	7602240.83
		2027	14190519.224	6411184.183	7779335.04
		2028	14381193.356	6430270.776	7950922.58
		2029	14565171.927	6448732.113	8116439.81
		2030	14697381.605	6461649.093	8235732.51
		2031	14842203.512	6476000.576	8366202.94
		2032	14982485.826	6489993.337	8492492.49
		2033	15118410.647	6503308.269	8615102.38
		2034	15250284.398	6516397.013	8733887.39
		2035	15322911.166	6523206.891	8799704.28
		2036	15405115.031	6531009.258	8874105.77
		2037	15484709.137	6538683.673	8946025.46
		2038	15561812.193	6546087.146	9015725.05
		2039	15635992.616	6553329.785	9082662.83
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.343	1865.120
		1992	439962.920	432981.848	6981.072
		1993	584735.615	568183.318	16552.297
		1994	727640.783	696346.570	31294.213
		1995	868486.937	816772.716	51714.222
		1996	1010321.847	930970.898	79350.949
		1997	1144230.930	1032595.556	111635.374
		1998	1274513.622	1124933.593	149580.029
		1999	1426725.938	1225283.995	201441.943
		2000	1573462.680	1315092.691	258369.988
		2001	1719132.015	1396222.626	322909.389
		2002	1863006.732	1469080.383	393926.349
		2003	2002943.227	1533441.019	469502.208
		2004	2137798.705	1589669.891	548128.814
		2005	2271071.245	1640326.135	630745.110
		2006	2400707.731	1684558.259	716149.472
		2007	2523634.512	1722614.050	801020.463
		2008	2648752.232	1757633.915	891118.317
		2009	2765973.961	1787694.300	978279.661
		2010	2881329.235	1814771.549	1066557.69
		2011	2994972.694	1839110.326	1155862.37
		2012	3108958.829	1861427.227	1247531.60
		2013	3218140.416	1881400.838	1336739.58
		2014	3328387.914	1900061.974	1428325.94
		2015	3435342.796	1917173.350	1518169.45
		2016	3539189.408	1932782.667	1606406.74
		2017	3640041.363	1947071.233	1692970.13
		2018	3732645.362	1959489.715	1773155.65
		2019	3821421.978	1970833.093	1850588.88
		2020	3902115.950	1980734.296	1921381.65
		2021	3984301.053	1990432.920	1993868.13
		2022	4062629.299	1999348.328	2063280.97
		2023	4137348.729	2007652.527	2129696.20
		2024	4208611.493	2015379.249	2193232.24
		2025	4269419.492	2021837.340	2247582.15
		2026	4330969.998	2028286.350	2302683.65
		2027	4389134.306	2034322.075	2354812.23
		2028	4444222.970	2040037.629	2404185.34
		2029	4496447.877	2045482.137	2450965.74
		2030	4536975.698	2049569.295	2487406.40
		2031	4578338.586	2053780.163	2524558.42
		2032	4617397.784	2057796.663	2559601.12
		2033	4654407.697	2061676.959	2592730.74
		2034	4689913.454	2065442.895	2624470.56
		2035	4712518.190	2067678.459	2644839.73
		2036	4735845.827	2070021.005	2665824.82
		2037	4757958.806	2072286.342	2685672.46
		2038	4778813.806	2074489.549	2704324.26
		2039	4798769.065	2076650.696	2722118.37
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220290.129	2676.150
		1993	296801.879	290428.977	6372.901
		1994	372453.706	360114.299	12339.407

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

	1995	448401.338	427542.909	20858.428
	1996	523536.301	491447.197	32089.104
	1997	596763.211	550747.085	46016.126
	1998	667546.681	605081.084	62465.597
	1999	734925.407	653909.086	81016.321
	2000	803749.361	700840.109	102909.252
	2001	870081.588	743061.108	127020.480
	2002	935347.140	781798.109	153549.031
	2003	1001627.349	818150.976	183476.373
	2004	1066587.976	851185.811	215402.164
	2005	1130548.052	881171.094	249376.958
	2006	1195132.454	908967.473	286164.981
	2007	1258974.043	934203.421	324770.622
	2008	1320124.867	956304.585	363820.282
	2009	1380776.123	976439.573	404336.551
	2010	1440048.533	994562.922	445485.611
	2011	1497484.847	1010748.480	486736.367
	2012	1554496.526	1025437.704	529058.823
	2013	1610819.598	1038808.050	572011.548
	2014	1667484.890	1051161.654	616323.236
	2015	1720948.287	1062062.875	658885.411
	2016	1775699.228	1072375.189	703324.039
	2017	1830250.175	1081939.241	748310.934
	2018	1875958.950	1089455.503	786503.447
	2019	1920359.232	1096317.550	824041.682
	2020	1960605.297	1102224.213	858381.085
	2021	1998912.887	1107533.106	891379.781
	2022	2036003.696	1112407.783	923595.912
	2023	2071857.536	1116892.421	954965.116
	2024	2106636.468	1121081.717	985554.752
	2025	2136450.873	1124548.275	1011902.60
	2026	2164796.470	1127730.235	1037066.24
	2027	2192079.608	1130723.131	1061356.48
	2028	2218404.367	1133523.670	1084880.70
	2029	2243769.140	1136179.495	1107589.65
	2030	2263570.213	1138203.036	1125367.18
	2031	2282521.590	1140123.543	1142398.05
	2032	2300804.945	1141961.434	1158843.51
	2033	2318464.018	1143706.770	1174757.25
	2034	2335611.973	1145405.510	1190206.46
	2035	2347097.290	1146523.955	1200573.34
	2036	2358248.747	1147612.530	1210636.22
	2037	2369033.655	1148677.286	1220356.37
	2038	2379490.114	1149705.791	1229784.32
	2039	2389546.238	1150707.608	1238838.63
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.693	515.169
	1992	165654.454	163676.913	1977.542
	1993	220008.519	215285.353	4723.167
	1994	275706.807	266529.415	9177.391
	1995	331417.547	315931.250	15486.298
	1996	387580.161	363605.583	23974.578
	1997	442778.242	408268.880	34509.362
	1998	496117.305	449254.584	46862.720
	1999	548268.214	487142.203	61126.012
	2000	601693.202	523757.529	77935.673
	2001	652221.103	556224.332	95996.771
	2002	703022.600	586650.039	116372.561
	2003	752023.351	613940.547	138082.804
	2004	799826.733	638584.522	161242.211
	2005	847563.928	661373.042	186190.887
	2006	894205.027	681906.417	212298.610
	2007	939571.282	700272.800	239298.482
	2008	983437.578	716638.339	266799.239
	2009	1025803.786	731197.018	294606.768
	2010	1066964.934	744183.559	322781.375
	2011	1106954.044	755775.176	351178.869
	2012	1146108.461	766241.505	379866.955
	2013	1183544.689	775506.936	408037.753
	2014	1221220.945	784105.161	437115.784
	2015	1258289.311	792029.235	466260.076
	2016	1294830.207	799283.379	495546.828
	2017	1330332.626	805857.581	524475.044
	2018	1360571.987	811118.625	549453.362
	2019	1389848.723	815879.065	573969.658
	2020	1416046.192	819932.128	596114.065
	2021	1440588.850	823520.634	617068.215
	2022	1464157.934	826784.650	637373.285

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

		2023	1486810.237	829791.152	657019.085
		2024	1508591.729	832553.337	676038.392
		2025	1526875.621	834801.680	692073.941
		2026	1543659.810	836796.500	706863.310
		2027	1559623.774	838641.863	720981.912
		2028	1574852.850	840370.976	734481.875
		2029	1589437.452	841998.607	747438.845
		2030	1600568.199	843208.483	757359.716
		2031	1610776.297	844311.219	766465.078
		2032	1620483.563	845357.247	775126.316
		2033	1629745.442	846360.782	783384.660
		2034	1638721.425	847329.683	791391.742
		2035	1644649.404	847947.218	796702.186
		2036	1650181.590	848526.691	801654.899
		2037	1655476.066	849089.218	806386.848
		2038	1660507.914	849637.925	810869.989
		2039	1665361.569	850177.008	815184.561
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347332.738	751.309
		1993	467278.318	465434.221	1844.097
		1994	584216.907	580591.513	3625.394
		1995	697391.457	691212.643	6178.813
		1996	809471.271	799807.745	9663.526
		1997	922587.668	908269.119	14318.549
		1998	1034072.457	1013995.995	20076.462
		1999	1153475.399	1125810.128	27665.271
		2000	1268050.268	1231411.615	36638.653
		2001	1382786.209	1335369.660	47416.549
		2002	1497557.412	1437363.891	60193.521
		2003	1614405.229	1539375.502	75029.727
		2004	1726672.489	1635299.049	91373.440
		2005	1847277.524	1736285.679	110991.846
		2006	1961009.963	1829137.434	131872.529
		2007	2079868.908	1923624.435	156244.473
		2008	2206755.783	2022012.305	184743.478
		2009	2331993.380	2116416.139	215577.241
		2010	2455130.176	2206657.330	248472.846
		2011	2582657.849	2297258.592	285399.256
		2012	2709719.005	2384571.351	325147.654
		2013	2840547.005	2471362.330	369184.676
		2014	2971677.135	2555309.428	416367.707
		2015	3104538.983	2638406.150	466132.833
		2016	3237650.175	2718362.175	519288.001
		2017	3370561.253	2795337.464	575223.789
		2018	3503136.371	2868636.515	634499.856
		2019	3636402.758	2939296.925	697105.833
		2020	3768054.453	3006798.375	761256.077
		2021	3897675.067	3070298.360	827376.707
		2022	4027307.132	3130864.675	896442.457
		2023	4156698.720	3188410.963	968287.757
		2024	4285772.226	3243012.511	1042759.71
		2025	4410759.298	3294032.973	1116726.32
		2026	4531411.064	3340481.183	1190929.88
		2027	4651145.233	3384091.783	1267053.45
		2028	4769837.872	3424942.144	1344895.73
		2029	4887747.179	3463281.949	1424465.23
2030	4997632.895	3497889.094	1499743.80		
2031	5103301.991	3528695.027	1574606.96		
2032	5207593.613	3557315.831	1650277.78		
2033	5310556.138	3583818.600	1726737.54		
2034	5412542.816	3608534.839	1804007.98		
2035	5500522.473	3629332.769	1871189.70		
2036	5588149.640	3648593.507	1939556.13		
2037	5674667.886	3666585.490	2008082.40		
2038	5760391.289	3683371.947	2077019.34		
2039	5845459.234	3699253.069	2146206.16		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.321	168.190
		1992	240642.531	240002.439	640.092
		1993	329362.093	327710.373	1651.720
		1994	418569.515	415259.765	3309.750
		1995	509110.357	503286.119	5824.238
		1996	600040.117	590786.644	9253.473
		1997	691159.071	677433.113	13725.957
		1998	782866.899	763555.276	19311.623
		1999	881526.925	854847.171	26679.754
		2000	977880.647	942686.453	35194.194

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

2001	1076787.404	1031310.572	45476.832
2002	1174842.754	1117495.056	57347.698
2003	1275102.681	1203987.535	71115.146
2004	1371026.306	1285077.631	85948.675
2005	1473954.509	1370050.661	103903.848
2006	1574450.828	1451057.693	123393.135
2007	1673790.211	1529126.777	144663.435
2008	1782360.738	1612222.021	170138.717
2009	1892944.209	1694231.897	198712.313
2010	2002131.282	1773000.532	229130.750
2011	2114522.152	1851384.433	263137.719
2012	2228079.372	1928116.831	299962.541
2013	2345377.689	2004583.477	340794.212
2014	2462498.422	2078139.567	384358.855
2015	2581450.312	2150972.683	430477.629
2016	2701959.301	2221921.868	480037.433
2017	2823834.967	2290870.387	532964.580
2018	2938265.081	2353612.986	584652.095
2019	3053254.880	2414048.354	639206.526
2020	3167073.216	2471871.168	695202.048
2021	3279517.699	2527091.118	752426.581
2022	3392060.964	2579883.361	812177.603
2023	3504296.171	2630169.316	874126.855
2024	3616019.231	2677817.987	938201.244
2025	3724611.269	2722531.205	1002080.06
2026	3827181.707	2763312.697	1063869.01
2027	3928684.441	2801628.516	1127055.92
2028	4029124.892	2837700.257	1191424.64
2029	4128269.068	2871385.955	1256883.11
2030	4221560.174	2902084.032	1319476.14
2031	4304170.584	2927914.450	1376256.13
2032	4384930.537	2951723.400	1433207.14
2033	4464357.691	2973870.021	1490487.67
2034	4542251.545	2994288.443	1547963.10
2035	4611066.648	3011856.287	1599210.36
2036	4670309.230	3026037.280	1644271.95
2037	4728179.514	3039126.855	1689052.66
2038	4785008.048	3051311.797	1733696.25
2039	4841291.793	3062721.717	1778570.08

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798454.139	32229.692
		1993	5076567.803	5001043.009	75524.793
		1994	6292145.526	6150248.102	141897.424
		1995	7485537.010	7250747.693	234789.317
		1996	8655955.028	8300581.494	355373.533
		1997	9791729.713	9289327.936	502401.777
		1998	10899134.186	10224695.833	674438.352
		1999	12070409.674	11166145.525	904264.150
		2000	13231384.595	12067534.266	1163850.33
		2001	14371761.018	12919125.659	1452635.36
		2002	15508906.386	13733593.466	1775312.92
		2003	16638100.422	14511259.267	2126841.16
		2004	17736465.088	15241727.884	2494737.20
		2005	18834658.606	15946643.426	2888015.18
		2006	19909100.501	16606025.144	3303075.36
		2007	20958321.463	17227649.288	3730672.18
		2008	22000068.148	17825918.489	4174149.66
		2009	23018816.903	18392120.962	4626695.94
		2010	24018480.537	18927901.259	5090579.28
		2011	25003034.574	19436935.941	5566098.63
		2012	25969871.429	19917952.914	6051918.52
		2013	26920275.180	20373101.629	6547173.55
		2014	27849005.227	20800699.475	7048305.75
		2015	28749620.400	21204122.352	7545498.05
		2016	29622417.562	21574832.959	8047584.60
		2017	30462559.724	21915437.897	8547121.83
		2018	31293299.299	22243959.222	9049340.08
		2019	32109993.427	22555580.116	9554413.31
		2020	32883323.977	22846073.298	10037250.7
		2021	33610102.554	23099811.083	10510291.5
		2022	34322010.448	23339020.193	10982990.3
		2023	35018383.550	23563799.617	11454583.9
		2024	35700177.955	23775493.578	11924684.4
		2025	36315500.346	23966663.625	12348836.7
		2026	36896159.343	24131446.940	12764712.4
		2027	37462570.116	24285963.769	13176606.3
		2028	38015337.780	24430328.748	13585009.0
		2029	38554814.764	24566009.841	13988804.9
		2030	39003805.400	24681464.846	14322340.6
		2031	39436509.703	24782097.659	14654412.0
2032	39858470.458	24876541.087	14981929.4		
2033	40270147.082	24964539.401	15305607.7		
2034	40672665.743	25047713.684	15624952.1		
2035	40962732.664	25110157.026	15852575.6		
2036	41255021.653	25168334.873	16086686.8		
2037	41540573.023	25223530.489	16317042.5		
2038	41820158.066	25275528.655	16544629.4		
2039	42093547.949	25325320.782	16768227.2		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.280	2964.972
		1992	1777346.679	1766100.752	11245.927
		1993	2380261.899	2353284.513	26977.386
		1994	2983130.039	2931384.187	51745.852
		1995	3588982.584	3502101.440	86881.144
		1996	4195430.235	4060847.574	134582.661
		1997	4793866.694	4601173.206	192693.488
		1998	5389747.381	5127343.315	262404.066
		1999	6006722.467	5654014.913	352707.554
		2000	6625758.871	6169973.136	455785.734
		2001	7245135.411	6671298.314	573837.097
		2002	7867492.021	7160139.025	707352.996
		2003	8485051.793	7631720.874	853330.919
		2004	9092994.774	8082624.326	1010370.45
		2005	9706032.803	8524154.499	1181878.30
		2006	10311907.548	8946613.255	1365294.29
		2007	10909437.502	9352075.938	1557361.56
		2008	11506462.491	9742516.541	1763945.95
		2009	12098393.287	10119731.408	1978661.88
		2010	12681188.981	10479036.781	2202152.20

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

		2011	13260062.991	10823470.480	2436592.51
		2012	13839417.441	11155738.438	2683679.00
		2013	14409614.758	11472593.513	2937021.25
		2014	14976658.746	11774565.609	3202093.14
		2015	15529977.821	12060015.949	3469961.87
		2016	16066640.764	12325220.111	3741420.65
		2017	16590035.078	12573853.750	4016181.33
		2018	17098716.137	12809448.661	4289267.48
		2019	17599868.850	13032652.766	4567216.08
		2020	18081346.241	13241898.025	4839448.22
		2021	18537594.460	13430967.082	5106627.38
		2022	18985300.234	13609113.838	5376186.40
		2023	19423958.747	13776830.579	5647128.17
		2024	19853347.772	13933955.943	5919391.83
		2025	20252822.245	14077690.421	6175131.82
		2026	20619307.063	14202856.710	6416450.35
		2027	20976063.406	14319505.682	6656557.72
		2028	21323641.947	14428710.492	6894931.45
		2029	21662117.106	14530342.570	7131774.54
		2030	21960971.694	14619458.926	7341512.77
		2031	22224951.983	14692983.981	7531968.00
		2032	22480397.853	14760996.882	7719400.97
		2033	22728639.455	14824545.202	7904094.25
		2034	22970448.888	14883640.427	8086808.46
		2035	23164154.188	14931057.944	8233096.24
		2036	23334538.616	14969924.041	8364614.58
		2037	23499760.723	15006278.444	8493482.28
		2038	23660308.401	15040554.414	8619753.99
		2039	23817891.273	15073095.863	8744795.41
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747594.998	2439.894
		1993	2319752.308	2313823.778	5928.530
		1994	2872597.339	2861130.059	11467.280
		1995	3411494.825	3392023.502	19471.324
		1996	3945569.726	3914846.917	30722.809
		1997	4463316.362	4418128.083	45188.279
		1998	4975301.180	4911755.535	63545.646
		1999	5473691.125	5387677.980	86013.145
		2000	5977500.570	5863439.390	114061.180
		2001	6474795.516	6327167.019	147628.497
		2002	6968769.705	6781375.835	187393.870
		2003	7460282.140	7226117.338	234164.802
		2004	7947048.275	7659305.867	287742.408
		2005	8430571.669	8081937.515	348634.154
		2006	8903945.390	8487297.478	416647.912
		2007	9364177.982	8873150.774	491027.208
		2008	9822525.458	9248154.585	574370.874
		2009	10275228.886	9609423.685	665805.201
		2010	10720275.500	9955676.124	764599.376
		2011	11155356.373	10284987.958	870368.415
		2012	11582611.617	10598116.982	984494.635
		2013	11998803.791	10893499.162	1105304.63
		2014	12402087.090	11170534.964	1231552.13
		2015	12793451.706	11431013.363	1362438.34
		2016	13160101.653	11666070.664	1494030.99
		2017	13503583.414	11878146.412	1625437.00
		2018	13859755.737	12087830.838	1771924.90
		2019	14211625.176	12286398.578	1925226.60
		2020	14553935.288	12472460.332	2081474.96
		2021	14851747.495	12627091.097	2224656.40
		2022	15144531.004	12772186.490	2372344.51
		2023	15431932.496	12907884.429	2524048.07
		2024	15713920.740	13034865.074	2679055.67
		2025	15979112.816	13150374.451	2828738.37
		2026	16206550.153	13243582.180	2962967.97
		2027	16428826.050	13330285.410	3098540.64
		2028	16645902.186	13410746.659	3235155.53
		2029	16858126.517	13485825.288	3372301.23
		2030	17045220.687	13550664.888	3494555.80
		2031	17208482.610	13603193.723	3605288.89
		2032	17367586.074	13652189.779	3715396.30
		2033	17522716.280	13697665.685	3825050.59
		2034	17674226.555	13740401.475	3933825.08
		2035	17792201.734	13773345.484	4018856.25
		2036	17903508.236	13802610.611	4100897.62
		2037	18012162.345	13830337.111	4181825.23
		2038	18118464.470	13856404.174	4262060.30

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

	Female	2039	18222549.860	13881378.078	4341171.78
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.924	416.494
		1992	931086.773	929438.639	1648.134
		1993	1246155.671	1242101.014	4054.657
		1994	1561212.934	1553235.574	7977.361
		1995	1879967.742	1866082.832	13884.910
		1996	2197488.109	2175430.248	22057.861
		1997	2515698.453	2482783.871	32914.582
		1998	2836249.556	2789456.437	46793.119
		1999	3150201.390	3086523.456	63677.933
		2000	3472722.342	3388124.335	84598.008
		2001	3796994.889	3687113.620	109881.269
		2002	4126619.935	3986351.715	140268.220
		2003	4454982.533	4279632.979	175349.555
		2004	4784343.030	4568401.046	215941.985
		2005	5113443.121	4851313.910	262129.211
		2006	5442543.963	5127785.704	314758.258
		2007	5772441.497	5398527.715	373913.782
		2008	6091911.943	5654223.659	437688.283
		2009	6413671.330	5904527.747	509143.583
		2010	6730763.530	6144703.296	586060.234
		2011	7043614.101	6374503.517	669110.584
		2012	7356270.780	6596916.748	759354.032
		2013	7662551.964	6807703.345	854848.618
		2014	7964551.465	7008480.979	956070.486
		2015	8254895.403	7195654.108	1059241.29
		2016	8530661.848	7366616.914	1164044.93
		2017	8795826.122	7524989.294	1270836.83
		2018	9067233.707	7679719.013	1387514.69
		2019	9335343.270	7825927.311	1509415.96
		2020	9596110.883	7962926.336	1633184.55
		2021	9833186.859	8083001.669	1750185.19
		2022	10066452.037	8195681.277	1870770.76
		2023	10295503.609	8301298.830	1994204.78
		2024	10520125.318	8399780.710	2120344.61
		2025	10731915.863	8489587.719	2242328.14
		2026	10917495.549	8565025.552	2352470.00
		2027	11098620.885	8634977.449	2463643.44
		2028	11275441.234	8700168.322	2575272.91
		2029	11447962.710	8760552.019	2687410.69
		2030	11601867.623	8813196.272	2788671.35
		2031	11731666.516	8855143.971	2876522.54
		2032	11857585.969	8893867.995	2963717.97
		2033	11980128.625	8929979.915	3050148.71
		2034	12099562.464	8963531.890	3136030.57
		2035	12195919.946	8990172.825	3205747.12
		2036	12278201.969	9011633.546	3266568.42
		2037	12358146.336	9031784.179	3326362.16
		2038	12435978.633	9050850.006	3385128.63
		2039	12512468.845	9069019.807	3443449.04
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483234.507	26364.107
		1993	1992735.299	1931347.796	61387.503
		1994	2462877.575	2348389.085	114488.490
		1995	2928249.390	2739918.524	188330.866
		1996	3377377.730	3094385.942	282991.788
		1997	3809062.472	3412025.542	397036.930
		1998	4222213.867	3693617.399	528596.469
		1999	4708317.743	3998382.344	709935.399
		2000	5182084.396	4271324.683	910759.713
		2001	5644097.705	4512820.922	1131276.78
		2002	6107232.129	4732121.097	1375111.03
		2003	6561785.704	4926405.719	1635379.98
		2004	6996156.348	5094419.071	1901737.28
		2005	7426261.361	5245360.041	2180901.32
		2006	7849012.694	5378336.987	2470675.71
		2007	8255300.530	5493932.028	2761368.50
		2008	8650662.040	5596186.432	3054475.61
		2009	9030818.513	5686021.690	3344796.82
		2010	9403026.327	5766591.256	3636435.07
		2011	9767535.506	5838877.482	3928658.02
		2012	10123044.281	5904079.844	4218964.44
		2013	10470104.786	5962946.671	4507158.11
		2014	10807756.112	6016433.736	4791322.38
		2015	11130681.425	6064546.887	5066134.54
		2016	11448966.506	6109066.150	5339900.36

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

		2017	11758164.882	6150156.100	5608008.78
		2018	12054448.241	6187269.768	5867178.47
		2019	12341606.261	6221866.988	6119739.27
		2020	12600728.939	6251934.527	6348794.41
		2021	12861767.105	6281277.466	6580489.64
		2022	13114168.616	6308986.282	6805182.33
		2023	13357894.797	6335069.033	7022825.76
		2024	13593848.521	6360022.405	7233826.12
		2025	13789177.359	6380231.963	7408945.40
		2026	13993401.656	6401255.848	7592145.81
		2027	14190519.224	6421559.244	7768959.98
		2028	14381193.356	6440922.690	7940270.67
		2029	14565171.927	6459658.570	8105513.36
		2030	14697381.605	6472807.417	8224574.19
		2031	14842203.512	6487415.302	8354788.21
		2032	14982485.826	6501664.107	8480821.72
		2033	15118410.647	6515230.157	8603180.49
		2034	15250284.398	6528571.817	8721712.58
		2035	15322911.166	6535543.187	8787367.98
		2036	15405115.031	6543530.959	8861584.07
		2037	15484709.137	6551392.334	8933316.80
		2038	15561812.193	6558981.557	9002830.64
		2039	15635992.616	6566409.689	9069582.93
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.343	1865.120
		1992	439962.920	432982.317	6980.603
		1993	584735.615	568185.529	16550.087
		1994	727640.783	696352.826	31287.956
		1995	868486.937	816786.339	51700.599
		1996	1010321.847	930996.315	79325.532
		1997	1144230.930	1032637.466	111593.463
		1998	1274513.622	1124997.209	149516.412
		1999	1426725.938	1225380.150	201345.788
		2000	1573462.680	1315228.215	258234.465
		2001	1719132.015	1396403.693	322728.322
		2002	1863006.732	1469312.461	393694.271
		2003	2002943.227	1533728.318	469214.909
		2004	2137798.705	1590015.167	547783.538
		2005	2271071.245	1640733.188	630338.058
		2006	2400707.731	1685027.650	715680.081
		2007	2523634.512	1723145.105	800489.408
		2008	2648752.232	1758228.962	890523.270
		2009	2765973.961	1788351.523	977622.438
		2010	2881329.235	1815491.154	1065838.08
		2011	2994972.694	1839891.939	1155080.75
		2012	3108958.829	1862270.687	1246688.14
		2013	3218140.416	1882305.058	1335835.36
		2014	3328387.914	1901027.518	1427360.40
		2015	3435342.796	1918201.160	1517141.64
		2016	3539189.408	1933872.223	1605317.19
		2017	3640041.363	1948221.769	1691819.59
		2018	3732645.362	1960696.530	1771948.83
		2019	3821421.978	1972094.586	1849327.39
		2020	3902115.950	1982048.859	1920067.09
		2021	3984301.053	1991802.335	1992498.72
		2022	4062629.299	2000770.896	2061858.40
		2023	4137348.729	2009127.211	2128221.52
		2024	4208611.493	2016904.551	2191706.94
		2025	4269419.492	2023411.226	2246008.27
		2026	4330969.998	2029910.339	2301059.66
		2027	4389134.306	2035994.511	2353139.79
		2028	4444222.970	2041757.443	2402465.53
		2029	4496447.877	2047248.348	2449199.53
		2030	4536975.698	2051377.386	2485598.31
		2031	4578338.586	2055631.988	2522706.60
		2032	4617397.784	2059690.947	2557706.84
		2033	4654407.697	2063613.211	2590794.49
		2034	4689913.454	2067420.637	2622492.82
		2035	4712518.190	2069687.993	2642830.20
		2036	4735845.827	2072064.038	2663781.79
		2037	4757958.806	2074362.214	2683596.59
		2038	4778813.806	2076597.801	2702216.01
		2039	4798769.065	2078791.192	2719977.87
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220290.747	2675.531
		1993	296801.879	290431.806	6370.073
		1994	372453.706	360122.278	12331.427

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

	1995	448401.338	427560.223	20841.115
	1996	523536.301	491479.227	32057.075
	1997	596763.211	550799.785	45963.426
	1998	667546.681	605160.605	62386.076
	1999	734925.407	654021.088	80904.319
	2000	803749.361	700994.126	102755.234
	2001	870081.588	743263.354	126818.234
	2002	935347.140	782056.070	153291.070
	2003	1001627.349	818471.744	183155.606
	2004	1066587.976	851575.291	215012.684
	2005	1130548.052	881634.055	248913.997
	2006	1195132.454	909509.290	285623.164
	2007	1258974.043	934827.123	324146.920
	2008	1320124.867	957009.235	363115.632
	2009	1380776.123	977227.075	403549.049
	2010	1440048.533	995433.595	444614.937
	2011	1497484.847	1011702.011	485782.836
	2012	1554496.526	1026472.739	528023.787
	2013	1610819.598	1039924.644	570894.953
	2014	1667484.890	1052358.992	615125.898
	2015	1720948.287	1063339.784	657608.503
	2016	1775699.228	1073732.133	701967.095
	2017	1830250.175	1083375.601	746874.574
	2018	1875958.950	1090959.935	784999.015
	2019	1920359.232	1097887.593	822471.638
	2020	1960605.297	1103857.217	856748.080
	2021	1998912.887	1109225.391	889687.497
	2022	2036003.696	1114156.878	921846.818
	2023	2071857.536	1118696.203	953161.334
	2024	2106636.468	1122938.660	983697.808
	2025	2136450.873	1126455.264	1009995.61
	2026	2164796.470	1129684.478	1035111.99
	2027	2192079.608	1132723.271	1059356.34
	2028	2218404.367	1135568.283	1082836.08
	2029	2243769.140	1138267.320	1105501.82
	2030	2263570.213	1140328.865	1123241.35
	2031	2282521.590	1142286.220	1140235.37
	2032	2300804.945	1144160.209	1156644.74
	2033	2318464.018	1145940.810	1172523.21
	2034	2335611.973	1147674.719	1187937.25
	2035	2347097.290	1148820.005	1198277.29
	2036	2358248.747	1149935.185	1208313.56
	2037	2369033.655	1151026.614	1218007.04
	2038	2379490.114	1152081.634	1227408.48
	2039	2389546.238	1153109.802	1236436.44
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.693	515.169
	1992	165654.454	163677.064	1977.391
	1993	220008.519	215286.065	4722.455
	1994	275706.807	266531.449	9175.358
	1995	331417.547	315935.746	15481.801
	1996	387580.161	363614.068	23966.093
	1997	442778.242	408283.111	34495.130
	1998	496117.305	449276.471	46840.833
	1999	548268.214	487173.750	61094.464
	2000	601693.202	523801.555	77891.647
	2001	652221.103	556282.627	95938.475
	2002	703022.600	586724.909	116297.691
	2003	752023.351	614033.733	137989.618
	2004	799826.733	638697.553	161129.180
	2005	847563.928	661507.598	186056.330
	2006	894205.027	682063.916	212141.110
	2007	939571.282	700453.956	239117.326
	2008	983437.578	716843.611	266593.967
	2009	1025803.786	731426.710	294377.076
	2010	1066964.934	744437.723	322527.211
	2011	1106954.044	756053.869	350900.176
	2012	1146108.461	766544.671	379563.790
	2013	1183544.689	775834.183	407710.506
	2014	1221220.945	784456.970	436763.975
	2015	1258289.311	792406.393	465882.918
	2016	1294830.207	799685.797	495144.410
	2017	1330332.626	806285.127	524047.499
	2018	1360571.987	811568.126	549003.861
	2019	1389848.723	816349.838	573498.884
	2020	1416046.192	820423.431	595622.762
	2021	1440588.850	824031.463	616557.387
	2022	1464157.934	827314.255	636843.679

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

COPD	Males	2023	1486810.237	830339.032	656471.205
		2024	1508591.729	833118.818	675472.911
		2025	1526875.621	835383.815	691491.806
		2026	1543659.810	837394.023	706265.787
		2027	1559623.774	839254.101	720369.674
		2028	1574852.850	840997.485	733855.366
		2029	1589437.452	842638.963	746798.490
		2030	1600568.199	843861.230	756706.970
		2031	1610776.297	844975.496	765800.800
		2032	1620483.563	846032.684	774450.879
		2033	1629745.442	847047.194	782698.248
		2034	1638721.425	848026.919	790694.507
		2035	1644649.404	848653.066	795996.339
		2036	1650181.590	849240.695	800940.894
		2037	1655476.066	849811.257	805664.809
		2038	1660507.914	850367.918	810139.995
		2039	1665361.569	850914.940	814446.629
		1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347333.888	750.160
		1993	467278.318	465439.630	1838.688
		1994	584216.907	580606.679	3610.227
		1995	697391.457	691245.445	6146.012
		1996	809471.271	799869.409	9601.862
		1997	922587.668	908374.526	14213.142
		1998	1034072.457	1014162.295	19910.161
		1999	1153475.399	1126064.112	27411.287
		2000	1268050.268	1231776.066	36274.202
		2001	1382786.209	1335874.364	46911.845
		2002	1497557.412	1438040.463	59516.949
		2003	1614405.229	1540264.466	74140.763
		2004	1726672.489	1636427.655	90244.834
		2005	1847277.524	1737711.816	109565.708
		2006	1961009.963	1830881.389	130128.574
		2007	2079868.908	1925739.363	154129.545
		2008	2206755.783	2024568.237	182187.545
		2009	2331993.380	2119448.513	212544.868
		2010	2455130.176	2210200.283	244929.893
		2011	2582657.849	2301368.491	281289.358
		2012	2709719.005	2389283.349	320435.656
2013	2840547.005	2476731.151	363815.854		
2014	2971677.135	2561371.783	410305.352		
2015	3104538.983	2645222.317	459316.666		
2016	3237650.175	2725964.012	511686.164		
2017	3370561.253	2803759.784	566801.469		
2018	3503136.371	2877898.681	625237.690		
2019	3636402.758	2949426.956	686975.802		
2020	3768054.453	3017821.222	750233.230		
2021	3897675.067	3082217.129	815457.938		
2022	4027307.132	3143690.543	883616.590		
2023	4156698.720	3202149.953	954548.767		
2024	4285772.226	3257667.439	1028104.79		
2025	4410759.298	3309601.947	1101157.35		
2026	4531411.064	3356924.435	1174486.63		
2027	4651145.233	3401395.845	1249749.39		
2028	4769837.872	3443091.116	1326746.76		
2029	4887747.179	3482258.661	1405488.52		
2030	4997632.895	3517663.677	1479969.22		
2031	5103301.991	3549202.413	1554099.58		
2032	5207593.613	3578526.992	1629066.62		
2033	5310556.138	3605702.748	1704853.39		
2034	5412542.816	3631065.673	1781477.14		
2035	5500522.473	3652448.351	1848074.12		
2036	5588149.640	3672258.118	1915891.52		
2037	5674667.886	3690774.430	1983893.46		
2038	5760391.289	3708061.290	2052330.00		
2039	5845459.234	3724423.214	2121036.02		
1990	77434.846	77434.846	0.000		
1991	160029.510	159861.321	168.190		
1992	240642.531	240002.732	639.799		
1993	329362.093	327711.906	1650.187		
1994	418569.515	415264.338	3305.177		
1995	509110.357	503296.522	5813.835		
1996	600040.117	590806.943	9233.175		
1997	691159.071	677468.758	13690.313		
1998	782866.899	763613.198	19253.701		
1999	881526.925	854937.556	26589.369		
2000	977880.647	942819.032	35061.615		

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

2001	1076787.404	1031498.373	45289.031
2002	1174842.754	1117749.939	57092.814
2003	1275102.681	1204325.844	70776.837
2004	1371026.306	1285510.560	85515.746
2005	1473954.509	1370599.804	103354.705
2006	1574450.828	1451735.984	122714.844
2007	1673790.211	1529949.162	143841.049
2008	1782360.738	1613220.308	169140.429
2009	1892944.209	1695425.429	197518.780
2010	2002131.282	1774404.608	227726.674
2011	2114522.152	1853021.155	261500.997
2012	2228079.372	1930006.333	298073.039
2013	2345377.689	2006750.927	338626.762
2014	2462498.422	2080600.142	381898.280
2015	2581450.312	2153754.287	427696.024
2016	2701959.301	2225045.177	476914.124
2017	2823834.967	2294357.560	529477.407
2018	2938265.081	2357464.992	580800.089
2019	3053254.880	2418281.032	634973.848
2020	3167073.216	2476499.399	690573.817
2021	3279517.699	2532131.614	747386.085
2022	3392060.964	2585347.409	806713.555
2023	3504296.171	2636065.505	868230.666
2024	3616019.231	2684151.863	931867.368
2025	3724611.269	2729307.660	995303.609
2026	3827181.707	2770526.796	1056654.91
2027	3928684.441	2809279.621	1119404.82
2028	4029124.892	2845787.242	1183337.65
2029	4128269.068	2879903.241	1248365.83
2030	4221560.174	2911024.038	1310536.14
2031	4304170.584	2937232.525	1366938.06
2032	4384930.537	2961405.256	1423525.28
2033	4464357.691	2983904.882	1480452.81
2034	4542251.545	3004660.981	1537590.56
2035	4611066.648	3022544.061	1588522.59
2036	4670309.230	3036985.761	1633323.47
2037	4728179.514	3050320.794	1677858.72
2038	4785008.048	3062738.689	1722269.36
2039	4841291.793	3074369.924	1766921.87

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	241144.627	202766.406
		35-39	1146798.555	617782.544	529016.011
		40-44	2609591.408	1369845.522	1239745.89
		45-49	4775841.753	2472651.346	2303190.41
		50-54	7446969.205	3999283.567	3447685.64
		55-59	8240205.925	4851138.484	3389067.44
		60-64	8772829.118	5575961.014	3196868.10
		65-69	6161494.678	4293922.792	1867571.89
		70-74	2495906.274	1800364.077	695542.196
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	143044.030	86096.531
		35-39	570217.942	349926.454	220291.488
		40-44	1267538.938	756233.350	511305.588
		45-49	2340070.698	1376166.208	963904.491
		50-54	3743803.613	2220471.363	1523332.25
		55-59	4591478.168	2848264.408	1743213.76
		60-64	5207367.788	3348269.176	1859098.61
		65-69	4092181.394	2771145.746	1321035.65
70-74		1776092.171	1221273.998	554818.172	
Lung cancer	Males	30-34	66065.017	51965.716	14099.302
		35-39	232509.414	184560.615	47948.800
		40-44	688628.041	535565.013	153063.028
		45-49	1528300.367	1153392.777	374907.590
		50-54	2730187.229	2029537.340	700649.889
		55-59	3909101.673	2890803.017	1018298.66
		60-64	4287716.660	3256941.060	1030775.60
		65-69	3467897.115	2683623.890	784273.225
		70-74	1312144.343	1032414.083	279730.260
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40826.969	11086.144
		35-39	189792.904	149610.860	40182.044
		40-44	527596.573	399423.856	128172.717
		45-49	1122524.269	819758.092	302766.177
		50-54	1882214.322	1346319.010	535895.312
		55-59	2595581.943	1835211.604	760370.339
		60-64	2846273.090	2047506.462	798766.628
		65-69	2358758.394	1715950.797	642807.597
70-74		937814.238	690637.661	247176.576	
IHD	Males	30-34	263834.566	119780.426	144054.139
		35-39	692140.150	300616.180	391523.970
		40-44	1519708.432	603323.519	916384.913
		45-49	2568546.697	940176.316	1628370.38
		50-54	3632929.903	1383826.224	2249103.68
		55-59	2807892.356	1128833.147	1679059.21
		60-64	2599825.934	1217631.018	1382194.92
		65-69	1113578.307	593736.504	519841.803
		70-74	437536.271	265406.449	172129.822
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	38306.933	41342.163
		35-39	193965.908	82802.675	111163.232
		40-44	403380.974	154482.143	248898.831
		45-49	671385.408	239556.447	431828.961
		50-54	1011875.989	386944.800	624931.189
		55-59	849875.715	352780.451	497095.265
		60-64	925490.876	444833.627	480657.249
		65-69	455463.881	249811.705	205652.176
70-74		207681.216	127131.913	80549.303	
Stroke	Males	30-34	73463.650	43343.029	30120.621
		35-39	151934.057	87085.562	64848.495
		40-44	262845.974	142824.251	120021.723
		45-49	383421.246	195052.124	188369.122
		50-54	479872.634	222671.830	257200.803
		55-59	437124.903	188708.003	248416.901
		60-64	419457.235	184945.780	234511.454
		65-69	128180.574	59214.368	68966.207
		70-74	53245.965	26862.661	26383.304
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	40254.165	22664.926

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

		35-39	120806.205	73134.330	47671.875
		40-44	203391.885	114369.369	89022.516
		45-49	278172.097	145458.013	132714.084
		50-54	325979.181	159514.328	166464.854
		55-59	275161.340	127111.925	148049.415
		60-64	268920.493	126071.064	142849.429
		65-69	87956.054	42879.819	45076.235
		70-74	42055.224	21383.997	20671.227
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	26055.456	14492.345
		35-39	70214.933	45520.187	24694.746
		40-44	138408.960	88132.738	50276.222
		45-49	295573.443	184030.129	111543.314
		50-54	603979.438	363248.172	240731.266
		55-59	1086086.992	642794.317	443292.675
		60-64	1465829.290	916443.155	549386.135
		65-69	1451838.682	957348.030	494490.652
		70-74	692979.695	475680.885	217298.810
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	23655.963	11003.298
		35-39	65652.924	44378.588	21274.336
		40-44	133169.505	87957.982	45211.523
		45-49	267988.924	171393.656	96595.269
		50-54	523734.121	327693.224	196040.896
		55-59	870859.170	533160.428	337698.742
		60-64	1166683.329	729858.023	436825.306
		65-69	1190003.066	762503.425	427499.640
		70-74	588541.493	382120.428	206421.066
		75-79	0.000	0.000	0.000

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	241160.620	202750.414
		35-39	1146798.555	617905.155	528893.400
		40-44	2609591.408	1370650.442	1238940.97
		45-49	4775841.753	2476269.443	2299572.31
		50-54	7446969.205	4010325.257	3436643.95
		55-59	8240205.925	4869044.142	3371161.78
		60-64	8772829.118	5606039.384	3166789.73
		65-69	6161494.678	4319529.591	1841965.09
		70-74	2495906.274	1814396.747	681509.527
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	143048.069	86092.492
		35-39	570217.942	349956.887	220261.055
		40-44	1267538.938	756430.223	511108.715
		45-49	2340070.698	1377047.925	963022.773
		50-54	3743803.613	2223280.276	1520523.34
		55-59	4591478.168	2853721.416	1737756.75
		60-64	5207367.788	3358718.663	1848649.13
		65-69	4092181.394	2782382.142	1309799.25
70-74		1776092.171	1228510.262	547581.909	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	51969.398	14095.620
		35-39	232509.414	184601.044	47908.371
		40-44	688628.041	535917.644	152710.397
		45-49	1528300.367	1155276.890	373023.477
		50-54	2730187.229	2035689.325	694497.904
		55-59	3909101.673	2902160.246	1006941.43
		60-64	4287716.660	3275540.255	1012176.40
		65-69	3467897.115	2699697.429	768199.685
		70-74	1312144.343	1040525.847	271618.496
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40828.277	11084.835
		35-39	189792.904	149624.949	40167.955
		40-44	527596.573	399537.200	128059.373
		45-49	1122524.269	820317.076	302207.193
		50-54	1882214.322	1348122.947	534091.375
		55-59	2595581.943	1838861.360	756720.583
		60-64	2846273.090	2054147.104	792125.986
		65-69	2358758.394	1722867.565	635890.829
70-74		937814.238	694713.328	243100.909	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	119788.145	144046.421
		35-39	692140.150	300670.426	391469.725
		40-44	1519708.432	603627.591	916080.841
		45-49	2568546.697	941279.538	1627267.16
		50-54	3632929.903	1386711.793	2246218.11
		55-59	2807892.356	1131445.379	1676446.98
		60-64	2599825.934	1221313.248	1378512.69
		65-69	1113578.307	595322.436	518255.871
		70-74	437536.271	266251.135	171285.136
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	38307.973	41341.124
		35-39	193965.908	82809.223	111156.685
		40-44	403380.974	154515.127	248865.847
		45-49	671385.408	239671.616	431713.792
		50-54	1011875.989	387275.532	624600.457
		55-59	849875.715	353145.741	496729.975
		60-64	925490.876	445490.867	480000.009
		65-69	455463.881	250185.825	205278.056
70-74		207681.216	127389.287	80291.929	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	43345.543	30118.106
		35-39	151934.057	87101.437	64832.620
		40-44	262845.974	142899.671	119946.304
		45-49	383421.246	195299.643	188121.603
		50-54	479872.634	223191.592	256681.042
		55-59	437124.903	189239.548	247885.356
		60-64	419457.235	185657.180	233800.055
		65-69	128180.574	59411.194	68769.380
		70-74	53245.965	26963.995	26281.970
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	40255.091	22663.999

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_3.RTF)

		35-39	120806.205	73139.472	47666.733
		40-44	203391.885	114392.228	88999.657
		45-49	278172.097	145526.224	132645.873
		50-54	325979.181	159654.092	166325.089
		55-59	275161.340	127262.097	147899.243
		60-64	268920.493	126294.193	142626.300
		65-69	87956.054	42956.902	44999.152
		70-74	42055.224	21434.642	20620.582
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	26057.535	14490.266
		35-39	70214.933	45532.249	24682.685
		40-44	138408.960	88205.537	50203.423
		45-49	295573.443	184413.373	111160.070
		50-54	603979.438	364732.548	239246.890
		55-59	1086086.992	646198.969	439888.023
		60-64	1465829.290	923528.702	542300.588
		65-69	1451838.682	965098.533	486740.149
		70-74	692979.695	480655.770	212323.925
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	23656.728	11002.533
		35-39	65652.924	44383.243	21269.682
		40-44	133169.505	87985.668	45183.838
		45-49	267988.924	171533.010	96455.915
		50-54	523734.121	328227.705	195506.416
		55-59	870859.170	534452.219	336406.950
		60-64	1166683.329	732786.498	433896.830
		65-69	1190003.066	766371.850	423631.216
		70-74	588541.493	384973.004	203568.489
		75-79	0.000	0.000	0.000

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

Estimated Loss of Life from the E Component for Run: 4, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	25018590.279	17074957.7
	Female	2039	23817891.273	14929364.074	8888527.20
Lung cancer	Males	2039	18222549.860	13740459.045	4482090.82
	Female	2039	12512468.845	8990004.888	3522463.96
IHD	Males	2039	15635992.616	6464627.218	9171365.40
	Female	2039	4798769.065	2051714.031	2747055.03
Stroke	Males	2039	2389546.238	1140034.545	1249511.69
	Female	2039	1665361.569	843853.672	821507.897
COPD	Males	2039	5845459.234	3673469.472	2171989.76
	Female	2039	4841291.793	3043791.483	1797500.31

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	25119609.833	16973938.1
	Female	2039	23817891.273	14967030.322	8850860.95
Lung cancer	Males	2039	18222549.860	13802136.812	4420413.05
	Female	2039	12512468.845	9013429.591	3499039.25
IHD	Males	2039	15635992.616	6476811.231	9159181.38
	Female	2039	4798769.065	2053717.364	2745051.70
Stroke	Males	2039	2389546.238	1142319.945	1247226.29
	Female	2039	1665361.569	844557.139	820804.431
COPD	Males	2039	5845459.234	3698341.844	2147117.39
	Female	2039	4841291.793	3055326.228	1785965.57

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798439.408	32244.423
		1993	5076567.803	5000970.275	75597.528
		1994	6292145.526	6150041.560	142103.966
		1995	7485537.010	7250294.164	235242.846
		1996	8655955.028	8299732.022	356223.005
		1997	9791729.713	9287895.017	503834.695
		1998	10899134.186	10222466.479	676667.707
		1999	12070409.674	11162766.586	907643.088
		2000	13231384.595	12062666.320	1168718.28
		2001	14371761.018	12912409.559	1459351.46
		2002	15508906.386	13724606.652	1784299.73
		2003	16638100.422	14499578.520	2138521.90
		2004	17736465.088	15226965.497	2509499.59
		2005	18834658.606	15928290.862	2906367.74
		2006	19909100.501	16583656.191	3325444.31
		2007	20958321.463	17200840.633	3757480.83
		2008	22000068.148	17794159.621	4205908.53
		2009	23018816.903	18354971.559	4663845.34
		2010	24018480.537	18884856.504	5133624.03
		2011	25003034.574	19387516.635	5615517.94
		2012	25969871.429	19861697.031	6108174.40
		2013	26920275.180	20309550.867	6610724.31
		2014	27849005.227	20729398.539	7119606.69
		2015	28749620.400	21124743.781	7624876.62
		2016	29622417.562	21487044.472	8135373.09
		2017	30462559.724	21818977.501	8643582.22
		2018	31293299.299	22138206.478	9155092.82
		2019	32109993.427	22440048.682	9669944.74
		2020	32883323.977	22720830.142	10162493.8
		2021	33610102.554	22964801.302	10645301.3
		2022	34322010.448	23193864.183	11128146.3
		2023	35018383.550	23408145.635	11610237.9
		2024	35700177.955	23608853.375	12091324.6
		2025	36315500.346	23789850.290	12525650.1
		2026	36896159.343	23944450.253	12951709.1
		2027	37462570.116	24088517.748	13374052.4
		2028	38015337.780	24222167.452	13793170.3
		2029	38554814.764	24346666.384	14208148.4
		2030	39003805.400	24452814.070	14550991.3
		2031	39436509.703	24544050.735	14892459.0
2032	39858470.458	24628885.960	15229584.5		
2033	40270147.082	24707152.023	15562995.1		
2034	40672665.743	24780061.163	15892604.6		
2035	40962732.664	24835237.059	16127495.6		
2036	41255021.653	24885761.914	16369259.7		
2037	41540573.023	24933130.413	16607442.6		
2038	41820158.066	24977206.427	16842951.6		
2039	42093547.949	25018590.279	17074957.7		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.280	2964.972
		1992	1777346.679	1766097.340	11249.339
		1993	2380261.899	2353268.503	26993.396
		1994	2983130.039	2931337.174	51792.865
		1995	3588982.584	3501994.823	86987.760
		1996	4195430.235	4060641.513	134788.722
		1997	4793866.694	4600816.194	193050.501
		1998	5389747.381	5126764.912	262982.469
		1999	6006722.467	5653108.713	353613.754
		2000	6625758.871	6168621.767	457137.104
		2001	7245135.411	6669366.637	575768.774
		2002	7867492.021	7157484.633	710007.388
		2003	8485051.793	7628195.634	856856.158
		2004	9092994.774	8078087.284	1014907.49
		2005	9706032.803	8518428.588	1187604.21
		2006	10311907.548	8939535.823	1372371.73
		2007	10909437.502	9343480.745	1565956.76
		2008	11506462.491	9732186.801	1774275.69
		2009	12098393.287	10107476.807	1990916.48
		2010	12681188.981	10464655.558	2216533.42

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

		2011	13260062.991	10806747.369	2453315.62
		2012	13839417.441	11136413.986	2703003.46
		2013	14409614.758	11450431.591	2959183.17
		2014	14976658.746	11749291.616	3227367.13
		2015	15529977.821	12031443.385	3498534.44
		2016	16066640.764	12293163.613	3773477.15
		2017	16590035.078	12538082.950	4051952.13
		2018	17098716.137	12769686.344	4329029.79
		2019	17599868.850	12988620.813	4611248.04
		2020	18081346.241	13193492.745	4887853.50
		2021	18537594.460	13378048.494	5159545.97
		2022	18985300.234	13551434.897	5433865.34
		2023	19423958.747	13714076.655	5709882.09
		2024	19853347.772	13865858.093	5987489.68
		2025	20252822.245	14004416.491	6248405.75
		2026	20619307.063	14124429.106	6494877.96
		2027	20976063.406	14235726.103	6740337.30
		2028	21323641.947	14339294.377	6984347.57
		2029	21662117.106	14435053.759	7227063.35
		2030	21960971.694	14518913.997	7442057.70
		2031	22224951.983	14587421.429	7637530.55
		2032	22480397.853	14650295.103	7830102.75
		2033	22728639.455	14708457.435	8020182.02
		2034	22970448.888	14761985.355	8208463.53
		2035	23164154.188	14804988.599	8359165.59
		2036	23334538.616	14839667.725	8494870.89
		2037	23499760.723	14871711.047	8628049.68
		2038	23660308.401	14901494.655	8758813.75
		2039	23817891.273	14929364.074	8888527.20
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747588.959	2445.933
		1993	2319752.308	2313795.563	5956.745
		1994	2872597.339	2861051.057	11546.281
		1995	3411494.825	3391851.132	19643.693
		1996	3945569.726	3914521.979	31047.746
		1997	4463316.362	4417577.810	45738.552
		1998	4975301.180	4910889.283	64411.897
		1999	5473691.125	5386396.682	87294.443
		2000	5977500.570	5861600.777	115899.793
		2001	6474795.516	6324621.648	150173.868
		2002	6968769.705	6777953.473	190816.232
		2003	7460282.140	7221634.946	238647.194
		2004	7947048.275	7653566.470	293481.806
		2005	8430571.669	8074730.198	355841.471
		2006	8903945.390	8478422.555	425522.835
		2007	9364177.982	8862412.177	501765.804
		2008	9822525.458	9235310.819	587214.640
		2009	10275228.886	9594233.622	680995.264
		2010	10720275.500	9937892.441	782383.059
		2011	11155356.373	10264391.636	890964.737
		2012	11582611.617	10574471.680	1008139.94
		2013	11998803.791	10866593.450	1132210.34
		2014	12402087.090	11140156.297	1261930.79
		2015	12793451.706	11396956.588	1396495.12
		2016	13160101.653	11628270.545	1531831.11
		2017	13503583.414	11836539.460	1667043.95
		2018	13859755.737	12041944.914	1817810.82
		2019	14211625.176	12235959.620	1975665.56
		2020	14553935.288	12417286.673	2136648.62
		2021	14851747.495	12567461.379	2284286.12
		2022	15144531.004	12707880.222	2436650.78
		2023	15431932.496	12838689.184	2593243.31
		2024	15713920.740	12960547.177	2753373.56
		2025	15979112.816	13071019.260	2908093.56
		2026	16206550.153	13159578.002	3046972.15
		2027	16428826.050	13241479.509	3187346.54
		2028	16645902.186	13316977.873	3328924.31
		2029	16858126.517	13386872.978	3471253.54
		2030	17045220.687	13447065.037	3598155.65
		2031	17208482.610	13495244.566	3713238.04
		2032	17367586.074	13539783.442	3827802.63
		2033	17522716.280	13580702.705	3942013.57
		2034	17674226.555	13618659.325	4055567.23
		2035	17792201.734	13647904.793	4144296.94
		2036	17903508.236	13673451.466	4230056.77
		2037	18012162.345	13697373.598	4314788.75
		2038	18118464.470	13719584.373	4398880.10

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

	Female	2039	18222549.860	13740459.045	4482090.82
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.924	416.494
		1992	931086.773	929437.285	1649.488
		1993	1246155.671	1242094.603	4061.068
		1994	1561212.934	1553216.682	7996.252
		1995	1879967.742	1866039.442	13928.300
		1996	2197488.109	2175345.859	22142.250
		1997	2515698.453	2482635.622	33062.831
		1998	2836249.556	2789213.555	47036.001
		1999	3150201.390	3086151.881	64049.509
		2000	3472722.342	3387572.083	85150.260
		2001	3796994.889	3686324.455	110670.435
		2002	4126619.935	3985258.561	141361.374
		2003	4454982.533	4278163.956	176818.577
		2004	4784343.030	4566477.090	217865.940
		2005	5113443.121	4848851.580	264591.540
		2006	5442543.963	5124689.967	317853.996
		2007	5772441.497	5394694.557	377746.940
		2008	6091911.943	5649563.854	442348.089
		2009	6413671.330	5898918.453	514752.878
		2010	6730763.530	6138029.901	592733.629
		2011	7043614.101	6366651.752	676962.349
		2012	7356270.780	6587736.825	768533.955
		2013	7662551.964	6797064.383	865487.580
		2014	7964551.465	6996237.965	968313.499
		2015	8254895.403	7181704.202	1073191.20
		2016	8530661.848	7350875.718	1179786.13
		2017	8795826.122	7507346.335	1288479.79
		2018	9067233.707	7659906.505	1407327.20
		2019	9335343.270	7803764.231	1531579.04
		2020	9596110.883	7938288.809	1657822.07
		2021	9833186.859	8055888.051	1777298.81
		2022	10066452.037	8165924.605	1900527.43
		2023	10295503.609	8268696.864	2026806.75
		2024	10520125.318	8364152.997	2155972.32
		2025	10731915.863	8450948.900	2280966.96
		2026	10917495.549	8523494.999	2394000.55
		2027	11098620.885	8590425.081	2508195.80
		2028	11275441.234	8652404.863	2623036.37
		2029	11447962.710	8709422.551	2738540.16
		2030	11601867.623	8758992.657	2842874.97
		2031	11731666.516	8798104.548	2933561.97
		2032	11857585.969	8833907.715	3023678.25
		2033	11980128.625	8866944.255	3113184.37
		2034	12099562.464	8897301.146	3202261.32
		2035	12195919.946	8921360.119	3274559.83
		2036	12278201.969	8940413.429	3337788.54
		2037	12358146.336	8958079.295	3400067.04
		2038	12435978.633	8974543.771	3461434.86
		2039	12512468.845	8990004.888	3522463.96
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483227.931	26370.683
		1993	1992735.299	1931313.817	61421.482
		1994	2462877.575	2348291.748	114585.827
		1995	2928249.390	2739703.860	188545.530
		1996	3377377.730	3093986.810	283390.920
		1997	3809062.472	3411356.589	397705.883
		1998	4222213.867	3692589.332	529624.535
		1999	4708317.743	3996786.556	711531.187
		2000	5182084.396	4269012.048	913072.348
		2001	5644097.705	4509634.345	1134463.36
		2002	6107232.129	4727869.237	1379362.89
		2003	6561785.704	4920920.922	1640864.78
		2004	6996156.348	5087567.234	1908589.11
		2005	7426261.361	5236941.702	2189319.66
		2006	7849012.694	5368182.427	2480830.27
		2007	8255300.530	5481910.126	2773390.40
		2008	8650662.040	5582141.687	3068520.35
		2009	9030818.513	5669836.453	3360982.06
		2010	9403026.327	5748090.703	3654935.62
		2011	9767535.506	5817909.455	3949626.05
		2012	10123044.281	5880510.813	4242533.47
		2013	10470104.786	5936650.668	4533454.12
		2014	10807756.112	5987281.681	4820474.43
		2015	11130681.425	6032512.592	5098168.83
		2016	11448966.506	6073999.254	5374967.25

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

		2017	11758164.882	6111961.642	5646203.24
		2018	12054448.241	6145821.860	5908626.38
		2019	12341606.261	6177054.957	6164551.30
		2020	12600728.939	6204043.403	6396685.54
		2021	12861767.105	6230031.150	6631735.95
		2022	13114168.616	6254310.765	6859857.85
		2023	13357894.797	6276901.059	7080993.74
		2024	13593848.521	6298195.686	7295652.83
		2025	13789177.359	6315436.209	7473741.15
		2026	13993401.656	6333103.379	7660298.28
		2027	14190519.224	6349995.478	7840523.75
		2028	14381193.356	6365906.086	8015287.27
		2029	14565171.927	6381026.445	8184145.48
		2030	14697381.605	6391734.843	8305646.76
		2031	14842203.512	6403508.472	8438695.04
		2032	14982485.826	6414868.048	8567617.78
		2033	15118410.647	6425567.979	8692842.67
		2034	15250284.398	6435829.661	8814454.74
		2035	15322911.166	6441273.156	8881638.01
		2036	15405115.031	6447437.194	8957677.84
		2037	15484709.137	6453439.897	9031269.24
		2038	15561812.193	6459175.309	9102636.88
		2039	15635992.616	6464627.218	9171365.40
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.343	1865.120
		1992	439962.920	432981.028	6981.892
		1993	584735.615	568179.562	16556.053
		1994	727640.783	696335.472	31305.311
		1995	868486.937	816747.788	51739.149
		1996	1010321.847	930922.500	79399.347
		1997	1144230.930	1032512.303	111718.627
		1998	1274513.622	1124797.981	149715.641
		1999	1426725.938	1225057.788	201668.150
		2000	1573462.680	1314744.305	258718.374
		2001	1719132.015	1395709.873	323422.142
		2002	1863006.732	1468364.216	394642.516
		2003	2002943.227	1532485.393	470457.834
		2004	2137798.705	1588444.340	549354.365
		2005	2271071.245	1638789.962	632281.283
		2006	2400707.731	1682678.695	718029.036
		2007	2523634.512	1720365.614	803268.899
		2008	2648752.232	1754958.180	893794.053
		2009	2765973.961	1784571.596	981402.365
		2010	2881329.235	1811158.987	1070170.25
		2011	2994972.694	1834965.758	1160006.94
		2012	3108958.829	1856696.942	1252261.89
		2013	3218140.416	1876050.726	1342089.69
		2014	3328387.914	1894025.821	1434362.09
		2015	3435342.796	1910434.875	1524907.92
		2016	3539189.408	1925311.026	1613878.38
		2017	3640041.363	1938827.666	1701213.70
		2018	3732645.362	1950461.901	1782183.46
		2019	3821421.978	1960991.358	1860430.62
		2020	3902115.950	1970125.585	1931990.36
		2021	3984301.053	1978979.329	2005321.72
		2022	4062629.299	1987032.126	2075597.17
		2023	4137348.729	1994435.736	2142912.99
		2024	4208611.493	2001236.955	2207374.54
		2025	4269419.492	2006910.862	2262508.63
		2026	4330969.998	2012491.324	2318478.67
		2027	4389134.306	2017640.914	2371493.39
		2028	4444222.970	2022447.127	2421775.84
		2029	4496447.877	2026959.966	2469487.91
		2030	4536975.698	2030360.666	2506615.03
		2031	4578338.586	2033808.057	2544530.53
		2032	4617397.784	2037052.635	2580345.15
		2033	4654407.697	2040135.289	2614272.41
		2034	4689913.454	2043091.483	2646821.97
		2035	4712518.190	2044867.165	2667651.02
		2036	4735845.827	2046693.680	2689152.15
		2037	4757958.806	2048431.917	2709526.89
		2038	4778813.806	2050099.704	2728714.10
		2039	4798769.065	2051714.031	2747055.03
	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220289.873	2676.405
		1993	296801.879	290427.330	6374.549
		1994	372453.706	360109.239	12344.467
Stroke					

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

	1995	448401.338	427531.156	20870.182
	1996	523536.301	491424.534	32111.767
	1997	596763.211	550707.556	46055.655
	1998	667546.681	605018.074	62528.607
	1999	734925.407	653814.644	81110.763
	2000	803749.361	700702.963	103046.398
	2001	870081.588	742871.152	127210.437
	2002	935347.140	781541.615	153805.524
	2003	1001627.349	817812.500	183814.849
	2004	1066587.976	850750.596	215837.380
	2005	1130548.052	880620.260	249927.792
	2006	1195132.454	908280.011	286852.443
	2007	1258974.043	933360.204	325613.839
	2008	1320124.867	955287.815	364837.052
	2009	1380776.123	975225.655	405550.468
	2010	1440048.533	993129.978	446918.555
	2011	1497484.847	1009076.652	488408.195
	2012	1554496.526	1023499.550	530996.976
	2013	1610819.598	1036579.848	574239.750
	2014	1667484.890	1048608.285	618876.604
	2015	1720948.287	1059181.319	661766.968
	2016	1775699.228	1069126.928	706572.300
	2017	1830250.175	1078297.230	751952.945
	2018	1875958.950	1085459.184	790499.766
	2019	1920359.232	1091948.967	828410.265
	2020	1960605.297	1097505.438	863099.859
	2021	1998912.887	1102457.281	896455.606
	2022	2036003.696	1106962.372	929041.324
	2023	2071857.536	1111066.632	960790.904
	2024	2106636.468	1114857.206	991779.263
	2025	2136450.873	1117978.372	1018472.50
	2026	2164796.470	1120809.729	1043986.74
	2027	2192079.608	1123444.910	1068634.70
	2028	2218404.367	1125880.601	1092523.77
	2029	2243769.140	1128155.484	1115613.66
	2030	2263570.213	1129884.993	1133685.22
	2031	2282521.590	1131507.272	1151014.32
	2032	2300804.945	1133040.368	1167764.58
	2033	2318464.018	1134479.376	1183984.64
	2034	2335611.973	1135852.688	1199759.29
	2035	2347097.290	1136757.979	1210339.31
	2036	2358248.747	1137627.932	1220620.81
	2037	2369033.655	1138469.079	1230564.58
	2038	2379490.114	1139272.082	1240218.03
	2039	2389546.238	1140034.545	1249511.69
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.693	515.169
	1992	165654.454	163676.687	1977.768
	1993	220008.519	215284.384	4724.136
	1994	275706.807	266526.537	9180.270
	1995	331417.547	315924.542	15493.005
	1996	387580.161	363592.506	23987.655
	1997	442778.242	408245.916	34532.326
	1998	496117.305	449216.569	46900.736
	1999	548268.214	487082.829	61185.386
	2000	601693.202	523667.488	78025.713
	2001	652221.103	556095.415	96125.688
	2002	703022.600	586472.537	116550.063
	2003	752023.351	613705.526	138317.825
	2004	799826.733	638283.383	161543.350
	2005	847563.928	660994.892	186569.037
	2006	894205.027	681441.458	212763.569
	2007	939571.282	699710.742	239860.540
	2008	983437.578	715968.577	267469.001
	2009	1025803.786	730409.547	295394.239
	2010	1066964.934	743265.659	323699.275
	2011	1106954.044	754715.104	352238.940
	2012	1146108.461	765028.440	381080.021
	2013	1183544.689	774128.843	409415.846
	2014	1221220.945	782543.622	438677.323
	2015	1258289.311	790273.398	468015.914
	2016	1294830.207	797318.346	497511.861
	2017	1330332.626	803668.555	526664.070
	2018	1360571.987	808718.866	551853.121
	2019	1389848.723	813256.806	576591.916
	2020	1416046.192	817101.128	598945.065
	2021	1440588.850	820476.444	620112.405
	2022	1464157.934	823520.617	640637.317

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

		2023	1486810.237	826295.433	660514.804
		2024	1508591.729	828817.345	679774.384
		2025	1526875.621	830860.644	696014.978
		2026	1543659.810	832650.854	711008.956
		2027	1559623.774	834286.067	725337.707
		2028	1574852.850	835796.573	739056.277
		2029	1589437.452	837198.552	752238.900
		2030	1600568.199	838235.012	762333.188
		2031	1610776.297	839165.277	771611.020
		2032	1620483.563	840035.489	780448.074
		2033	1629745.442	840855.792	788889.650
		2034	1638721.425	841636.555	797084.870
		2035	1644649.404	842133.207	802516.197
		2036	1650181.590	842590.609	807590.981
		2037	1655476.066	843027.106	812448.960
		2038	1660507.914	843447.090	817060.824
		2039	1665361.569	843853.672	821507.897
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347332.645	751.402
		1993	467278.318	465433.566	1844.752
		1994	584216.907	580589.515	3627.391
		1995	697391.457	691208.016	6183.441
		1996	809471.271	799798.699	9672.572
		1997	922587.668	908253.063	14334.605
		1998	1034072.457	1013969.789	20102.667
		1999	1153475.399	1125768.704	27706.696
		2000	1268050.268	1231350.531	36699.737
		2001	1382786.209	1335282.415	47503.795
		2002	1497557.412	1437242.327	60315.084
		2003	1614405.229	1539210.152	75195.077
		2004	1726672.489	1635081.198	91591.291
		2005	1847277.524	1735998.703	111278.821
		2006	1961009.963	1828771.198	132238.765
		2007	2079868.908	1923158.126	156710.782
		2008	2206755.783	2021419.300	185336.483
		2009	2331993.380	2115675.829	216317.551
	2010	2455130.176	2205743.382	249386.794	
	2011	2582657.849	2296138.893	286518.955	
	2012	2709719.005	2383214.988	326504.017	
	2013	2840547.005	2469726.902	370820.103	
	2014	2971677.135	2553352.275	418324.860	
	2015	3104538.983	2636093.282	468445.701	
	2016	3237650.175	2715647.745	522002.431	
	2017	3370561.253	2792179.169	578382.083	
	2018	3503136.371	2864980.521	638155.850	
	2019	3636402.758	2935085.138	701317.620	
	2020	3768054.453	3001994.629	766059.824	
	2021	3897675.067	3064851.492	832823.575	
	2022	4027307.132	3124710.825	902596.307	
	2023	4156698.720	3181488.761	975209.959	
	2024	4285772.226	3235253.306	1050518.92	
	2025	4410759.298	3285416.449	1125342.85	
	2026	4531411.064	3330959.144	1200451.92	
	2027	4651145.233	3373597.852	1277547.38	
	2028	4769837.872	3413402.892	1356434.98	
	2029	4887747.179	3450611.477	1437135.70	
2030	4997632.895	3484129.196	1513503.70		
2031	5103301.991	3513790.425	1589511.57		
2032	5207593.613	3541194.101	1666399.51		
2033	5310556.138	3566401.963	1744154.17		
2034	5412542.816	3589719.489	1822823.33		
2035	5500522.473	3609301.131	1891221.34		
2036	5588149.640	3627245.321	1960904.32		
2037	5674667.886	3643847.839	2030820.05		
2038	5760391.289	3659174.663	2101216.63		
2039	5845459.234	3673469.472	2171989.76		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.321	168.190
		1992	240642.531	240002.340	640.191
		1993	329362.093	327709.954	1652.140
		1994	418569.515	415258.483	3311.032
		1995	509110.357	503283.050	5827.307
		1996	600040.117	590780.648	9259.469
		1997	691159.071	677422.353	13736.717
		1998	782866.899	763536.808	19330.091
		1999	881526.925	854816.216	26710.709
		2000	977880.647	942637.890	35242.757

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

2001	1076787.404	1031236.895	45550.509
2002	1174842.754	1117389.319	57453.435
2003	1275102.681	1203840.759	71261.922
2004	1371026.306	1284882.470	86143.835
2005	1473954.509	1369792.154	104162.355
2006	1574450.828	1450725.704	123725.124
2007	1673790.211	1528709.833	145080.378
2008	1782360.738	1611696.190	170664.547
2009	1892944.209	1693577.211	199366.998
2010	2002131.282	1772201.010	229930.272
2011	2114522.152	1850414.755	264107.398
2012	2228079.372	1926951.779	301127.592
2013	2345377.689	2003187.638	342190.051
2014	2462498.422	2076484.207	386014.215
2015	2581450.312	2149030.910	432419.401
2016	2701959.301	2219658.524	482300.777
2017	2823834.967	2288240.394	535594.573
2018	2938265.081	2350599.072	587666.009
2019	3053254.880	2410608.418	642646.461
2020	3167073.216	2467977.223	699095.993
2021	3279517.699	2522704.670	756813.029
2022	3392060.964	2574957.549	817103.415
2023	3504296.171	2624648.622	879647.550
2024	3616019.231	2671650.796	944368.435
2025	3724611.269	2715696.085	1008915.18
2026	3827181.707	2755791.930	1071389.78
2027	3928684.441	2793374.040	1135310.40
2028	4029124.892	2828645.814	1200479.08
2029	4128269.068	2861472.690	1266796.38
2030	4221560.174	2891325.663	1330234.51
2031	4304170.584	2916343.548	1387827.04
2032	4384930.537	2939299.264	1445631.27
2033	4464357.691	2960522.098	1503835.59
2034	4542251.545	2979956.170	1562295.37
2035	4611066.648	2996628.108	1614438.54
2036	4670309.230	3009970.007	1660339.22
2037	4728179.514	3022172.729	1706006.79
2038	4785008.048	3033404.090	1751603.96
2039	4841291.793	3043791.483	1797500.31

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798451.346	32232.486
		1993	5076567.803	5001024.524	75543.279
		1994	6292145.526	6150191.103	141954.423
		1995	7485537.010	7250615.657	234921.353
		1996	8655955.028	8300325.684	355629.344
		1997	9791729.713	9288879.368	502850.345
		1998	10899134.186	10223976.805	675157.381
		1999	12070409.674	11164991.661	905418.014
		2000	13231384.595	12065808.005	1165576.59
		2001	14371761.018	12916666.673	1455094.35
		2002	15508906.386	13730198.282	1778708.10
		2003	16638100.422	14506727.260	2131373.16
		2004	17736465.088	15235870.799	2500594.29
		2005	18834658.606	15939192.597	2895466.01
		2006	19909100.501	16596725.885	3312374.62
		2007	20958321.463	17216260.370	3742061.09
		2008	22000068.148	17812151.691	4187916.46
		2009	23018816.903	18375705.474	4643111.43
		2010	24018480.537	18908489.805	5109990.73
		2011	25003034.574	19414203.626	5588830.95
		2012	25969871.429	19891553.227	6078318.20
		2013	26920275.180	20342692.521	6577582.66
		2014	27849005.227	20765906.583	7083098.64
		2015	28749620.400	21164723.946	7584896.45
		2016	29622417.562	21530471.270	8091946.29
		2017	30462559.724	21865820.843	8596738.88
		2018	31293299.299	22188567.089	9104732.21
		2019	32109993.427	22493967.642	9616025.79
		2020	32883323.977	22778331.585	10104992.4
		2021	33610102.554	23025602.713	10584499.8
		2022	34322010.448	23257944.961	11064065.5
		2023	35018383.550	23475470.939	11542912.6
		2024	35700177.955	23679384.029	12020793.9
		2025	36315500.346	23863513.359	12451987.0
		2026	36896159.343	24020881.887	12875277.5
		2027	37462570.116	24167644.683	13294925.4
		2028	38015337.780	24303907.973	13711429.8
		2029	38554814.764	24430939.634	14123875.1
		2030	39003805.400	24539454.585	14464350.8
		2031	39436509.703	24632748.156	14803761.5
2032	39858470.458	24719552.997	15138917.5		
2033	40270147.082	24799692.772	15470454.3		
2034	40672665.743	24874396.678	15798269.1		
2035	40962732.664	24931088.940	16031643.7		
2036	41255021.653	24982994.145	16272027.5		
2037	41540573.023	25031685.106	16508887.9		
2038	41820158.066	25077021.138	16743136.9		
2039	42093547.949	25119609.833	16973938.1		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1179606.280	2964.972	
1992		1777346.679	1766099.369	11247.310	
1993		2380261.899	2353278.369	26983.530	
1994		2983130.039	2931365.916	51764.123	
1995		3588982.584	3502059.520	86923.063	
1996		4195430.235	4060765.836	134664.399	
1997		4793866.694	4601030.295	192836.399	
1998		5389747.381	5127106.152	262641.229	
1999		6006722.467	5653624.494	353097.973	
2000		6625758.871	6169368.310	456390.561	
2001		7245135.411	6670402.332	574733.079	
2002		7867492.021	7158873.312	708618.709	
2003		8485051.793	7630006.039	855045.754	
2004		9092994.774	8080383.611	1012611.16	
2005		9706032.803	8521286.191	1184746.61	
2006		10311907.548	8943020.514	1368887.03	
2007		10909437.502	9347662.598	1561774.90	
2008		11506462.491	9737139.024	1769323.47	
2009		12098393.287	10113271.304	1985121.98	
2010		12681188.981	10471353.335	2209835.65	

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

		2011	13260062.991	10814411.338	2445651.65
		2012	13839417.441	11145112.638	2694304.80
		2013	14409614.758	11460222.014	2949392.74
		2014	14976658.746	11760226.526	3216432.22
		2015	15529977.821	12043574.231	3486403.59
		2016	16066640.764	12306511.042	3760129.72
		2017	16590035.078	12552680.113	4037354.96
		2018	17098716.137	12785568.453	4313147.68
		2019	17599868.850	13005818.363	4594050.49
		2020	18081346.241	13212031.913	4869314.33
		2021	18537594.460	13397907.953	5139686.51
		2022	18985300.234	13572626.320	5412673.91
		2023	19423958.747	13736605.379	5687353.37
		2024	19853347.772	13889719.007	5963628.76
		2025	20252822.245	14029600.285	6223221.96
		2026	20619307.063	14150847.953	6468459.11
		2027	20976063.406	14263358.125	6712705.28
		2028	21323641.947	14368119.132	6955522.82
		2029	21662117.106	14465040.041	7197077.06
		2030	21960971.694	14550017.071	7410954.62
		2031	22224951.983	14619480.846	7605471.14
		2032	22480397.853	14683266.465	7797131.39
		2033	22728639.455	14742305.389	7986334.07
		2034	22970448.888	14796666.639	8173782.25
		2035	23164154.188	14840421.968	8323732.22
		2036	23334538.616	14875709.522	8458829.09
		2037	23499760.723	14908324.597	8591436.13
		2038	23660308.401	14938648.589	8721659.81
		2039	23817891.273	14967030.322	8850860.95
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747594.740	2440.152
		1993	2319752.308	2313821.942	5930.366
		1994	2872597.339	2861124.378	11472.961
		1995	3411494.825	3392010.267	19484.559
		1996	3945569.726	3914820.693	30749.032
		1997	4463316.362	4418081.241	45235.122
		1998	4975301.180	4911677.976	63623.205
		1999	5473691.125	5387556.851	86134.274
		2000	5977500.570	5863256.388	114244.182
		2001	6474795.516	6326899.495	147896.021
		2002	6968769.705	6780994.092	187775.613
		2003	7460282.140	7225586.548	234695.592
		2004	7947048.275	7658583.307	288464.968
		2005	8430571.669	8080968.872	349602.796
		2006	8903945.390	8486023.784	417921.606
		2007	9364177.982	8871505.327	492672.655
		2008	9822525.458	9246048.669	576476.789
		2009	10275228.886	9606756.004	668472.882
		2010	10720275.500	9952327.631	767947.870
		2011	11155356.373	10280845.924	874510.450
		2012	11582611.617	10593034.324	989577.292
		2013	11998803.791	10887335.653	1111468.14
		2014	12402087.090	11163132.673	1238954.42
		2015	12793451.706	11422222.535	1371229.17
		2016	13160101.653	11655775.229	1504326.42
		2017	13503583.414	11866227.250	1637356.16
		2018	13859755.737	12073939.332	1785816.40
		2019	14211625.176	12270286.065	1941339.11
		2020	14553935.288	12453958.709	2099976.58
		2021	14851747.495	12606205.290	2245542.20
		2022	15144531.004	12748676.701	2395854.30
		2023	15431932.496	12881508.677	2550423.82
		2024	15713920.740	13005355.531	2708565.21
		2025	15979112.816	13117765.512	2861347.30
		2026	16206550.153	13207938.477	2998611.68
		2027	16428826.050	13291400.964	3137425.09
		2028	16645902.186	13368403.544	3277498.64
		2029	16858126.517	13439747.877	3418378.64
		2030	17045220.687	13501295.198	3543925.49
		2031	17208482.610	13550569.939	3657912.67
		2032	17367586.074	13596151.806	3771434.27
		2033	17522716.280	13638058.894	3884657.39
		2034	17674226.555	13676957.403	3997269.15
		2035	17792201.734	13707005.851	4085195.88
		2036	17903508.236	13733242.056	4170266.18
		2037	18012162.345	13757823.858	4254338.49
		2038	18118464.470	13780661.946	4337802.52

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

	Female	2039	18222549.860	13802136.812	4420413.05
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.924	416.494
		1992	931086.773	929438.400	1648.373
		1993	1246155.671	1242100.013	4055.658
		1994	1561212.934	1553232.559	7980.375
		1995	1879967.742	1866075.608	13892.134
		1996	2197488.109	2175415.961	22072.149
		1997	2515698.453	2482757.894	32940.559
		1998	2836249.556	2789411.292	46838.264
		1999	3150201.390	3086449.446	63751.944
		2000	3472722.342	3388006.304	84716.039
		2001	3796994.889	3686932.708	110062.182
		2002	4126619.935	3986085.037	140534.898
		2003	4454982.533	4279255.091	175727.443
		2004	4784343.030	4567881.610	216461.420
		2005	5113443.121	4850617.777	262825.344
		2006	5442543.963	5126868.780	315675.183
		2007	5772441.497	5397341.136	375100.361
		2008	6091911.943	5652716.873	439195.070
		2009	6413671.330	5902632.071	511039.259
		2010	6730763.530	6142349.711	588413.819
		2011	7043614.101	6371619.061	671995.040
		2012	7356270.780	6593400.431	762870.348
		2013	7662551.964	6803457.927	859094.036
		2014	7964551.465	7003398.302	961153.163
		2015	8254895.403	7189653.520	1065241.88
		2016	8530661.848	7359615.020	1171046.83
		2017	8795826.122	7516888.042	1278938.08
		2018	9067233.707	7670293.102	1396940.60
		2019	9335343.270	7815013.224	1520330.05
		2020	9596110.883	7950414.454	1645696.43
		2021	9833186.859	8068852.413	1764334.45
		2022	10066452.037	8179731.211	1886720.83
		2023	10295503.609	8283345.001	2012158.61
		2024	10520125.318	8379635.092	2140490.23
		2025	10731915.863	8467254.405	2264661.46
		2026	10917495.549	8540541.940	2376953.61
		2027	11098620.885	8608195.638	2490425.25
		2028	11275441.234	8670882.664	2604558.57
		2029	11447962.710	8728584.771	2719377.94
		2030	11601867.623	8778808.407	2823059.22
		2031	11731666.516	8818458.177	2913208.34
		2032	11857585.969	8854771.898	3002814.07
		2033	11980128.625	8888297.108	3091831.52
		2034	12099562.464	8919117.064	3180445.40
		2035	12195919.946	8943590.390	3252329.56
		2036	12278201.969	8962968.384	3315233.59
		2037	12358146.336	8980939.830	3377206.51
		2038	12435978.633	8997693.483	3438285.15
		2039	12512468.845	9013429.591	3499039.25
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483232.320	26366.294
		1993	1992735.299	1931333.449	61401.850
		1994	2462877.575	2348344.818	114532.757
		1995	2928249.390	2739816.082	188433.308
		1996	3377377.730	3094188.010	283189.720
		1997	3809062.472	3411679.285	397383.187
		1998	4222213.867	3693064.929	529148.938
		1999	4708317.743	3997485.107	710832.636
		2000	5182084.396	4269979.073	912105.324
		2001	5644097.705	4510905.798	1133191.91
		2002	6107232.129	4729484.498	1377747.63
		2003	6561785.704	4922906.667	1638879.04
		2004	6996156.348	5089935.450	1906220.90
		2005	7426261.361	5239712.899	2186548.46
		2006	7849012.694	5371361.755	2477650.94
		2007	8255300.530	5485494.063	2769806.47
		2008	8650662.040	5586130.562	3064531.48
		2009	9030818.513	5674222.669	3356595.84
		2010	9403026.327	5752869.158	3650157.17
		2011	9767535.506	5823072.203	3944463.30
		2012	10123044.281	5886050.508	4236993.77
		2013	10470104.786	5942557.809	4527546.98
		2014	10807756.112	5993547.044	4814209.07
		2015	11130681.425	6039127.797	5091553.63
		2016	11448966.506	6080957.890	5368008.62

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

		2017	11758164.882	6119255.683	5638909.20
		2018	12054448.241	6153420.871	5901027.37
		2019	12341606.261	6184949.828	6156656.43
		2020	12600728.939	6212223.318	6388505.62
		2021	12861767.105	6238488.794	6623278.31
		2022	13114168.616	6263037.412	6851131.20
		2023	13357894.797	6285888.835	7072005.96
		2024	13593848.521	6307439.815	7286408.71
		2025	13789177.359	6324921.198	7464256.16
		2026	13993401.656	6342833.164	7650568.49
		2027	14190519.224	6359966.756	7830552.47
		2028	14381193.356	6376113.478	8005079.88
		2029	14565171.927	6391464.948	8173706.98
		2030	14697381.605	6402369.010	8295012.59
		2031	14842203.512	6414356.580	8427846.93
		2032	14982485.826	6425927.596	8556558.23
		2033	15118410.647	6436832.870	8681577.78
		2034	15250284.398	6447297.070	8802987.33
		2035	15322911.166	6452871.745	8870039.42
		2036	15405115.031	6459184.355	8945930.68
		2037	15484709.137	6465335.516	9019373.62
		2038	15561812.193	6471216.927	9090595.27
		2039	15635992.616	6476811.231	9159181.38
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.343	1865.120
		1992	439962.920	432981.497	6981.423
		1993	584735.615	568181.773	16553.842
		1994	727640.783	696341.729	31299.054
		1995	868486.937	816761.414	51725.523
		1996	1010321.847	930947.926	79373.922
		1997	1144230.930	1032554.230	111676.700
		1998	1274513.622	1124861.624	149651.998
		1999	1426725.938	1225153.982	201571.956
		2000	1573462.680	1314879.878	258582.802
		2001	1719132.015	1395890.989	323241.026
		2002	1863006.732	1468596.325	394410.407
		2003	2002943.227	1532772.678	470170.549
		2004	2137798.705	1588789.518	549009.187
		2005	2271071.245	1639196.777	631874.468
		2006	2400707.731	1683147.637	717560.094
		2007	2523634.512	1720895.923	802738.589
		2008	2648752.232	1755552.061	893200.171
		2009	2765973.961	1785227.129	980746.832
		2010	2881329.235	1811876.231	1069453.00
		2011	2994972.694	1835744.162	1159228.53
		2012	3108958.829	1857536.139	1251422.69
		2013	3218140.416	1876949.425	1341190.99
		2014	3328387.914	1894984.323	1433403.59
		2015	3435342.796	1911453.848	1523888.95
		2016	3539189.408	1926389.673	1612799.74
		2017	3640041.363	1939964.908	1700076.45
		2018	3732645.362	1951652.829	1780992.53
		2019	3821421.978	1962234.078	1859187.90
		2020	3902115.950	1971418.189	1930697.76
		2021	3984301.053	1980323.082	2003977.97
		2022	4062629.299	1988425.061	2074204.24
		2023	4137348.729	1995876.397	2141472.33
		2024	4208611.493	2002723.514	2205887.98
		2025	4269419.492	2008441.187	2260978.30
		2026	4330969.998	2014066.277	2316903.72
		2027	4389134.306	2019258.534	2369875.77
		2028	4444222.970	2024105.949	2420117.02
		2029	4496447.877	2028658.645	2467789.23
		2030	4536975.698	2032095.131	2504880.57
		2031	4578338.586	2035579.417	2542759.17
		2032	4617397.784	2038859.401	2578538.38
		2033	4654407.697	2041976.493	2612431.20
		2034	4689913.454	2044966.321	2644947.13
		2035	4712518.190	2046767.900	2665750.29
		2036	4735845.827	2048621.246	2687224.58
		2037	4757958.806	2050385.365	2707573.44
		2038	4778813.806	2052078.329	2726735.48
		2039	4798769.065	2053717.364	2745051.70
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220290.491	2675.787
		1993	296801.879	290430.158	6371.720
		1994	372453.706	360117.220	12336.485

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

	1995	448401.338	427548.474	20852.863
	1996	523536.301	491456.575	32079.726
	1997	596763.211	550760.279	46002.932
	1998	667546.681	605097.634	62449.047
	1999	734925.407	653926.703	80998.704
	2000	803749.361	700857.058	102892.303
	2001	870081.588	743073.492	127008.096
	2002	935347.140	781799.675	153547.464
	2003	1001627.349	818133.351	183493.998
	2004	1066587.976	851140.112	215447.863
	2005	1130548.052	881083.157	249464.895
	2006	1195132.454	908821.595	286310.859
	2007	1258974.043	933983.421	324990.622
	2008	1320124.867	955991.628	364133.239
	2009	1380776.123	976011.830	404764.293
	2010	1440048.533	993998.677	446049.856
	2011	1497484.847	1010027.384	487457.463
	2012	1554496.526	1024530.754	529965.772
	2013	1610819.598	1037691.328	573128.269
	2014	1667484.890	1049798.956	617685.934
	2015	1720948.287	1060449.705	660498.582
	2016	1775699.228	1070473.135	705226.093
	2017	1830250.175	1079720.280	750529.895
	2018	1875958.950	1086947.742	789011.208
	2019	1920359.232	1093500.299	826858.932
	2020	1960605.297	1099116.613	861488.684
	2021	1998912.887	1104124.394	894788.493
	2022	2036003.696	1108682.638	927321.058
	2023	2071857.536	1112837.627	959019.909
	2024	2106636.468	1116677.068	989959.401
	2025	2136450.873	1119843.859	1016607.01
	2026	2164796.470	1122717.810	1042078.66
	2027	2192079.608	1125393.968	1066685.64
	2028	2218404.367	1127868.905	1090535.46
	2029	2243769.140	1130181.444	1113587.70
	2030	2263570.213	1131943.855	1131626.36
	2031	2282521.590	1133597.664	1148923.93
	2032	2300804.945	1135161.265	1165643.68
	2033	2318464.018	1136629.736	1181834.28
	2034	2335611.973	1138031.927	1197580.05
	2035	2347097.290	1138959.222	1208138.07
	2036	2358248.747	1139850.683	1218398.06
	2037	2369033.655	1140713.160	1228320.50
	2038	2379490.114	1141537.106	1237953.01
	2039	2389546.238	1142319.945	1247226.29
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.693	515.169
	1992	165654.454	163676.838	1977.617
	1993	220008.519	215285.096	4723.424
	1994	275706.807	266528.570	9178.236
	1995	331417.547	315929.040	15488.507
	1996	387580.161	363600.993	23979.168
	1997	442778.242	408260.153	34518.089
	1998	496117.305	449238.465	46878.840
	1999	548268.214	487114.389	61153.825
	2000	601693.202	523711.531	77981.671
	2001	652221.103	556153.729	96067.373
	2002	703022.600	586547.425	116475.175
	2003	752023.351	613798.723	138224.628
	2004	799826.733	638396.410	161430.322
	2005	847563.928	661129.417	186434.511
	2006	894205.027	681598.882	212606.145
	2007	939571.282	699891.757	239679.525
	2008	983437.578	716173.615	267263.963
	2009	1025803.786	730638.882	295164.904
	2010	1066964.934	743519.307	323445.627
	2011	1106954.044	754993.076	351960.968
	2012	1146108.461	765330.633	380777.828
	2013	1183544.689	774454.809	409089.880
	2014	1221220.945	782893.769	438327.177
	2015	1258289.311	790648.422	467640.889
	2016	1294830.207	797718.075	497112.132
	2017	1330332.626	804092.749	526239.877
	2018	1360571.987	809164.326	551407.662
	2019	1389848.723	813722.753	576125.969
	2020	1416046.192	817586.726	598459.466
	2021	1440588.850	820980.604	619608.245
	2022	1464157.934	824042.510	640115.425

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

		2023	1486810.237	826834.435	659975.802
		2024	1508591.729	829372.681	679219.048
		2025	1526875.621	831431.331	695444.290
		2026	1543659.810	833235.580	710424.230
		2027	1559623.774	834884.072	724739.703
		2028	1574852.850	836407.291	738445.559
		2029	1589437.452	837821.453	751615.999
		2030	1600568.199	838868.703	761699.496
		2031	1610776.297	839808.882	770967.414
		2032	1620483.563	840688.574	779794.989
		2033	1629745.442	841518.041	788227.401
		2034	1638721.425	842307.720	796413.706
		2035	1644649.404	842811.428	801837.976
		2036	1650181.590	843275.398	806906.191
		2037	1655476.066	843718.254	811757.812
		2038	1660507.914	844144.452	816363.462
		2039	1665361.569	844557.139	820804.431
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347333.794	750.253
		1993	467278.318	465438.976	1839.342
		1994	584216.907	580604.687	3612.220
		1995	697391.457	691240.834	6150.623
		1996	809471.271	799860.405	9610.866
		1997	922587.668	908358.563	14229.105
		1998	1034072.457	1014136.266	19936.191
		1999	1153475.399	1126022.999	27452.400
		2000	1268050.268	1231715.486	36334.782
		2001	1382786.209	1335787.887	46998.322
		2002	1497557.412	1437920.017	59637.395
		2003	1614405.229	1540100.694	74304.536
		2004	1726672.489	1636211.929	90460.560
		2005	1847277.524	1737427.669	109849.855
		2006	1961009.963	1830518.750	130491.213
		2007	2079868.908	1925277.559	154591.349
		2008	2206755.783	2023980.833	182774.950
		2009	2331993.380	2118714.971	213278.410
		2010	2455130.176	2209294.339	245835.838
		2011	2582657.849	2300258.115	282399.733
		2012	2709719.005	2387937.641	321781.364
		2013	2840547.005	2475107.731	365439.275
		2014	2971677.135	2559427.910	412249.225
		2015	3104538.983	2642923.909	461615.073
		2016	3237650.175	2723265.017	514385.159
		2017	3370561.253	2800617.631	569943.622
		2018	3503136.371	2874259.144	628877.227
		2019	3636402.758	2945231.450	691171.309
		2020	3768054.453	3013032.945	755021.508
		2021	3897675.067	3076784.235	820890.832
		2022	4027307.132	3137548.211	889758.922
		2023	4156698.720	3195235.800	961462.920
		2024	4285772.226	3249911.615	1035860.61
		2025	4410759.298	3300982.790	1109776.51
		2026	4531411.064	3347392.435	1184018.63
		2027	4651145.233	3390882.995	1260262.24
		2028	4769837.872	3431522.046	1338315.83
		2029	4887747.179	3469545.364	1418201.81
2030	4997632.895	3503846.522	1493786.37		
2031	5103301.991	3534223.973	1569078.02		
2032	5207593.613	3562312.330	1645281.28		
2033	5310556.138	3588171.272	1722384.87		
2034	5412542.816	3612110.278	1800432.54		
2035	5500522.473	3632252.122	1868270.35		
2036	5588149.640	3650717.051	1937432.59		
2037	5674667.886	3667812.573	2006855.31		
2038	5760391.289	3683605.158	2076786.13		
2039	5845459.234	3698341.844	2147117.39		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.321	168.190
		1992	240642.531	240002.633	639.898
		1993	329362.093	327711.487	1650.607
		1994	418569.515	415263.057	3306.458
		1995	509110.357	503293.457	5816.900
		1996	600040.117	590800.956	9239.161
		1997	691159.071	677458.019	13701.052
		1998	782866.899	763594.771	19272.128
		1999	881526.925	854906.677	26620.248
		2000	977880.647	942770.597	35110.050

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

2001	1076787.404	1031424.906	45362.498
2002	1174842.754	1117644.524	57198.229
2003	1275102.681	1204179.548	70923.133
2004	1371026.306	1285316.071	85710.234
2005	1473954.509	1370342.220	103612.289
2006	1574450.828	1451405.214	123045.614
2007	1673790.211	1529533.783	144256.429
2008	1782360.738	1612696.475	169664.262
2009	1892944.209	1694773.222	198170.987
2010	2002131.282	1773608.086	228523.197
2011	2114522.152	1852055.039	262467.114
2012	2228079.372	1928845.435	299233.937
2013	2345377.689	2005359.853	340017.836
2014	2462498.422	2078950.132	383548.290
2015	2581450.312	2151818.441	429631.871
2016	2701959.301	2222788.274	479171.027
2017	2823834.967	2291734.414	532100.553
2018	2938265.081	2354458.196	583806.885
2019	3053254.880	2414848.308	638406.572
2020	3167073.216	2472612.543	694460.673
2021	3279517.699	2527751.854	751765.845
2022	3392060.964	2580427.539	811633.424
2023	3504296.171	2630549.546	873746.626
2024	3616019.231	2677987.719	938031.512
2025	3724611.269	2722473.362	1002137.91
2026	3827181.707	2763004.157	1064177.55
2027	3928684.441	2801019.881	1127664.56
2028	4029124.892	2836723.228	1192401.66
2029	4128269.068	2869975.172	1258293.90
2030	4221560.174	2900244.829	1321315.34
2031	4304170.584	2925634.370	1378536.21
2032	4384930.537	2948946.593	1435983.94
2033	4464357.691	2970513.746	1493843.94
2034	4542251.545	2990275.534	1551976.01
2035	4611066.648	3007252.249	1603814.40
2036	4670309.230	3020844.493	1649464.74
2037	4728179.514	3033281.147	1694898.37
2038	4785008.048	3044732.325	1740275.72
2039	4841291.793	3055326.228	1785965.57

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	239816.504	204094.530
		35-39	1146798.555	613682.920	533115.635
		40-44	2609591.408	1358666.518	1250924.89
		45-49	4775841.753	2448555.456	2327286.30
		50-54	7446969.205	3959651.342	3487317.86
		55-59	8240205.925	4807956.411	3432249.51
		60-64	8772829.118	5535017.102	3237812.02
		65-69	6161494.678	4266638.275	1894856.40
		70-74	2495906.274	1788605.751	707300.523
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	142557.807	86582.753
		35-39	570217.942	348439.739	221778.203
		40-44	1267538.938	752138.817	515400.121
		45-49	2340070.698	1366889.580	973181.118
		50-54	3743803.613	2203579.007	1540224.61
		55-59	4591478.168	2825688.643	1765789.52
		60-64	5207367.788	3324878.089	1882489.70
		65-69	4092181.394	2752558.850	1339622.54
70-74		1776092.171	1212633.542	563458.629	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	51829.887	14235.130
		35-39	232509.414	183977.007	48532.407
		40-44	688628.041	533363.552	155264.490
		45-49	1528300.367	1147409.328	380891.039
		50-54	2730187.229	2017674.140	712513.089
		55-59	3909101.673	2871957.553	1037144.12
		60-64	4287716.660	3238941.662	1048775.00
		65-69	3467897.115	2668893.292	799003.822
		70-74	1312144.343	1026412.623	285731.721
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40732.329	11180.783
		35-39	189792.904	149210.915	40581.990
		40-44	527596.573	397917.169	129679.404
		45-49	1122524.269	815710.077	306814.192
		50-54	1882214.322	1338380.027	543834.295
		55-59	2595581.943	1822411.068	773170.875
		60-64	2846273.090	2034852.911	811420.179
		65-69	2358758.394	1704881.747	653876.647
70-74		937814.238	685908.646	251905.592	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	118815.005	145019.561
		35-39	692140.150	297645.792	394494.358
		40-44	1519708.432	595505.777	924202.655
		45-49	2568546.697	924445.228	1644101.47
		50-54	3632929.903	1360704.534	2272225.37
		55-59	2807892.356	1112244.669	1695647.69
		60-64	2599825.934	1203707.207	1396118.73
		65-69	1113578.307	588263.816	525314.492
		70-74	437536.271	263295.189	174241.081
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	38067.857	41581.240
		35-39	193965.908	82072.478	111893.430
		40-44	403380.974	152659.080	250721.894
		45-49	671385.408	235863.780	435521.628
		50-54	1011875.989	380959.618	630916.372
		55-59	849875.715	347953.697	501922.018
		60-64	925490.876	440152.897	485337.980
		65-69	455463.881	247740.195	207723.686
70-74		207681.216	126244.430	81436.786	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	43194.711	30268.938
		35-39	151934.057	86708.410	65225.646
		40-44	262845.974	142071.869	120774.106
		45-49	383421.246	193725.500	189695.746
		50-54	479872.634	220590.236	259282.397
		55-59	437124.903	186412.254	250712.649
		60-64	419457.235	182487.316	236969.919
		65-69	128180.574	58394.696	69785.878
		70-74	53245.965	26449.553	26796.412
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	40155.757	22763.334

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

		35-39	120806.205	72900.669	47905.537
		40-44	203391.885	113905.377	89486.508
		45-49	278172.097	144656.637	133515.460
		50-54	325979.181	158286.049	167693.132
		55-59	275161.340	125800.686	149360.653
		60-64	268920.493	124660.432	144260.061
		65-69	87956.054	42380.098	45575.955
		70-74	42055.224	21107.966	20947.258
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	25976.900	14570.901
		35-39	70214.933	45351.710	24863.223
		40-44	138408.960	87725.320	50683.640
		45-49	295573.443	182975.400	112598.043
		50-54	603979.438	360682.431	243297.007
		55-59	1086086.992	637341.935	448745.057
		60-64	1465829.290	909880.917	555948.373
		65-69	1451838.682	951086.471	500752.211
		70-74	692979.695	472448.386	220531.308
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	23601.864	11057.397
		35-39	65652.924	44255.678	21397.246
		40-44	133169.505	87657.190	45512.315
		45-49	267988.924	170659.086	97329.838
		50-54	523734.121	325953.314	197780.807
		55-59	870859.170	529523.192	341335.978
		60-64	1166683.329	725211.849	441471.479
		65-69	1190003.066	757556.810	432446.255
		70-74	588541.493	379372.500	209168.994
		75-79	0.000	0.000	0.000

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	239832.128	204078.906
		35-39	1146798.555	613802.017	532996.538
		40-44	2609591.408	1359445.246	1250146.16
		45-49	4775841.753	2452049.626	2323792.13
		50-54	7446969.205	3970318.093	3476651.11
		55-59	8240205.925	4825336.045	3414869.88
		60-64	8772829.118	5564465.317	3208363.80
		65-69	6161494.678	4291889.249	1869605.43
		70-74	2495906.274	1802472.112	693434.162
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	142561.788	86578.773
		35-39	570217.942	348469.625	221748.317
		40-44	1267538.938	752331.684	515207.254
		45-49	2340070.698	1367751.556	972319.142
		50-54	3743803.613	2206319.900	1537483.71
		55-59	4591478.168	2831013.302	1760464.87
		60-64	5207367.788	3335144.487	1872223.30
		65-69	4092181.394	2763650.425	1328530.97
70-74		1776092.171	1219787.554	556304.616	
Lung cancer	Males	30-34	66065.017	51833.535	14231.482
		35-39	232509.414	184016.955	48492.460
		40-44	688628.041	533711.097	154916.944
		45-49	1528300.367	1149263.107	379037.260
		50-54	2730187.229	2023716.029	706471.201
		55-59	3909101.673	2883088.298	1026013.37
		60-64	4287716.660	3257280.107	1030436.55
		65-69	3467897.115	2684783.800	783113.314
		70-74	1312144.343	1034443.885	277700.459
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40733.627	11179.486
		35-39	189792.904	149224.860	40568.044
		40-44	527596.573	398029.036	129567.537
		45-49	1122524.269	816260.367	306263.902
		50-54	1882214.322	1340151.799	542062.523
		55-59	2595581.943	1825985.103	769596.840
		60-64	2846273.090	2041396.143	804876.947
		65-69	2358758.394	1711710.662	647047.732
70-74		937814.238	689937.994	247876.243	
IHD	Males	30-34	263834.566	118822.449	145012.117
		35-39	692140.150	297697.458	394442.693
		40-44	1519708.432	595791.323	923917.109
		45-49	2568546.697	925466.558	1643080.14
		50-54	3632929.903	1363367.597	2269562.31
		55-59	2807892.356	1114650.973	1693241.38
		60-64	2599825.934	1207156.696	1392669.24
		65-69	1113578.307	589760.714	523817.593
		70-74	437536.271	264097.462	173438.808
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	38068.867	41580.230
		35-39	193965.908	82078.749	111887.159
		40-44	403380.974	152690.251	250690.723
		45-49	671385.408	235970.984	435414.424
		50-54	1011875.989	381265.655	630610.334
		55-59	849875.715	348289.863	501585.852
		60-64	925490.876	440769.018	484721.858
		65-69	455463.881	248093.882	207369.999
70-74		207681.216	126490.094	81191.122	
Stroke	Males	30-34	73463.650	43197.185	30266.464
		35-39	151934.057	86723.969	65210.088
		40-44	262845.974	142145.603	120700.372
		45-49	383421.246	193966.452	189454.794
		50-54	479872.634	221091.007	258781.626
		55-59	437124.903	186916.729	250208.175
		60-64	419457.235	183158.622	236298.612
		65-69	128180.574	58578.102	69602.472
		70-74	53245.965	26542.276	26703.689
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	40156.671	22762.419

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_3.RTF)

		35-39	120806.205	72905.725	47900.480	
		40-44	203391.885	113927.796	89464.090	
		45-49	278172.097	144723.196	133448.902	
		50-54	325979.181	158421.040	167558.141	
		55-59	275161.340	125943.473	149217.867	
		60-64	268920.493	124871.891	144048.602	
		65-69	87956.054	42452.415	45503.639	
		70-74	42055.224	21154.932	20900.291	
		75-79	0.000	0.000	0.000	
COPD	Males	30-34	40547.801	25978.958	14568.843	
		35-39	70214.933	45363.636	24851.297	
		40-44	138408.960	87797.223	50611.737	
		45-49	295573.443	183353.509	112219.934	
		50-54	603979.438	362143.460	241835.978	
		55-59	1086086.992	640680.045	445406.947	
		60-64	1465829.290	916869.892	548959.398	
		65-69	1451838.682	958766.632	493072.050	
		70-74	692979.695	477388.488	215591.206	
			75-79	0.000	0.000	0.000
		Female	30-34	34659.261	23602.623	11056.638
			35-39	65652.924	44260.290	21392.634
			40-44	133169.505	87684.601	45484.905
			45-49	267988.924	170797.010	97191.914
			50-54	523734.121	326481.406	197252.714
			55-59	870859.170	530794.863	340064.307
			60-64	1166683.329	728107.435	438575.894
			65-69	1190003.066	761393.466	428609.600
			70-74	588541.493	382204.534	206336.960
			75-79	0.000	0.000	0.000

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

Estimated Loss of Life from the E Component for Run: 6, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	24701771.528	17391776.4
	Female	2039	23817891.273	14764752.856	9053138.42
Lung cancer	Males	2039	18222549.860	13617455.197	4605094.66
	Female	2039	12512468.845	8903315.492	3609153.35
IHD	Males	2039	15635992.616	6326655.141	9309337.48
	Female	2039	4798769.065	2012865.918	2785903.15
Stroke	Males	2039	2389546.238	1123435.669	1266110.57
	Female	2039	1665361.569	833939.012	831422.557
COPD	Males	2039	5845459.234	3634225.521	2211233.71
	Female	2039	4841291.793	3014632.434	1826659.36

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	24799506.893	17294041.1
	Female	2039	23817891.273	14801459.004	9016432.27
Lung cancer	Males	2039	18222549.860	13677785.825	4544764.04
	Female	2039	12512468.845	8926203.269	3586265.58
IHD	Males	2039	15635992.616	6337497.125	9298495.49
	Female	2039	4798769.065	2014665.197	2784103.87
Stroke	Males	2039	2389546.238	1125547.886	1263998.35
	Female	2039	1665361.569	834591.630	830769.940
COPD	Males	2039	5845459.234	3658676.057	2186783.18
	Female	2039	4841291.793	3025998.909	1815292.88

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798430.243	32253.588
		1993	5076567.803	5000923.083	75644.720
		1994	6292145.526	6149907.287	142238.240
		1995	7485537.010	7250000.691	235536.319
		1996	8655955.028	8299175.440	356779.587
		1997	9791729.713	9286939.139	504790.574
		1998	10899134.186	10220952.679	678181.506
		1999	12070409.674	11160375.044	910034.631
		2000	13231384.595	12059136.525	1172248.07
		2001	14371761.018	12907449.045	1464311.97
		2002	15508906.386	13717868.663	1791037.72
		2003	16638100.422	14490693.232	2147407.19
		2004	17736465.088	15215586.345	2520878.74
		2005	18834658.606	15913958.656	2920699.95
		2006	19909100.501	16565920.650	3343179.85
		2007	20958321.463	17179299.644	3779021.82
		2008	22000068.148	17768326.736	4231741.41
		2009	23018816.903	18324401.905	4694415.00
		2010	24018480.537	18849013.608	5169466.93
		2011	25003034.574	19345887.257	5657147.32
		2012	25969871.429	19813776.126	6156095.30
		2013	26920275.180	20254795.092	6665480.09
		2014	27849005.227	20667297.970	7181707.26
		2015	28749620.400	21054956.799	7694663.60
		2016	29622417.562	21409098.809	8213318.75
		2017	30462559.724	21732484.015	8730075.71
		2018	31293299.299	22042404.738	9250894.56
		2019	32109993.427	22334360.135	9775633.29
		2020	32883323.977	22605374.287	10277949.7
		2021	33610102.554	22839168.999	10770933.6
		2022	34322010.448	23057536.133	11264474.3
		2023	35018383.550	23260609.789	11757773.8
		2024	35700177.955	23449537.619	12250640.3
		2025	36315500.346	23619748.491	12695751.9
		2026	36896159.343	23763119.854	13133039.5
		2027	37462570.116	23895518.605	13567051.5
		2028	38015337.780	24017136.231	13998201.5
		2029	38554814.764	24129090.923	14425723.8
		2030	39003805.400	24224985.346	14778820.1
		2031	39436509.703	24305474.964	15131034.7
2032	39858470.458	24379280.471	15479190.0		
2033	40270147.082	24446339.077	15823808.0		
2034	40672665.743	24507581.250	16165084.5		
2035	40962732.664	24554663.378	16408069.3		
2036	41255021.653	24596447.578	16658574.1		
2037	41540573.023	24634843.256	16905729.8		
2038	41820158.066	24669819.368	17150338.7		
2039	42093547.949	24701771.528	17391776.4		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.280	2964.972
		1992	1777346.679	1766095.451	11251.228
		1993	2380261.899	2353258.183	27003.716
		1994	2983130.039	2931304.293	51825.746
		1995	3588982.584	3501918.504	87064.080
		1996	4195430.235	4060489.456	134940.779
		1997	4793866.694	4600541.972	193324.722
		1998	5389747.381	5126306.403	263440.978
		1999	6006722.467	5652348.525	354373.942
		2000	6625758.871	6167450.342	458308.528
		2001	7245135.411	6667646.336	577489.075
		2002	7867492.021	7155069.475	712422.546
		2003	8485051.793	7624938.202	860113.591
		2004	9092994.774	8073839.552	1019155.22
		2005	9706032.803	8513007.829	1193024.97
		2006	10311907.548	8932769.286	1379138.26
		2007	10909437.502	9335200.316	1574237.19
		2008	11506462.491	9722158.753	1784303.74
		2009	12098393.287	10095493.935	2002899.35
		2010	12681188.981	10450480.987	2230707.99

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

		2011	13260062.991	10790107.369	2469955.62
		2012	13839417.441	11116981.184	2722436.26
		2013	14409614.758	11427944.582	2981670.18
		2014	14976658.746	11723394.443	3253264.30
		2015	15529977.821	12001906.825	3528071.00
		2016	16066640.764	12259716.517	3806924.25
		2017	16590035.078	12500428.251	4089606.83
		2018	17098716.137	12727507.408	4371208.73
		2019	17599868.850	12941554.078	4658314.77
		2020	18081346.241	13141431.538	4939914.70
		2021	18537594.460	13320804.310	5216790.15
		2022	18985300.234	13488650.075	5496650.16
		2023	19423958.747	13645394.455	5778564.29
		2024	19853347.772	13790919.183	6062428.59
		2025	20252822.245	13923425.570	6329396.67
		2026	20619307.063	14037392.980	6581914.08
		2027	20976063.406	14142328.568	6833734.84
		2028	21323641.947	14239217.805	7084424.14
		2029	21662117.106	14327987.035	7334130.07
		2030	21960971.694	14405613.455	7555358.24
		2031	22224951.983	14468134.710	7756817.27
		2032	22480397.853	14524796.729	7955601.12
		2033	22728639.455	14576544.958	8152094.50
		2034	22970448.888	14623452.845	8346996.04
		2035	23164154.188	14661216.707	8502937.48
		2036	23334538.616	14690893.403	8643645.21
		2037	23499760.723	14717792.150	8781968.57
		2038	23660308.401	14742308.462	8917999.94
		2039	23817891.273	14764752.856	9053138.42
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747588.075	2446.817
		1993	2319752.308	2313791.229	5961.079
		1994	2872597.339	2861038.486	11558.853
		1995	3411494.825	3391822.933	19671.892
		1996	3945569.726	3914467.085	31102.641
		1997	4463316.362	4417481.123	45835.240
		1998	4975301.180	4910729.852	64571.329
		1999	5473691.125	5386148.025	87543.099
		2000	5977500.570	5861226.155	116274.415
		2001	6474795.516	6324076.735	150718.781
		2002	6968769.705	6777184.436	191585.269
		2003	7460282.140	7220576.059	239706.081
		2004	7947048.275	7652137.705	294910.570
		2005	8430571.669	8072833.174	357738.495
		2006	8903945.390	8475949.279	427996.111
		2007	9364177.982	8859246.017	504931.965
		2008	9822525.458	9231294.329	591231.130
		2009	10275228.886	9589191.862	686037.024
		2010	10720275.500	9931631.911	788643.589
		2011	11155356.373	10256720.807	898635.566
		2012	11582611.617	10565148.448	1017463.17
		2013	11998803.791	10855380.173	1143423.62
		2014	12402087.090	11126804.871	1275282.22
		2015	12793451.706	11381228.441	1412223.26
		2016	13160101.653	11609990.244	1550111.41
		2017	13503583.414	11815535.998	1688047.42
		2018	13859755.737	12017655.858	1842099.88
		2019	14211625.176	12208015.677	2003609.50
		2020	14553935.288	12385431.642	2168503.65
		2021	14851747.495	12531734.970	2320012.53
		2022	15144531.004	12667941.314	2476589.69
		2023	15431932.496	12794177.219	2637755.28
		2024	15713920.740	12911096.487	2802824.25
		2025	15979112.816	13016673.915	2962438.90
		2026	16206550.153	13100481.953	3106068.20
		2027	16428826.050	13177344.622	3251481.43
		2028	16645902.186	13247526.069	3398376.12
		2029	16858126.517	13311797.734	3546328.78
		2030	17045220.687	13366984.396	3678236.29
		2031	17208482.610	13410275.144	3798207.47
		2032	17367586.074	13449734.085	3917851.99
		2033	17522716.280	13485414.778	4037301.50
		2034	17674226.555	13517901.973	4156324.58
		2035	17792201.734	13542969.095	4249232.64
		2036	17903508.236	13564171.143	4339337.09
		2037	18012162.345	13583626.780	4428535.56
		2038	18118464.470	13601298.066	4517166.40

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

		2039	18222549.860	13617455.197	4605094.66
	Female	1990	307897.357	307897.357	0.000
		1991	616547.418	616130.924	416.494
		1992	931086.773	929436.971	1649.803
		1993	1246155.671	1242092.972	4062.699
		1994	1561212.934	1553211.413	8001.522
		1995	1879967.742	1866026.677	13941.065
		1996	2197488.109	2175319.873	22168.237
		1997	2515698.453	2482586.734	33111.719
		1998	2836249.556	2789128.364	47121.192
		1999	3150201.390	3086011.268	64190.122
		2000	3472722.342	3387348.313	85374.029
		2001	3796994.889	3685984.057	111010.832
		2002	4126619.935	3984759.365	141860.570
		2003	4454982.533	4277458.758	177523.775
		2004	4784343.030	4565508.358	218834.672
		2005	5113443.121	4847554.352	265888.769
		2006	5442543.963	5122984.922	319559.040
		2007	5772441.497	5392491.350	379950.147
		2008	6091911.943	5646776.842	445135.101
		2009	6413671.330	5895424.385	518246.945
		2010	6730763.530	6133707.576	597055.953
		2011	7043614.101	6361366.608	682247.493
		2012	7356270.780	6581317.100	774953.680
		2013	7662551.964	6789356.952	873195.012
		2014	7964551.465	6987062.033	977489.432
		2015	8254895.403	7170928.558	1083966.84
		2016	8530661.848	7338359.738	1192302.11
		2017	8795826.122	7492931.238	1302894.88
		2018	9067233.707	7643246.367	1423987.34
		2019	9335343.270	7784599.754	1550743.52
		2020	9596110.883	7916446.192	1679664.69
		2021	9833186.859	8031338.940	1801847.92
		2022	10066452.037	8138411.363	1928040.67
		2023	10295503.609	8237956.204	2057547.40
		2024	10520125.318	8329914.498	2190210.82
		2025	10731915.863	8413211.553	2318704.31
		2026	10917495.549	8482374.017	2435121.53
		2027	11098620.885	8545685.180	2552935.70
		2028	11275441.234	8603817.616	2671623.62
		2029	11447962.710	8656758.088	2791204.62
		2030	11601867.623	8702601.309	2899266.31
		2031	11731666.516	8738244.924	2993421.59
		2032	11857585.969	8770422.612	3087163.36
		2033	11980128.625	8799688.564	3180440.06
		2034	12099562.464	8826136.743	3273425.72
		2035	12195919.946	8847043.955	3348875.99
		2036	12278201.969	8863135.218	3415066.75
		2037	12358146.336	8877745.771	3480400.57
		2038	12435978.633	8891079.887	3544898.75
		2039	12512468.845	8903315.492	3609153.35
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483220.731	26377.883
		1993	1992735.299	1931276.300	61458.999
		1994	2462877.575	2348185.678	114691.897
		1995	2928249.390	2739473.211	188776.178
		1996	3377377.730	3093551.211	283826.519
		1997	3809062.472	3410611.863	398450.609
		1998	4222213.867	3691417.243	530796.624
		1999	4708317.743	3994919.519	713398.224
		2000	5182084.396	4266257.175	915827.221
		2001	5644097.705	4505775.074	1138322.63
		2002	6107232.129	4722649.000	1384583.13
		2003	6561785.704	4914082.170	1647703.53
		2004	6996156.348	5078886.508	1917269.84
		2005	7426261.361	5226119.659	2200141.70
		2006	7849012.694	5354930.170	2494082.52
		2007	8255300.530	5466012.019	2789288.51
		2008	8650662.040	5563344.658	3087317.38
		2009	9030818.513	5647942.536	3382875.98
		2010	9403026.327	5722832.920	3680193.41
		2011	9767535.506	5789049.940	3978485.57
		2012	10123044.281	5847875.188	4275169.09
		2013	10470104.786	5900042.217	4570062.57
		2014	10807756.112	5946551.202	4861204.91
		2015	11130681.425	5987616.913	5143064.51
		2016	11448966.506	6024769.671	5424196.83

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

		2017	11758164.882	6058283.604	5699881.28
		2018	12054448.241	6087513.905	5966934.34
		2019	12341606.261	6114010.068	6227596.19
		2020	12600728.939	6136658.114	6464070.83
		2021	12861767.105	6157936.967	6703830.14
		2022	13114168.616	6177429.328	6936739.29
		2023	13357894.797	6195185.972	7162708.82
		2024	13593848.521	6211549.378	7382299.14
		2025	13789177.359	6224764.030	7564413.33
		2026	13993401.656	6237885.919	7755515.74
		2027	14190519.224	6250181.913	7940337.31
		2028	14381193.356	6261512.646	8119680.71
		2029	14565171.927	6271963.075	8293208.85
		2030	14697381.605	6279497.653	8417883.95
		2031	14842203.512	6287545.218	8554658.29
		2032	14982485.826	6295183.602	8687302.22
		2033	15118410.647	6302231.809	8816178.84
		2034	15250284.398	6308728.694	8941555.70
		2035	15322911.166	6312297.732	9010613.43
		2036	15405115.031	6316220.225	9088894.81
		2037	15484709.137	6319968.243	9164740.89
		2038	15561812.193	6323474.015	9238338.18
		2039	15635992.616	6326655.141	9309337.48
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.343	1865.120
		1992	439962.920	432979.891	6983.029
		1993	584735.615	568173.156	16562.459
		1994	727640.783	696315.202	31325.581
		1995	868486.937	816701.784	51785.153
		1996	1010321.847	930831.448	79490.400
		1997	1144230.930	1032350.537	111880.392
		1998	1274513.622	1124531.419	149982.202
		1999	1426725.938	1224609.652	202116.286
		2000	1573462.680	1314058.606	259404.074
		2001	1719132.015	1394709.145	324422.870
		2002	1863006.732	1466975.652	396031.080
		2003	2002943.227	1530641.905	472301.322
		2004	2137798.705	1586085.892	551712.813
		2005	2271071.245	1635845.201	635226.044
		2006	2400707.731	1679089.914	721617.817
		2007	2523634.512	1716093.679	807540.834
		2008	2648752.232	1749912.596	898839.636
		2009	2765973.961	1778719.742	987254.219
		2010	2881329.235	1804433.125	1076896.11
		2011	2994972.694	1827292.539	1167680.15
		2012	3108958.829	1847980.700	1260978.13
		2013	3218140.416	1866254.713	1351885.70
		2014	3328387.914	1883048.764	1445339.15
		2015	3435342.796	1898242.028	1537100.77
		2016	3539189.408	1911855.718	1627333.69
		2017	3640041.363	1924061.263	1715980.10
		2018	3732645.362	1934401.429	1798243.93
		2019	3821421.978	1943610.472	1877811.51
		2020	3902115.950	1951512.318	1950603.63
		2021	3984301.053	1959028.940	2025272.11
		2022	4062629.299	1965725.566	2096903.73
		2023	4137348.729	1971761.703	2165587.03
		2024	4208611.493	1977187.050	2231424.44
		2025	4269419.492	1981675.922	2287743.57
		2026	4330969.998	1985972.315	2344997.68
		2027	4389134.306	1989835.609	2399298.70
		2028	4444222.970	1993349.614	2450873.36
		2029	4496447.877	1996572.850	2499875.03
		2030	4536975.698	1999004.765	2537970.93
		2031	4578338.586	2001399.289	2576939.30
		2032	4617397.784	2003590.184	2613807.60
		2033	4654407.697	2005632.493	2648775.20
		2034	4689913.454	2007549.345	2682364.11
		2035	4712518.190	2008706.943	2703811.25
		2036	4735845.827	2009857.357	2725988.47
		2037	4757958.806	2010920.985	2747037.82
		2038	4778813.806	2011919.983	2766893.82
		2039	4798769.065	2012865.918	2785903.15
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220289.086	2677.192
		1993	296801.879	290423.462	6378.416
		1994	372453.706	360097.916	12355.789

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

	1995	448401.338	427506.107	20895.230
	1996	523536.301	491376.653	32159.648
	1997	596763.211	550624.885	46138.326
	1998	667546.681	604887.335	62659.346
	1999	734925.407	653620.413	81304.994
	2000	803749.361	700423.247	103326.114
	2001	870081.588	742486.830	127594.759
	2002	935347.140	781030.345	154316.795
	2003	1001627.349	817145.788	184481.561
	2004	1066587.976	849901.603	216686.373
	2005	1130548.052	879557.811	250990.240
	2006	1195132.454	906968.710	288163.744
	2007	1258974.043	931766.688	327207.355
	2008	1320124.867	953383.097	366741.770
	2009	1380776.123	972972.487	407803.636
	2010	1440048.533	990493.521	449555.012
	2011	1497484.847	1006027.702	491457.145
	2012	1554496.526	1019998.928	534497.598
	2013	1610819.598	1032590.373	578229.224
	2014	1667484.890	1044081.089	623403.800
	2015	1720948.287	1054111.871	666836.415
	2016	1775699.228	1063457.134	712242.094
	2017	1830250.175	1071988.819	758261.355
	2018	1875958.950	1078581.185	797377.765
	2019	1920359.232	1084481.729	835877.503
	2020	1960605.297	1089483.215	871122.083
	2021	1998912.887	1093876.011	905036.877
	2022	2036003.696	1097809.171	938194.525
	2023	2071857.536	1101330.493	970527.043
	2024	2106636.468	1104525.448	1002111.02
	2025	2136450.873	1107124.199	1029326.67
	2026	2164796.470	1109433.178	1055363.29
	2027	2192079.608	1111538.183	1080541.42
	2028	2218404.367	1113441.072	1104963.30
	2029	2243769.140	1115173.608	1128595.53
	2030	2263570.213	1116479.318	1147090.89
	2031	2282521.590	1117676.235	1164845.35
	2032	2300804.945	1118781.896	1182023.05
	2033	2318464.018	1119795.181	1198668.84
	2034	2335611.973	1120732.475	1214879.50
	2035	2347097.290	1121347.675	1225749.62
	2036	2358248.747	1121923.422	1236325.33
	2037	2369033.655	1122467.099	1246566.56
	2038	2379490.114	1122973.728	1256516.39
	2039	2389546.238	1123435.669	1266110.57
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.693	515.169
	1992	165654.454	163676.389	1978.065
	1993	220008.519	215282.789	4725.731
	1994	275706.807	266521.417	9185.390
	1995	331417.547	315912.374	15505.173
	1996	387580.161	363568.300	24011.861
	1997	442778.242	408202.323	34575.919
	1998	496117.305	449143.844	46973.461
	1999	548268.214	486968.487	61299.728
	2000	601693.202	523494.782	78198.419
	2001	652221.103	555849.656	96371.446
	2002	703022.600	586135.164	116887.436
	2003	752023.351	613259.368	138763.983
	2004	799826.733	637711.680	162115.053
	2005	847563.928	660278.170	187285.758
	2006	894205.027	680561.347	213643.680
	2007	939571.282	698650.038	240921.244
	2008	983437.578	714711.301	268726.277
	2009	1025803.786	728939.556	296864.230
	2010	1066964.934	741562.961	325401.973
	2011	1106954.044	752759.435	354194.610
	2012	1146108.461	762802.101	383306.360
	2013	1183544.689	771617.014	411927.675
	2014	1221220.945	779718.220	441502.725
	2015	1258289.311	787115.986	471173.325
	2016	1294830.207	793804.360	501025.847
	2017	1330332.626	799779.827	530552.799
	2018	1360571.987	804486.244	556085.743
	2019	1389848.723	808666.327	581182.396
	2020	1416046.192	812175.692	603870.500
	2021	1440588.850	815213.386	625375.464
	2022	1464157.934	817909.025	646248.909

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

		2023	1486810.237	820326.468	666483.769
		2024	1508591.729	822485.387	686106.342
		2025	1526875.621	824213.346	702662.275
		2026	1543659.810	825694.005	717965.805
		2027	1559623.774	827016.622	732607.153
		2028	1574852.850	828210.761	746642.090
		2029	1589437.452	829294.893	760142.559
		2030	1600568.199	830085.614	770482.586
		2031	1610776.297	830776.729	779999.568
		2032	1620483.563	831405.385	789078.178
		2033	1629745.442	831984.394	797761.048
		2034	1638721.425	832521.704	806199.721
		2035	1644649.404	832857.052	811792.352
		2036	1650181.590	833155.690	817025.900
		2037	1655476.066	833432.463	822043.603
		2038	1660507.914	833692.828	826815.085
		2039	1665361.569	833939.012	831422.557
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347332.352	751.695
		1993	467278.318	465432.092	1846.226
		1994	584216.907	580585.206	3631.701
		1995	697391.457	691198.439	6193.018
		1996	809471.271	799780.492	9690.779
		1997	922587.668	908221.267	14366.400
		1998	1034072.457	1013918.249	20154.208
		1999	1153475.399	1125687.086	27788.314
		2000	1268050.268	1231229.948	36820.320
		2001	1382786.209	1335110.407	47675.802
		2002	1497557.412	1437004.882	60552.529
		2003	1614405.229	1538889.215	75516.014
		2004	1726672.489	1634660.529	92011.960
		2005	1847277.524	1735448.012	111829.512
		2006	1961009.963	1828072.491	132937.472
		2007	2079868.908	1922274.921	157593.988
		2008	2206755.783	2020304.653	186451.130
		2009	2331993.380	2114295.021	217698.360
		2010	2455130.176	2204055.256	251074.921
		2011	2582657.849	2294088.808	288569.040
		2012	2709719.005	2380753.563	328965.442
		2013	2840547.005	2466782.330	373764.676
		2014	2971677.135	2549860.809	421816.327
		2015	3104538.983	2631999.574	472539.409
		2016	3237650.175	2710881.760	526768.415
		2017	3370561.253	2786675.594	583885.659
		2018	3503136.371	2858653.790	644482.581
		2019	3636402.758	2927852.661	708550.097
		2020	3768054.453	2993801.317	774253.136
		2021	3897675.067	3055621.052	842054.014
		2022	4027307.132	3114356.320	912950.812
		2023	4156698.720	3169916.104	986782.616
		2024	4285772.226	3222366.306	1063405.92
		2025	4410759.298	3271186.348	1139572.95
		2026	4531411.064	3315318.804	1216092.26
		2027	4651145.233	3356453.887	1294691.35
		2028	4769837.872	3394656.444	1375181.43
		2029	4887747.179	3430156.506	1457590.67
2030	4997632.895	3462023.979	1535608.92		
2031	5103301.991	3489978.367	1613323.62		
2032	5207593.613	3515580.888	1692012.72		
2033	5310556.138	3538897.308	1771658.83		
2034	5412542.816	3560218.109	1852324.71		
2035	5500522.473	3578048.876	1922473.60		
2036	5588149.640	3594132.787	1994016.85		
2037	5674667.886	3608781.134	2065886.75		
2038	5760391.289	3622073.558	2138317.73		
2039	5845459.234	3634225.521	2211233.71		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.321	168.190
		1992	240642.531	240002.200	640.331
		1993	329362.093	327709.266	1652.828
		1994	418569.515	415256.262	3313.253
		1995	509110.357	503277.669	5832.689
		1996	600040.117	590769.836	9270.281
		1997	691159.071	677402.378	13756.692
		1998	782866.899	763502.776	19364.122
		1999	881526.925	854759.119	26767.807
		2000	977880.647	942548.641	35332.006

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

2001	1076787.404	1031103.477	45683.927
2002	1174842.754	1117199.294	57643.460
2003	1275102.681	1203578.171	71524.510
2004	1371026.306	1284533.622	86492.684
2005	1473954.509	1369330.105	104624.404
2006	1574450.828	1450133.102	124317.726
2007	1673790.211	1527965.250	145824.962
2008	1782360.738	1610758.014	171602.723
2009	1892944.209	1692410.251	200533.959
2010	2002131.282	1770777.324	231353.958
2011	2114522.152	1848688.787	265833.365
2012	2228079.372	1924881.283	303198.089
2013	2345377.689	2000715.903	344661.786
2014	2462498.422	2073565.426	388932.996
2015	2581450.312	2145620.253	435830.058
2016	2701959.301	2215696.701	486262.600
2017	2823834.967	2283655.923	540179.045
2018	2938265.081	2345373.368	592891.713
2019	3053254.880	2404677.525	648577.355
2020	3167073.216	2461297.335	705775.881
2021	3279517.699	2515223.044	764294.655
2022	3392060.964	2566604.120	825456.844
2023	3504296.171	2615350.080	888946.092
2024	3616019.231	2661332.247	954686.984
2025	3724611.269	2704324.749	1020286.52
2026	3827181.707	2743352.644	1083829.06
2027	3928684.441	2779791.157	1148893.28
2028	4029124.892	2813839.814	1215285.08
2029	4128269.068	2845361.203	1282907.86
2030	4221560.174	2873921.767	1347638.41
2031	4304170.584	2897713.769	1406456.82
2032	4384930.537	2919378.548	1465551.99
2033	4464357.691	2939239.507	1525118.18
2034	4542251.545	2957245.053	1585006.49
2035	4611066.648	2972608.757	1638457.89
2036	4670309.230	2984745.138	1685564.09
2037	4728179.514	2995692.931	1732486.58
2038	4785008.048	3005615.764	1779392.28
2039	4841291.793	3014632.434	1826659.36

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798442.181	32241.650
		1993	5076567.803	5000977.348	75590.455
		1994	6292145.526	6150056.919	142088.607
		1995	7485537.010	7250322.468	235214.541
		1996	8655955.028	8299769.784	356185.244
		1997	9791729.713	9287924.846	503804.867
		1998	10899134.186	10222465.396	676668.789
		1999	12070409.674	11162603.990	907805.685
		2000	13231384.595	12062284.119	1169100.48
		2001	14371761.018	12911714.644	1460046.37
		2002	15508906.386	13723471.860	1785434.53
		2003	16638100.422	14497857.031	2140243.39
		2004	17736465.088	15224510.380	2511954.71
		2005	18834658.606	15924882.825	2909775.78
		2006	19909100.501	16579015.908	3330084.59
		2007	20958321.463	17194747.438	3763574.03
		2008	22000068.148	17786348.454	4213719.69
		2009	23018816.903	18345165.667	4673651.24
		2010	24018480.537	18872674.865	5145805.67
		2011	25003034.574	19372597.636	5630436.94
		2012	25969871.429	19843647.942	6126223.49
		2013	26920275.180	20287940.294	6632334.89
		2014	27849005.227	20703792.936	7145212.29
		2015	28749620.400	21094901.598	7654718.80
		2016	29622417.562	21452461.245	8169956.32
		2017	30462559.724	21779227.061	8683332.66
		2018	31293299.299	22092622.602	9200676.70
		2019	32109993.427	22388085.142	9721908.28
		2020	32883323.977	22662621.588	10220702.4
		2021	33610102.554	22899647.976	10710454.6
		2022	34322010.448	23121215.430	11200795.0
		2023	35018383.550	23327442.193	11690941.4
		2024	35700177.955	23519470.982	12180707.0
		2025	36315500.346	23692700.220	12622800.1
		2026	36896159.343	23838715.787	13057443.6
		2027	37462570.116	23973671.430	13488898.7
		2028	38015337.780	24097749.688	13917588.1
		2029	38554814.764	24212068.356	14342746.4
		2030	39003805.400	24310167.165	14693638.2
2031	39436509.703	24392537.928	15043971.8		
2032	39858470.458	24468123.590	15390346.9		
2033	40270147.082	24536853.486	15733293.6		
2034	40672665.743	24599670.850	16072994.9		
2035	40962732.664	24648091.760	16314640.9		
2036	41255021.653	24691061.059	16563960.6		
2037	41540573.023	24730570.343	16810002.7		
2038	41820158.066	24766585.768	17053572.3		
2039	42093547.949	24799506.893	17294041.1		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.280	2964.972
		1992	1777346.679	1766097.480	11249.199
		1993	2380261.899	2353268.051	26993.848
		1994	2983130.039	2931333.045	51796.994
		1995	3588982.584	3501983.236	86999.348
		1996	4195430.235	4060613.869	134816.366
		1997	4793866.694	4600756.266	193110.428
		1998	5389747.381	5126648.013	263099.368
		1999	6006722.467	5652864.948	353857.519
		2000	6625758.871	6168197.950	457560.920
		2001	7245135.411	6668683.693	576451.718
		2002	7867492.021	7156460.618	711031.403
		2003	8485051.793	7626752.095	858299.698
		2004	9092994.774	8076140.594	1016854.18
		2005	9706032.803	8515871.591	1190161.21
		2006	10311907.548	8936261.753	1375645.80
		2007	10909437.502	9339391.721	1570045.78
		2008	11506462.491	9727122.372	1779340.12
		2009	12098393.287	10101301.693	1997091.59
		2010	12681188.981	10457193.743	2223995.24

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

		2011	13260062.991	10797787.690	2462275.30
		2012	13839417.441	11125697.066	2713720.38
		2013	14409614.758	11437752.501	2971862.26
		2014	14976658.746	11734346.147	3242312.60
		2015	15529977.821	12014052.611	3515925.21
		2016	16066640.764	12273075.507	3793565.26
		2017	16590035.078	12515031.909	4075003.17
		2018	17098716.137	12743389.228	4355326.91
		2019	17599868.850	12958742.166	4641126.68
		2020	18081346.241	13159949.463	4921396.78
		2021	18537594.460	13340628.047	5196966.41
		2022	18985300.234	13509787.724	5475512.51
		2023	19423958.747	13667847.420	5756111.33
		2024	19853347.772	13814677.972	6038669.80
		2025	20252822.245	13948476.633	6304345.61
		2026	20619307.063	14063645.736	6555661.33
		2027	20976063.406	14169756.027	6806307.38
		2028	21323641.947	14267793.906	7055848.04
		2029	21662117.106	14357674.480	7304442.63
		2030	21960971.694	14436364.461	7524607.23
		2031	22224951.983	14499788.364	7725163.62
		2032	22480397.853	14557302.891	7923094.96
		2033	22728639.455	14609862.476	8118776.98
		2034	22970448.888	14657532.353	8312916.53
		2035	23164154.188	14695980.478	8468173.71
		2036	23334538.616	14726199.862	8608338.75
		2037	23499760.723	14753600.239	8746160.48
		2038	23660308.401	14778582.130	8881726.27
		2039	23817891.273	14801459.004	9016432.27
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747593.856	2441.036
		1993	2319752.308	2313817.616	5934.691
		1994	2872597.339	2861111.856	11485.482
		1995	3411494.825	3391982.228	19512.598
		1996	3945569.726	3914766.197	30803.529
		1997	4463316.362	4417985.376	45330.986
		1998	4975301.180	4911520.064	63781.116
		1999	5473691.125	5387310.753	86380.371
		2000	5977500.570	5862885.898	114614.672
		2001	6474795.516	6326360.906	148434.610
		2002	6968769.705	6780234.295	188535.409
		2003	7460282.140	7224540.622	235741.518
		2004	7947048.275	7657172.074	289876.201
		2005	8430571.669	8079094.829	351476.839
		2006	8903945.390	8483579.712	420365.678
		2007	9364177.982	8868375.284	495802.698
		2008	9822525.458	9242075.873	580449.585
		2009	10275228.886	9601765.990	673462.897
		2010	10720275.500	9946127.115	774148.385
		2011	11155356.373	10273243.214	882113.159
		2012	11582611.617	10583786.770	998824.846
		2013	11998803.791	10876204.505	1122599.29
		2014	12402087.090	11149868.484	1252218.61
		2015	12793451.706	11406584.707	1386867.00
		2016	13160101.653	11637585.746	1522515.91
		2017	13503583.414	11845312.250	1658271.16
		2018	13859755.737	12049732.067	1810023.67
		2019	14211625.176	12242412.582	1969212.59
		2020	14553935.288	12422157.351	2131777.94
		2021	14851747.495	12570512.423	2281235.07
		2022	15144531.004	12708745.014	2435785.99
		2023	15431932.496	12836970.300	2594962.20
		2024	15713920.740	12955836.989	2758083.75
		2025	15979112.816	13063303.268	2915809.55
		2026	16206550.153	13148674.446	3057875.71
		2027	16428826.050	13227038.773	3201787.28
		2028	16645902.186	13298656.271	3347245.92
		2029	16858126.517	13364299.670	3493826.85
		2030	17045220.687	13420761.507	3624459.18
		2031	17208482.610	13465066.715	3743415.89
		2032	17367586.074	13505479.940	3862106.13
		2033	17522716.280	13542051.853	3980664.43
		2034	17674226.555	13575375.400	4098851.16
		2035	17792201.734	13601152.935	4191048.80
		2036	17903508.236	13622947.324	4280560.91
		2037	18012162.345	13642958.461	4369203.88
		2038	18118464.470	13661146.739	4457317.73

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

	Female	2039	18222549.860	13677785.825	4544764.04
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.924	416.494
		1992	931086.773	929438.086	1648.687
		1993	1246155.671	1242098.384	4057.287
		1994	1561212.934	1553227.295	7985.639
		1995	1879967.742	1866062.864	13904.878
		1996	2197488.109	2175390.029	22098.080
		1997	2515698.453	2482709.127	32989.325
		1998	2836249.556	2789326.342	46923.214
		1999	3150201.390	3086309.261	63892.128
		2000	3472722.342	3387783.271	84939.071
		2001	3796994.889	3686593.507	110401.383
		2002	4126619.935	3985587.691	141032.244
		2003	4454982.533	4278552.616	176429.918
		2004	4784343.030	4566916.715	217426.316
		2005	5113443.121	4849325.745	264117.376
		2006	5442543.963	5125170.556	317373.407
		2007	5772441.497	5395146.635	377294.861
		2008	6091911.943	5649940.627	441971.316
		2009	6413671.330	5899151.017	514520.313
		2010	6730763.530	6138042.759	592720.771
		2011	7043614.101	6366351.633	677262.468
		2012	7356270.780	6587000.690	769270.090
		2013	7662551.964	6795772.517	866779.447
		2014	7964551.465	6994246.061	970305.404
		2015	8254895.403	7178902.738	1075992.66
		2016	8530661.848	7347124.290	1183537.56
		2017	8795826.122	7502497.679	1293328.44
		2018	9067233.707	7653655.910	1413577.80
		2019	9335343.270	7795868.395	1539474.88
		2020	9596110.883	7928586.433	1667524.45
		2021	9833186.859	8044311.458	1788875.40
		2022	10066452.037	8152217.342	1914234.69
		2023	10295503.609	8252592.280	2042911.33
		2024	10520125.318	8345370.081	2174755.24
		2025	10731915.863	8429473.034	2302442.83
		2026	10917495.549	8499358.342	2418137.21
		2027	11098620.885	8563370.992	2535249.89
		2028	11275441.234	8622184.756	2653256.48
		2029	11447962.710	8675779.571	2772183.14
		2030	11601867.623	8722243.684	2879623.94
		2031	11731666.516	8758393.456	2973273.06
		2032	11857585.969	8791046.248	3066539.72
		2033	11980128.625	8820761.665	3159366.96
		2034	12099562.464	8847629.835	3251932.63
		2035	12195919.946	8868909.868	3327010.08
		2036	12278201.969	8885286.826	3392915.14
		2037	12358146.336	8900161.276	3457985.06
		2038	12435978.633	8913740.110	3522238.52
		2039	12512468.845	8926203.269	3586265.58
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483225.121	26373.494
		1993	1992735.299	1931295.936	61439.363
		1994	2462877.575	2348238.773	114638.802
		1995	2928249.390	2739585.510	188663.880
		1996	3377377.730	3093752.577	283625.153
		1997	3809062.472	3410934.852	398127.620
		1998	4222213.867	3691893.278	530320.590
		1999	4708317.743	3995618.650	712699.093
		2000	5182084.396	4267224.832	914859.564
		2001	5644097.705	4507046.995	1137050.71
		2002	6107232.129	4724264.200	1382967.93
		2003	6561785.704	4916066.754	1645718.95
		2004	6996156.348	5081251.702	1914904.65
		2005	7426261.361	5228884.908	2197376.45
		2006	7849012.694	5358099.281	2490913.41
		2007	8255300.530	5469580.029	2785720.50
		2008	8650662.040	5567310.147	3083351.89
		2009	9030818.513	5652296.120	3378522.39
		2010	9403026.327	5727567.319	3675459.01
		2011	9767535.506	5794154.816	3973380.69
		2012	10123044.281	5853340.826	4269703.45
		2013	10470104.786	5905856.322	4564248.46
		2014	10807756.112	5952701.862	4855054.25
		2015	11130681.425	5994092.717	5136588.71
		2016	11448966.506	6031561.010	5417405.50

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

		2017	11758164.882	6065379.405	5692785.48
		2018	12054448.241	6094882.190	5959566.05
		2019	12341606.261	6121638.851	6219967.41
		2020	12600728.939	6144534.428	6456194.51
		2021	12861767.105	6166050.162	6695716.94
		2022	13114168.616	6185767.908	6928400.71
		2023	13357894.797	6203739.165	7154155.63
		2024	13593848.521	6220309.548	7373538.97
		2025	13789177.359	6233715.879	7555461.48
		2026	13993401.656	6247027.438	7746374.22
		2027	14190519.224	6259506.924	7931012.30
		2028	14381193.356	6271013.324	8110180.03
		2029	14565171.927	6281631.512	8283540.42
		2030	14697381.605	6289308.358	8408073.25
		2031	14842203.512	6297507.341	8544696.17
		2032	14982485.826	6305292.764	8677193.06
		2033	15118410.647	6312480.890	8805929.76
		2034	15250284.398	6319111.169	8931173.23
		2035	15322911.166	6322768.782	9000142.38
		2036	15405115.031	6326788.758	9078326.27
		2037	15484709.137	6330632.271	9154076.87
		2038	15561812.193	6334229.914	9227582.28
		2039	15635992.616	6337497.125	9298495.49
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.343	1865.120
		1992	439962.920	432980.360	6982.560
		1993	584735.615	568175.367	16560.248
		1994	727640.783	696321.461	31319.322
		1995	868486.937	816715.416	51771.521
		1996	1010321.847	930856.887	79464.960
		1997	1144230.930	1032392.490	111838.440
		1998	1274513.622	1124595.104	149918.518
		1999	1426725.938	1224705.904	202020.034
		2000	1573462.680	1314194.248	259268.431
		2001	1719132.015	1394890.321	324241.694
		2002	1863006.732	1467207.773	395798.959
		2003	2002943.227	1530929.097	472014.130
		2004	2137798.705	1586430.794	551367.911
		2005	2271071.245	1636251.452	634819.794
		2006	2400707.731	1679557.872	721149.859
		2007	2523634.512	1716622.440	807012.072
		2008	2648752.232	1750504.163	898248.069
		2009	2765973.961	1779372.004	986601.957
		2010	2881329.235	1805145.886	1076183.35
		2011	2994972.694	1828064.935	1166907.76
		2012	3108958.829	1848811.990	1260146.84
		2013	3218140.416	1867143.276	1350997.14
		2014	3328387.914	1883994.461	1444393.45
		2015	3435342.796	1899245.040	1536097.76
		2016	3539189.408	1912914.770	1626274.64
		2017	3640041.363	1925174.808	1714866.56
		2018	3732645.362	1935564.325	1797081.04
		2019	3821421.978	1944820.375	1876601.60
		2020	3902115.950	1952766.942	1949349.01
		2021	3984301.053	1960328.761	2023972.29
		2022	4062629.299	1967068.111	2095561.19
		2023	4137348.729	1973145.063	2164203.67
		2024	4208611.493	1978608.948	2230002.55
		2025	4269419.492	1983134.013	2286285.48
		2026	4330969.998	1987466.540	2343503.46
		2027	4389134.306	1991363.659	2397770.65
		2028	4444222.970	1994909.595	2449313.37
		2029	4496447.877	1998163.067	2498284.81
		2030	4536975.698	2000621.855	2536353.84
		2031	4578338.586	2003043.437	2575295.15
		2032	4617397.784	2005259.605	2612138.18
		2033	4654407.697	2007326.005	2647081.69
		2034	4689913.454	2009265.832	2680647.62
		2035	4712518.190	2010441.063	2702077.13
		2036	4735845.827	2011609.188	2724236.64
		2037	4757958.806	2012689.426	2745269.38
		2038	4778813.806	2013704.165	2765109.64
		2039	4798769.065	2014665.197	2784103.87
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220289.704	2676.574
		1993	296801.879	290426.292	6375.587
		1994	372453.706	360105.901	12347.804

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

	1995	448401.338	427523.438	20877.900
	1996	523536.301	491408.722	32127.579
	1997	596763.211	550677.661	46085.550
	1998	667546.681	604966.980	62579.701
	1999	734925.407	653732.596	81192.811
	2000	803749.361	700577.508	103171.852
	2001	870081.588	742689.373	127392.216
	2002	935347.140	781288.627	154058.513
	2003	1001627.349	817466.844	184160.505
	2004	1066587.976	850291.244	216296.732
	2005	1130548.052	880020.663	250527.389
	2006	1195132.454	907509.955	287622.499
	2007	1258974.043	932389.116	326584.928
	2008	1320124.867	954085.497	366039.370
	2009	1380776.123	973756.400	407019.723
	2010	1440048.533	991358.840	448689.693
	2011	1497484.847	1006973.647	490511.200
	2012	1554496.526	1021023.616	533472.911
	2013	1610819.598	1033693.188	577126.410
	2014	1667484.890	1045260.516	622224.373
	2015	1720948.287	1055365.952	665582.335
	2016	1775699.228	1064785.379	710913.849
	2017	1830250.175	1073389.677	756860.498
	2018	1875958.950	1080043.354	795915.596
	2019	1920359.232	1086002.024	834357.207
	2020	1960605.297	1091058.317	869546.980
	2021	1998912.887	1095501.718	903411.169
	2022	2036003.696	1099482.280	936521.415
	2023	2071857.536	1103048.137	968809.400
	2024	2106636.468	1106285.342	1000351.13
	2025	2136450.873	1108922.909	1027527.96
	2026	2164796.470	1111267.457	1053529.01
	2027	2192079.608	1113406.016	1078673.59
	2028	2218404.367	1115340.367	1103064.00
	2029	2243769.140	1117102.380	1126666.76
	2030	2263570.213	1118433.490	1145136.72
	2031	2282521.590	1119654.241	1162867.35
	2032	2300804.945	1120782.431	1180022.51
	2033	2318464.018	1121816.971	1196647.05
	2034	2335611.973	1122774.517	1212837.46
	2035	2347097.290	1123405.005	1223692.29
	2036	2358248.747	1123995.326	1234253.42
	2037	2369033.655	1124553.112	1244480.54
	2038	2379490.114	1125073.259	1254416.85
	2039	2389546.238	1125547.886	1263998.35
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.693	515.169
	1992	165654.454	163676.540	1977.914
	1993	220008.519	215283.501	4725.018
	1994	275706.807	266523.451	9183.356
	1995	331417.547	315916.874	15500.673
	1996	387580.161	363576.792	24003.369
	1997	442778.242	408216.569	34561.673
	1998	496117.305	449165.754	46951.551
	1999	548268.214	487000.068	61268.146
	2000	601693.202	523538.852	78154.349
	2001	652221.103	555908.002	96313.100
	2002	703022.600	586210.082	116812.518
	2003	752023.351	613352.580	138670.771
	2004	799826.733	637824.692	162002.041
	2005	847563.928	660412.628	187151.300
	2006	894205.027	680718.619	213486.407
	2007	939571.282	698830.780	240740.502
	2008	983437.578	714915.902	268521.676
	2009	1025803.786	729168.236	296635.550
	2010	1066964.934	741815.674	325149.260
	2011	1106954.044	753036.114	353917.930
	2012	1146108.461	763102.559	383005.902
	2013	1183544.689	771940.715	411603.974
	2014	1221220.945	780065.451	441155.494
	2015	1258289.311	787487.295	470802.017
	2016	1294830.207	794199.425	500630.782
	2017	1330332.626	800198.256	530134.370
	2018	1360571.987	804924.823	555647.164
	2019	1389848.723	809124.129	580724.593
	2020	1416046.192	812651.753	603394.440
	2021	1440588.850	815706.490	624882.360
	2022	1464157.934	818418.182	645739.753

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

		2023	1486810.237	820850.902	665959.335
		2024	1508591.729	823024.183	685567.546
		2025	1526875.621	824765.433	702110.188
		2026	1543659.810	826258.018	717401.792
		2027	1559623.774	827591.695	732032.079
		2028	1574852.850	828796.204	746056.646
		2029	1589437.452	829890.067	759547.385
		2030	1600568.199	830689.260	769878.939
		2031	1610776.297	831387.983	779388.313
		2032	1620483.563	832023.720	788459.844
		2033	1629745.442	832609.413	797136.029
		2034	1638721.425	833153.053	805568.373
		2035	1644649.404	833493.307	811156.097
		2036	1650181.590	833796.371	816385.219
		2037	1655476.066	834077.309	821398.757
		2038	1660507.914	834341.640	826166.274
		2039	1665361.569	834591.630	830769.940
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347333.501	750.546
		1993	467278.318	465437.503	1840.814
		1994	584216.907	580600.388	3616.518
		1995	697391.457	691231.292	6160.164
		1996	809471.271	799842.288	9628.983
		1997	922587.668	908326.956	14260.712
		1998	1034072.457	1014085.074	19987.383
		1999	1153475.399	1125941.991	27533.408
		2000	1268050.268	1231595.880	36454.388
		2001	1382786.209	1335617.371	47168.839
		2002	1497557.412	1437684.738	59872.674
		2003	1614405.229	1539782.810	74622.419
		2004	1726672.489	1635795.360	90877.129
		2005	1847277.524	1736882.425	110395.099
		2006	1961009.963	1829826.960	131183.004
		2007	2079868.908	1924403.009	155465.899
		2008	2206755.783	2022876.936	183878.846
		2009	2331993.380	2117347.157	214646.223
	2010	2455130.176	2207621.591	247508.586	
	2011	2582657.849	2298225.959	284431.890	
	2012	2709719.005	2385496.730	324222.275	
	2013	2840547.005	2472186.280	368360.725	
	2014	2971677.135	2555962.074	415715.062	
	2015	3104538.983	2638858.222	465680.761	
	2016	3237650.175	2718529.111	519121.064	
	2017	3370561.253	2795145.729	575415.524	
	2018	3503136.371	2867964.992	635171.380	
	2019	3636402.758	2938031.685	698371.073	
	2020	3768054.453	3004871.492	763182.961	
	2021	3897675.067	3067583.672	830091.394	
	2022	4027307.132	3127220.227	900086.905	
	2023	4156698.720	3183684.592	973014.128	
	2024	4285772.226	3237039.102	1048733.12	
	2025	4410759.298	3286758.164	1124001.13	
	2026	4531411.064	3331746.445	1199664.62	
	2027	4651145.233	3373719.717	1277425.52	
	2028	4769837.872	3412739.726	1357098.15	
	2029	4887747.179	3449034.795	1438712.38	
2030	4997632.895	3481663.810	1515969.08		
2031	5103301.991	3510309.631	1592992.36		
2032	5207593.613	3536568.455	1671025.16		
2033	5310556.138	3560503.772	1750052.37		
2034	5412542.816	3582409.765	1830133.05		
2035	5500522.473	3600765.038	1899757.43		
2036	5588149.640	3617329.650	1970819.99		
2037	5674667.886	3632426.498	2042241.39		
2038	5760391.289	3646135.856	2114255.43		
2039	5845459.234	3658676.057	2186783.18		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.321	168.190
		1992	240642.531	240002.494	640.038
		1993	329362.093	327710.799	1651.294
		1994	418569.515	415260.838	3308.677
		1995	509110.357	503288.082	5822.275
		1996	600040.117	590790.161	9249.957
		1997	691159.071	677438.081	13720.990
		1998	782866.899	763560.813	19306.086
		1999	881526.925	854849.714	26677.211
		2000	977880.647	942681.578	35199.069

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

2001	1076787.404	1031291.863	45495.541
2002	1174842.754	1117455.072	57387.682
2003	1275102.681	1203917.803	71184.878
2004	1371026.306	1284968.394	86057.912
2005	1473954.509	1369881.767	104072.742
2006	1574450.828	1450814.707	123636.121
2007	1673790.211	1528791.866	144998.345
2008	1782360.738	1611761.680	170599.057
2009	1892944.209	1693610.436	199333.774
2010	2002131.282	1772189.424	229941.858
2011	2114522.152	1850335.008	264187.144
2012	2228079.372	1926781.827	301297.545
2013	2345377.689	2002895.993	342481.696
2014	2462498.422	2076040.173	386458.249
2015	2581450.312	2148417.538	433032.774
2016	2701959.301	2218837.022	483122.279
2017	2823834.967	2287161.166	536673.801
2018	2938265.081	2349244.171	589020.910
2019	3053254.880	2408929.266	644325.613
2020	3167073.216	2465944.335	701128.881
2021	3279517.699	2520281.338	759236.361
2022	3392060.964	2572084.089	819976.875
2023	3504296.171	2621259.174	883036.997
2024	3616019.231	2667674.760	948344.471
2025	3724611.269	2711104.152	1013507.12
2026	3827181.707	2750562.835	1076618.87
2027	3928684.441	2787429.681	1141254.76
2028	4029124.892	2821903.351	1207221.54
2029	4128269.068	2853841.774	1274427.29
2030	4221560.174	2882809.662	1338750.51
2031	4304170.584	2906963.487	1397207.10
2032	4384930.537	2928973.319	1455957.22
2033	4464357.691	2949165.393	1515192.30
2034	4542251.545	2967483.635	1574767.91
2035	4611066.648	2983136.239	1627930.41
2036	4670309.230	2995507.477	1674801.75
2037	4728179.514	3006672.229	1721507.29
2038	4785008.048	3016796.216	1768211.83
2039	4841291.793	3025998.909	1815292.88

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	237645.047	206265.987
		35-39	1146798.555	607183.896	539614.659
		40-44	2609591.408	1340963.673	1268627.73
		45-49	4775841.753	2410944.078	2364897.67
		50-54	7446969.205	3897681.478	3549287.73
		55-59	8240205.925	4741132.307	3499073.62
		60-64	8772829.118	5470840.242	3301988.88
		65-69	6161494.678	4224449.199	1937045.48
		70-74	2495906.274	1770931.607	724974.667
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	141723.201	87417.360
		35-39	570217.942	345968.260	224249.682
		40-44	1267538.938	745477.464	522061.474
		45-49	2340070.698	1352098.255	987972.443
		50-54	3743803.613	2177044.859	1566758.75
		55-59	4591478.168	2790971.403	1800506.76
		60-64	5207367.788	3288019.082	1919348.71
65-69		4092181.394	2723839.158	1368342.24	
Lung cancer	Males	30-34	66065.017	51601.830	14463.187
		35-39	232509.414	183033.221	49476.193
		40-44	688628.041	529826.268	158801.773
		45-49	1528300.367	1137926.121	390374.246
		50-54	2730187.229	1998935.835	731251.394
		55-59	3909101.673	2842457.746	1066643.93
		60-64	4287716.660	3210443.670	1077272.99
		65-69	3467897.115	2645917.096	821980.019
		70-74	1312144.343	1017313.410	294830.934
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40567.955	11345.158
		35-39	189792.904	148539.147	41253.757
		40-44	527596.573	395444.517	132152.056
		45-49	1122524.269	809217.348	313306.921
		50-54	1882214.322	1325845.526	556368.796
		55-59	2595581.943	1802603.581	792978.362
		60-64	2846273.090	2014728.719	831544.370
65-69		2358758.394	1687647.373	671111.021	
IHD	Males	30-34	263834.566	117246.624	146587.942
		35-39	692140.150	292966.375	399173.775
		40-44	1519708.432	583184.577	936523.855
		45-49	2568546.697	900043.068	1668503.63
		50-54	3632929.903	1324682.713	2308247.19
		55-59	2807892.356	1086722.408	1721169.95
		60-64	2599825.934	1181887.579	1417938.35
		65-69	1113578.307	579812.441	533765.867
		70-74	437536.271	260109.357	177426.913
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	37660.585	41988.512
		35-39	193965.908	80871.377	113094.531
		40-44	403380.974	149727.259	253653.715
		45-49	671385.408	230039.892	441345.516
		50-54	1011875.989	371628.983	640247.006
		55-59	849875.715	340589.032	509286.683
		60-64	925490.876	432840.310	492650.567
65-69		455463.881	244588.790	210875.091	
Stroke	Males	30-34	73463.650	42949.914	30513.736
		35-39	151934.057	86103.800	65830.257
		40-44	262845.974	140873.180	121972.794
		45-49	383421.246	191639.315	191781.931
		50-54	479872.634	217325.324	262547.310
		55-59	437124.903	182862.690	254262.213
		60-64	419457.235	178664.598	240792.637
		65-69	128180.574	57160.684	71019.890
		70-74	53245.965	25856.164	27389.801
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	39985.990	22933.100

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

		35-39	120806.205	72509.323	48296.883
		40-44	203391.885	113142.981	90248.904
		45-49	278172.097	143361.328	134810.770
		50-54	325979.181	156339.858	169639.323
		55-59	275161.340	123777.738	151383.601
		60-64	268920.493	122472.658	146447.835
		65-69	87956.054	41637.814	46318.240
		70-74	42055.224	20711.323	21343.901
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	25846.679	14701.122
		35-39	70214.933	45080.500	25134.434
		40-44	138408.960	87079.648	51329.312
		45-49	295573.443	181335.574	114237.869
		50-54	603979.438	356737.606	247241.832
		55-59	1086086.992	629089.463	456997.529
		60-64	1465829.290	899844.395	565984.895
		65-69	1451838.682	941558.979	510279.703
		70-74	692979.695	467652.676	225327.018
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	23508.671	11150.590
		35-39	65652.924	44048.413	21604.511
		40-44	133169.505	87162.706	46006.799
		45-49	267988.924	169479.688	98509.236
		50-54	523734.121	323230.492	200503.628
		55-59	870859.170	524001.052	346858.117
		60-64	1166683.329	717977.395	448705.933
		65-69	1190003.066	749965.182	440037.884
		70-74	588541.493	375258.834	213282.660
		75-79	0.000	0.000	0.000

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	237660.081	206250.953
		35-39	1146798.555	607297.521	539501.034
		40-44	2609591.408	1341701.728	1267889.68
		45-49	4775841.753	2414250.246	2361591.51
		50-54	7446969.205	3907781.563	3539187.64
		55-59	8240205.925	4757726.206	3482479.72
		60-64	8772829.118	5499351.007	3273478.11
		65-69	6161494.678	4249180.053	1912314.63
		70-74	2495906.274	1784558.489	711347.785
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	141727.085	87413.476
		35-39	570217.942	345997.267	224220.674
		40-44	1267538.938	745664.038	521874.899
		45-49	2340070.698	1352930.309	987140.389
		50-54	3743803.613	2179684.877	1564118.74
		55-59	4591478.168	2796103.911	1795374.26
		60-64	5207367.788	3298008.153	1909359.64
		65-69	4092181.394	2734706.843	1357474.55
70-74		1776092.171	1206636.521	569455.650	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	51605.421	14459.596
		35-39	232509.414	183072.400	49437.015
		40-44	688628.041	530165.751	158462.290
		45-49	1528300.367	1139732.917	388567.450
		50-54	2730187.229	2004809.090	725378.140
		55-59	3909101.673	2853244.756	1055856.92
		60-64	4287716.660	3228391.355	1059325.30
		65-69	3467897.115	2661537.124	806359.991
		70-74	1312144.343	1025227.011	286917.333
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40569.234	11343.879
		35-39	189792.904	148552.860	41240.045
		40-44	527596.573	395554.031	132042.542
		45-49	1122524.269	809754.312	312769.956
		50-54	1882214.322	1327569.127	554645.195
		55-59	2595581.943	1806066.342	789515.601
		60-64	2846273.090	2021122.085	825151.004
		65-69	2358758.394	1694338.348	664420.046
70-74		937814.238	682676.929	255137.308	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	117253.633	146580.932
		35-39	692140.150	293014.051	399126.099
		40-44	1519708.432	583441.524	936266.908
		45-49	2568546.697	900941.079	1667605.62
		50-54	3632929.903	1327010.759	2305919.14
		55-59	2807892.356	1088823.696	1719068.66
		60-64	2599825.934	1184987.230	1414838.70
		65-69	1113578.307	581176.432	532401.876
		70-74	437536.271	260848.721	176687.549
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	37661.545	41987.551
		35-39	193965.908	80877.209	113088.698
		40-44	403380.974	149755.622	253625.352
		45-49	671385.408	230135.182	441250.226
		50-54	1011875.989	371898.653	639977.337
		55-59	849875.715	340883.324	508992.391
		60-64	925490.876	433394.480	492096.396
		65-69	455463.881	244911.556	210552.325
70-74		207681.216	125147.626	82533.591	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	42952.322	30511.327
		35-39	151934.057	86118.858	65815.198
		40-44	262845.974	140944.289	121901.685
		45-49	383421.246	191870.284	191550.962
		50-54	479872.634	217797.475	262075.159
		55-59	437124.903	183326.968	253797.936
		60-64	419457.235	179276.256	240180.979
		65-69	128180.574	57324.627	70855.947
		70-74	53245.965	25936.807	27309.158
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	39986.885	22932.205

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_3.RTF)

		35-39	120806.205	72514.242	48291.964
		40-44	203391.885	113164.703	90227.183
		45-49	278172.097	143425.355	134746.742
		50-54	325979.181	156467.754	169511.427
		55-59	275161.340	123909.855	151251.485
		60-64	268920.493	122666.736	146253.757
		65-69	87956.054	41703.120	46252.934
		70-74	42055.224	20752.979	21302.245
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	25848.704	14699.097
		35-39	70214.933	45092.212	25122.722
		40-44	138408.960	87150.163	51258.797
		45-49	295573.443	181705.965	113867.478
		50-54	603979.438	358164.240	245815.199
		55-59	1086086.992	632330.787	453756.205
		60-64	1465829.290	906696.166	559133.124
		65-69	1451838.682	949141.870	502696.812
		70-74	692979.695	472545.950	220433.745
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	23509.420	11149.841
		35-39	65652.924	44052.957	21599.968
		40-44	133169.505	87189.683	45979.822
		45-49	267988.924	169615.459	98373.465
		50-54	523734.121	323749.343	199984.777
		55-59	870859.170	525244.390	345614.779
		60-64	1166683.329	720824.851	445858.477
		65-69	1190003.066	753753.819	436249.247
		70-74	588541.493	378058.987	210482.507
		75-79	0.000	0.000	0.000

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

Estimated Loss of Life from the E Component for Run: 8, Simulation: 1

Country: US (United States)

Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	24577017.788	17516530.2
	Female	2039	23817891.273	14700080.837	9117810.44
Lung cancer	Males	2039	18222549.860	13568841.082	4653708.78
	Female	2039	12512468.845	8869151.505	3643317.34
IHD	Males	2039	15635992.616	6272150.818	9363841.80
	Female	2039	4798769.065	1997577.633	2801191.43
Stroke	Males	2039	2389546.238	1116905.583	1272640.66
	Female	2039	1665361.569	830032.985	835328.584
COPD	Males	2039	5845459.234	3619120.306	2226338.93
	Female	2039	4841291.793	3003318.714	1837973.08

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	24673484.460	17420063.5
	Female	2039	23817891.273	14736425.514	9081465.76
Lung cancer	Males	2039	18222549.860	13628643.625	4593906.23
	Female	2039	12512468.845	8891834.834	3620634.01
IHD	Males	2039	15635992.616	6282478.278	9353514.34
	Female	2039	4798769.065	1999300.144	2799468.92
Stroke	Males	2039	2389546.238	1118952.354	1270593.88
	Female	2039	1665361.569	830666.633	834694.936
COPD	Males	2039	5845459.234	3643410.203	2202049.03
	Female	2039	4841291.793	3014623.903	1826667.89

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798425.955	32257.876
		1993	5076567.803	5000903.213	75664.590
		1994	6292145.526	6149850.895	142294.631
		1995	7485537.010	7249876.525	235660.485
		1996	8655955.028	8298937.330	357017.698
		1997	9791729.713	9286529.739	505199.974
		1998	10899134.186	10220296.659	678837.527
		1999	12070409.674	11159335.857	911073.818
		2000	13231384.595	12057605.201	1173779.39
		2001	14371761.018	12905295.109	1466465.91
		2002	15508906.386	13714929.954	1793976.43
		2003	16638100.422	14486809.334	2151291.09
		2004	17736465.088	15210614.559	2525850.53
		2005	18834658.606	15907721.981	2926936.63
		2006	19909100.501	16558236.920	3350863.58
		2007	20958321.463	17169989.421	3788332.04
		2008	22000068.148	17757195.551	4242872.60
		2009	23018816.903	18311263.415	4707553.49
		2010	24018480.537	18833664.799	5184815.74
		2011	25003034.574	19328117.941	5674916.63
		2012	25969871.429	19793370.464	6176500.97
		2013	26920275.180	20231547.022	6688728.16
		2014	27849005.227	20640993.490	7208011.74
		2015	28749620.400	21025482.404	7724138.00
		2016	29622417.562	21376268.525	8246149.04
		2017	30462559.724	21696173.194	8766386.53
		2018	31293299.299	22002311.920	9290987.38
		2019	32109993.427	22290252.472	9819740.96
		2020	32883323.977	22557294.518	10326029.5
		2021	33610102.554	22786993.468	10823109.1
		2022	34322010.448	23001087.557	11320922.9
		2023	35018383.550	23199697.312	11818686.2
		2024	35700177.955	23383961.180	12316216.8
		2025	36315500.346	23549905.214	12765595.1
		2026	36896159.343	23688899.032	13207260.3
		2027	37462570.116	23816796.410	13645773.7
		2028	38015337.780	23933800.132	14081537.6
		2029	38554814.764	24040980.186	14513834.6
		2030	39003805.400	24132930.950	14870874.4
		2031	39436509.703	24209334.473	15227175.2
2032	39858470.458	24279008.404	15579462.1		
2033	40270147.082	24341902.773	15928244.3		
2034	40672665.743	24398849.904	16273815.8		
2035	40962732.664	24442896.673	16519836.0		
2036	41255021.653	24481446.760	16773574.9		
2037	41540573.023	24516604.081	17023968.9		
2038	41820158.066	24548367.249	17271790.8		
2039	42093547.949	24577017.788	17516530.2		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1179606.280	2964.972	
1992		1777346.679	1766094.241	11252.438	
1993		2380261.899	2353252.931	27008.968	
1994		2983130.039	2931288.593	51841.446	
1995		3588982.584	3501882.708	87099.876	
1996		4195430.235	4060418.734	135011.500	
1997		4793866.694	4600418.132	193448.562	
1998		5389747.381	5126099.248	263648.133	
1999		6006722.467	5652011.315	354711.152	
2000		6625758.871	6166934.348	458824.523	
2001		7245135.411	6666892.024	578243.387	
2002		7867492.021	7154015.369	713476.651	
2003		8485051.793	7623518.716	861533.077	
2004		9092994.774	8071984.349	1021010.42	
2005		9706032.803	8510637.010	1195395.79	
2006		10311907.548	8929804.521	1382103.03	
2007		10909437.502	9331574.155	1577863.35	
2008		11506462.491	9717763.751	1788698.74	
2009		12098393.287	10090231.107	2008162.18	
2010		12681188.981	10444243.564	2236945.42	

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

		2011	13260062.991	10782783.562	2477279.43
		2012	13839417.441	11108436.308	2730981.13
		2013	14409614.758	11418064.778	2991549.98
		2014	14976658.746	11712037.108	3264621.64
		2015	15529977.821	11988977.145	3541000.68
		2016	16066640.764	12245110.819	3821529.95
		2017	16590035.078	12484036.733	4105998.34
		2018	17098716.137	12709209.634	4389506.50
		2019	17599868.850	12921219.950	4678648.90
		2020	18081346.241	13119017.858	4962328.38
		2021	18537594.460	13296248.449	5241346.01
		2022	18985300.234	13461829.586	5523470.65
		2023	19423958.747	13616173.720	5807785.03
		2024	19853347.772	13759184.425	6094163.35
		2025	20252822.245	13889276.257	6363545.99
		2026	20619307.063	14000863.568	6618443.50
		2027	20976063.406	14103314.843	6872748.56
		2028	21323641.947	14197643.589	7125998.36
		2029	21662117.106	14283779.814	7378337.29
		2030	21960971.694	14359070.444	7601901.25
		2031	22224951.983	14419371.701	7805580.28
		2032	22480397.853	14473758.556	8006639.30
		2033	22728639.455	14523197.244	8205442.21
		2034	22970448.888	14567763.552	8402685.34
		2035	23164154.188	14603663.907	8560490.28
		2036	23334538.616	14631587.478	8702951.14
		2037	23499760.723	14656712.712	8843048.01
		2038	23660308.401	14679443.996	8980864.40
		2039	23817891.273	14700080.837	9117810.44
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747587.721	2447.171
		1993	2319752.308	2313789.405	5962.902
		1994	2872597.339	2861033.131	11564.207
		1995	3411494.825	3391810.699	19684.126
		1996	3945569.726	3914442.807	31126.919
		1997	4463316.362	4417438.251	45878.111
		1998	4975301.180	4910658.898	64642.283
		1999	5473691.125	5386038.109	87653.016
		2000	5977500.570	5861061.506	116439.064
		2001	6474795.516	6323838.715	150956.801
		2002	6968769.705	6776848.222	191921.483
		2003	7460282.140	7220112.508	240169.632
		2004	7947048.275	7651513.857	295534.419
		2005	8430571.669	8072009.409	358562.260
		2006	8903945.390	8474881.296	429064.094
		2007	9364177.982	8857882.095	506295.887
		2008	9822525.458	9229568.859	592956.599
		2009	10275228.886	9587030.872	688198.014
		2010	10720275.500	9928960.661	791314.839
		2011	11155356.373	10253458.124	901898.249
		2012	11582611.617	10561193.292	1021418.32
		2013	11998803.791	10850638.083	1148165.71
		2014	12402087.090	11121171.061	1280916.03
		2015	12793451.706	11374614.207	1418837.50
		2016	13160101.653	11602325.118	1557776.54
		2017	13503583.414	11806758.424	1696824.99
		2018	13859755.737	12007539.299	1852216.44
		2019	14211625.176	12196405.781	2015219.40
		2020	14553935.288	12372223.870	2181711.42
		2021	14851747.495	12516962.303	2334785.19
		2022	15144531.004	12651473.988	2493057.02
		2023	15431932.496	12775872.671	2656059.82
		2024	15713920.740	12890811.457	2823109.28
		2025	15979112.816	12994423.782	2984689.03
		2026	16206550.153	13076347.862	3130202.29
		2027	16428826.050	13151225.266	3277600.78
		2028	16645902.186	13219318.923	3426583.26
		2029	16858126.517	13281388.458	3576738.06
		2030	17045220.687	13334608.035	3710612.65
		2031	17208482.610	13375985.233	3832497.38
		2032	17367586.074	13413476.586	3954109.49
		2033	17522716.280	13447144.950	4075571.33
		2034	17674226.555	13477548.530	4196678.03
		2035	17792201.734	13501011.118	4291190.62
		2036	17903508.236	13520563.765	4382944.47
		2037	18012162.345	13538364.384	4473797.96
		2038	18118464.470	13554384.624	4564079.85

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

	Female	2039	18222549.860	13568841.082	4653708.78
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.924	416.494
		1992	931086.773	929436.791	1649.982
		1993	1246155.671	1242092.186	4063.485
		1994	1561212.934	1553209.008	8003.926
		1995	1879967.742	1866020.966	13946.776
		1996	2197488.109	2175308.435	22179.674
		1997	2515698.453	2482565.700	33132.752
		1998	2836249.556	2789091.247	47158.309
		1999	3150201.390	3085950.855	64250.535
		2000	3472722.342	3387252.622	85469.721
		2001	3796994.889	3685838.363	111156.526
		2002	4126619.935	3984546.119	142073.817
		2003	4454982.533	4277156.553	177825.980
		2004	4784343.030	4565090.685	219252.345
		2005	5113443.121	4846992.462	266450.658
		2006	5442543.963	5122242.845	320301.118
		2007	5772441.497	5391531.604	380909.892
		2008	6091911.943	5645560.810	446351.133
		2009	6413671.330	5893894.501	519776.829
		2010	6730763.530	6131808.999	598954.531
		2011	7043614.101	6359042.484	684571.617
		2012	7356270.780	6578494.583	777776.197
		2013	7662551.964	6785967.809	876584.155
		2014	7964551.465	6983029.466	981521.999
		2015	8254895.403	7166195.162	1088700.24
		2016	8530661.848	7332871.663	1197790.18
		2017	8795826.122	7486628.785	1309197.34
		2018	9067233.707	7635984.849	1431248.86
		2019	9335343.270	7776279.913	1559063.36
		2020	9596110.883	7906998.733	1689112.15
		2021	9833186.859	8020759.338	1812427.52
		2022	10066452.037	8126601.165	1939850.87
		2023	10295503.609	8224812.657	2070690.95
		2024	10520125.318	8315343.162	2204782.16
		2025	10731915.863	8397224.240	2334691.62
		2026	10917495.549	8465030.611	2452464.94
		2027	11098620.885	8526904.017	2571716.87
		2028	11275441.234	8583529.987	2691911.25
		2029	11447962.710	8634902.487	2813060.22
		2030	11601867.623	8679324.910	2922542.71
		2031	11731666.516	8713659.069	3018007.45
		2032	11857585.969	8744482.791	3113103.18
		2033	11980128.625	8772365.768	3207762.86
		2034	12099562.464	8797402.551	3302159.91
		2035	12195919.946	8817171.815	3378748.13
		2036	12278201.969	8832209.390	3445992.58
		2037	12358146.336	8845750.709	3512395.63
		2038	12435978.633	8858007.355	3577971.28
		2039	12512468.845	8869151.505	3643317.34
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483217.267	26381.348
		1993	1992735.299	1931260.577	61474.722
		1994	2462877.575	2348141.482	114736.093
		1995	2928249.390	2739376.571	188872.819
		1996	3377377.730	3093366.660	284011.070
		1997	3809062.472	3410295.933	398766.539
		1998	4222213.867	3690913.135	531300.732
		1999	4708317.743	3994112.283	714205.461
		2000	5182084.396	4265066.567	917017.829
		2001	5644097.705	4504102.445	1139995.26
		2002	6107232.129	4720374.114	1386858.02
		2003	6561785.704	4911094.114	1650691.59
		2004	6996156.348	5075092.978	1921063.37
		2005	7426261.361	5221408.488	2204852.87
		2006	7849012.694	5349185.426	2499827.27
		2007	8255300.530	5459136.423	2796164.11
		2008	8650662.040	5555240.496	3095421.54
		2009	9030818.513	5638527.135	3392291.38
		2010	9403026.327	5712005.813	3691020.51
		2011	9767535.506	5776717.198	3990818.31
		2012	10123044.281	5833958.593	4289085.69
		2013	10470104.786	5884471.742	4585633.04
		2014	10807756.112	5929262.519	4878493.59
		2015	11130681.425	5968604.605	5162076.82
		2016	11448966.506	6003968.905	5444997.60

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

		2017	11758164.882	6035666.530	5722498.35
		2018	12054448.241	6063009.257	5991438.98
		2019	12341606.261	6087580.050	6254026.21
		2020	12600728.939	6108457.827	6492271.11
		2021	12861767.105	6127835.447	6733931.66
		2022	13114168.616	6145414.324	6968754.29
		2023	13357894.797	6161248.719	7196646.08
		2024	13593848.521	6175673.969	7418174.55
		2025	13789177.359	6187313.896	7601863.46
		2026	13993401.656	6198686.561	7794715.09
		2027	14190519.224	6209245.489	7981273.74
		2028	14381193.356	6218864.582	8162328.77
		2029	14565171.927	6227597.850	8337574.08
		2030	14697381.605	6233946.887	8463434.72
		2031	14842203.512	6240633.399	8601570.11
		2032	14982485.826	6246950.086	8735535.74
		2033	15118410.647	6252714.921	8865695.73
		2034	15250284.398	6257904.686	8992379.71
		2035	15322911.166	6260805.258	9062105.91
		2036	15405115.031	6263943.963	9141171.07
		2037	15484709.137	6266929.142	9217779.99
		2038	15561812.193	6269706.816	9292105.38
		2039	15635992.616	6272150.818	9363841.80
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.343	1865.120
		1992	439962.920	432979.125	6983.795
		1993	584735.615	568169.824	16565.792
		1994	727640.783	696305.366	31335.416
		1995	868486.937	816679.636	51807.302
		1996	1010321.847	930787.705	79534.143
		1997	1144230.930	1032275.175	111955.754
		1998	1274513.622	1124407.353	150106.269
		1999	1426725.938	1224405.744	202320.193
		2000	1573462.680	1313749.482	259713.198
		2001	1719132.015	1394261.956	324870.059
		2002	1863006.732	1466359.583	396647.149
		2003	2002943.227	1529827.464	473115.763
		2004	2137798.705	1585043.277	552755.428
		2005	2271071.245	1634542.846	636528.399
		2006	2400707.731	1677501.762	723205.969
		2007	2523634.512	1714204.906	809429.607
		2008	2648752.232	1747679.765	901072.467
		2009	2765973.961	1776125.873	989848.088
		2010	2881329.235	1801448.517	1079880.72
		2011	2994972.694	1823889.651	1171083.04
		2012	3108958.829	1844122.068	1264836.76
		2013	3218140.416	1861924.999	1356215.42
		2014	3328387.914	1878212.782	1450175.13
		2015	3435342.796	1892888.555	1542454.24
		2016	3539189.408	1905967.014	1633222.39
		2017	3640041.363	1917620.463	1722420.90
		2018	3732645.362	1927424.378	1805220.98
		2019	3821421.978	1936095.536	1885326.44
		2020	3902115.950	1943493.878	1958622.07
		2021	3984301.053	1950468.291	2033832.76
		2022	4062629.299	1956626.734	2106002.56
		2023	4137348.729	1962122.849	2175225.88
		2024	4208611.493	1967015.119	2241596.37
		2025	4269419.492	1971047.964	2298371.53
		2026	4330969.998	1974861.862	2356108.14
		2027	4389134.306	1978247.840	2410886.47
		2028	4444222.970	1981300.909	2462922.06
		2029	4496447.877	1984074.108	2512373.77
		2030	4536975.698	1986166.161	2550809.54
		2031	4578338.586	1988196.113	2590142.47
		2032	4617397.784	1990030.207	2627367.58
		2033	4654407.697	1991727.073	2662680.62
		2034	4689913.454	1993307.874	2696605.58
		2035	4712518.190	1994259.632	2718258.56
		2036	4735845.827	1995190.982	2740654.84
		2037	4757958.806	1996041.118	2761917.69
		2038	4778813.806	1996833.966	2781979.84
		2039	4798769.065	1997577.633	2801191.43
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220288.740	2677.538
		1993	296801.879	290421.781	6380.098
		1994	372453.706	360092.941	12360.765

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

	1995	448401.338	427494.978	20906.360
	1996	523536.301	491355.497	32180.804
	1997	596763.211	550588.566	46174.645
	1998	667546.681	604829.606	62717.075
	1999	734925.407	653534.824	81390.583
	2000	803749.361	700300.703	103448.658
	2001	870081.588	742319.300	127762.289
	2002	935347.140	780807.195	154539.945
	2003	1001627.349	816854.425	184772.924
	2004	1066587.976	849531.018	217056.958
	2005	1130548.052	879095.447	251452.605
	2006	1195132.454	906399.318	288733.135
	2007	1258974.043	931075.829	327898.214
	2008	1320124.867	952559.407	367565.459
	2009	1380776.123	972000.183	408775.940
	2010	1440048.533	989360.259	450688.274
	2011	1497484.847	1004720.891	492763.956
	2012	1554496.526	1018502.384	535994.142
	2013	1610819.598	1030890.539	579929.059
	2014	1667484.890	1042158.153	625326.736
	2015	1720948.287	1051965.704	668982.583
	2016	1775699.228	1061066.285	714632.943
	2017	1830250.175	1069340.573	760909.601
	2018	1875958.950	1075704.210	800254.740
	2019	1920359.232	1081368.680	838990.551
	2020	1960605.297	1086146.535	874458.762
	2021	1998912.887	1090316.668	908596.220
	2022	2036003.696	1094023.359	941980.337
	2023	2071857.536	1097315.121	974542.415
	2024	2106636.468	1100276.484	1006359.98
	2025	2136450.873	1102671.969	1033778.90
	2026	2164796.470	1104779.853	1060016.62
	2027	2192079.608	1106683.504	1085396.10
	2028	2218404.367	1108385.952	1110018.41
	2029	2243769.140	1109917.032	1133852.11
	2030	2263570.213	1111063.982	1152506.23
	2031	2282521.590	1112103.627	1170417.96
	2032	2300804.945	1113054.541	1187750.40
	2033	2318464.018	1113915.735	1204548.28
	2034	2335611.973	1114699.778	1220912.19
	2035	2347097.290	1115212.487	1231884.80
	2036	2358248.747	1115686.041	1242562.71
	2037	2369033.655	1116129.693	1252903.96
	2038	2379490.114	1116540.298	1262949.82
	2039	2389546.238	1116905.583	1272640.66
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.693	515.169
	1992	165654.454	163676.191	1978.263
	1993	220008.519	215281.965	4726.554
	1994	275706.807	266518.928	9187.879
	1995	331417.547	315906.754	15510.794
	1996	387580.161	363557.338	24022.823
	1997	442778.242	408183.215	34595.026
	1998	496117.305	449112.259	47005.046
	1999	548268.214	486919.301	61348.914
	2000	601693.202	523420.450	78272.752
	2001	652221.103	555743.703	96477.399
	2002	703022.600	585989.691	117032.909
	2003	752023.351	613066.993	138956.358
	2004	799826.733	637464.369	162362.364
	2005	847563.928	659967.474	187596.454
	2006	894205.027	680179.338	214025.689
	2007	939571.282	698189.876	241381.406
	2008	983437.578	714165.555	269272.023
	2009	1025803.786	728300.310	297503.476
	2010	1066964.934	740820.705	326144.229
	2011	1106954.044	751906.072	355047.973
	2012	1146108.461	761831.036	384277.424
	2013	1183544.689	770522.129	413022.560
	2014	1221220.945	778488.895	442732.050
	2015	1258289.311	785745.215	472544.096
	2016	1294830.207	792282.866	502547.341
	2017	1330332.626	798100.926	532231.700
	2018	1360571.987	802664.612	557907.376
	2019	1389848.723	806697.782	583150.940
	2020	1416046.192	810070.204	605975.989
	2021	1440588.850	812971.292	627617.558
	2022	1464157.934	815528.513	648629.421

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

COPD	Males	2023	1486810.237	817805.071	669005.166
		2024	1508591.729	819823.508	688768.222
		2025	1526875.621	821430.789	705444.832
		2026	1543659.810	822795.035	720864.774
		2027	1559623.774	824001.113	735622.662
		2028	1574852.850	825081.183	749771.667
		2029	1589437.452	826052.352	763385.100
		2030	1600568.199	826756.484	773811.716
		2031	1610776.297	827364.059	783412.237
		2032	1620483.563	827910.534	792573.029
		2033	1629745.442	828408.345	801337.097
		2034	1638721.425	828866.197	809855.228
		2035	1644649.404	829148.435	815500.969
		2036	1650181.590	829396.252	820785.338
		2037	1655476.066	829623.136	825852.930
		2038	1660507.914	829834.965	830672.949
		2039	1665361.569	830032.985	835328.584
		1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347332.228	751.819
		1993	467278.318	465431.450	1846.867
		1994	584216.907	580583.341	3633.565
		1995	697391.457	691194.277	6197.180
		1996	809471.271	799772.366	9698.905
		1997	922587.668	908206.988	14380.680
		1998	1034072.457	1013895.020	20177.436
		1999	1153475.399	1125650.641	27824.758
		2000	1268050.268	1231176.424	36873.844
		2001	1382786.209	1335034.650	47751.559
		2002	1497557.412	1436900.423	60656.989
		2003	1614405.229	1538748.287	75656.942
		2004	1726672.489	1634476.707	92195.782
		2005	1847277.524	1735208.637	112068.888
		2006	1961009.963	1827770.880	133239.083
		2007	2079868.908	1921895.074	157973.834
		2008	2206755.783	2019826.789	186928.994
		2009	2331993.380	2113705.225	218288.156
		2010	2455130.176	2203338.066	251792.111
		2011	2582657.849	2293221.728	289436.120
		2012	2709719.005	2379716.195	330002.810
2013	2840547.005	2465546.659	375000.347		
2014	2971677.135	2548401.757	423275.379		
2015	3104538.983	2630297.888	474241.095		
2016	3237650.175	2708908.217	528741.958		
2017	3370561.253	2784407.666	586153.586		
2018	3503136.371	2856059.153	647077.218		
2019	3636402.758	2924897.960	711504.798		
2020	3768054.453	2990466.287	777588.166		
2021	3897675.067	3051879.050	845796.016		
2022	4027307.132	3110175.886	917131.246		
2023	4156698.720	3165260.800	991437.920		
2024	4285772.226	3217199.270	1068572.96		
2025	4410759.298	3265495.567	1145263.73		
2026	4531411.064	3309084.756	1222326.31		
2027	4651145.233	3349642.151	1301503.08		
2028	4769837.872	3387230.675	1382607.20		
2029	4887747.179	3422076.846	1465670.33		
2030	4997632.895	3453312.046	1544320.85		
2031	5103301.991	3480612.213	1622689.78		
2032	5207593.613	3505527.192	1702066.42		
2033	5310556.138	3528127.166	1782428.97		
2034	5412542.816	3548696.910	1863845.91		
2035	5500522.473	3565867.811	1934654.66		
2036	5588149.640	3581252.992	2006896.65		
2037	5674667.886	3595180.862	2079487.02		
2038	5760391.289	3607735.511	2152655.78		
2039	5845459.234	3619120.306	2226338.93		
1990	77434.846	77434.846	0.000		
1991	160029.510	159861.321	168.190		
1992	240642.531	240002.134	640.397		
1993	329362.093	327708.956	1653.137		
1994	418569.515	415255.290	3314.225		
1995	509110.357	503275.352	5835.005		
1996	600040.117	590765.257	9274.860		
1997	691159.071	677394.042	13765.029		
1998	782866.899	763488.389	19378.509		
1999	881526.925	854735.415	26791.511		
2000	977880.647	942511.794	35368.853		

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

2001	1076787.404	1031048.001	45739.403
2002	1174842.754	1117119.977	57722.776
2003	1275102.681	1203467.705	71634.976
2004	1371026.306	1284386.018	86640.288
2005	1473954.509	1369134.227	104820.282
2006	1574450.828	1449880.576	124570.252
2007	1673790.211	1527647.769	146142.442
2008	1782360.738	1610357.622	172003.116
2009	1892944.209	1691910.423	201033.786
2010	2002131.282	1770165.343	231965.939
2011	2114522.152	1847945.355	266576.797
2012	2228079.372	1923988.620	304090.752
2013	2345377.689	1999649.842	345727.847
2014	2462498.422	2072305.965	390192.457
2015	2581450.312	2144148.213	437302.099
2016	2701959.301	2213989.275	487970.026
2017	2823834.967	2281686.559	542148.408
2018	2938265.081	2343135.796	595129.284
2019	3053254.880	2402146.718	651108.161
2020	3167073.216	2458455.043	708618.173
2021	3279517.699	2512049.528	767468.171
2022	3392060.964	2563073.174	828987.790
2023	3504296.171	2611433.143	892863.028
2024	3616019.231	2657002.637	959016.594
2025	3724611.269	2699573.263	1025038.01
2026	3827181.707	2738176.060	1089005.65
2027	3928684.441	2774161.874	1154522.57
2028	4029124.892	2807731.510	1221393.38
2029	4128269.068	2838750.867	1289518.20
2030	4221560.174	2866822.889	1354737.29
2031	4304170.584	2890152.459	1414018.12
2032	4384930.537	2911335.023	1473595.51
2033	4464357.691	2930696.058	1533661.63
2034	4542251.545	2948186.931	1594064.61
2035	4611066.648	2963084.025	1647982.62
2036	4670309.230	2974790.854	1695518.38
2037	4728179.514	2985297.749	1742881.77
2038	4785008.048	2994767.711	1790240.34
2039	4841291.793	3003318.714	1837973.08

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798437.893	32245.938
		1993	5076567.803	5000957.484	75610.319
		1994	6292145.526	6150000.565	142144.962
		1995	7485537.010	7250198.424	235338.586
		1996	8655955.028	8299531.970	356423.057
		1997	9791729.713	9287516.048	504213.665
		1998	10899134.186	10221810.446	677323.740
		1999	12070409.674	11161566.551	908843.124
		2000	13231384.595	12060755.475	1170629.12
		2001	14371761.018	12909564.556	1462196.46
		2002	15508906.386	13720538.356	1788368.03
		2003	16638100.422	14493979.871	2144120.55
		2004	17736465.088	15219546.989	2516918.10
		2005	18834658.606	15918656.240	2916002.37
		2006	19909100.501	16571343.767	3337756.73
		2007	20958321.463	17185449.959	3772871.50
		2008	22000068.148	17775230.799	4224837.35
		2009	23018816.903	18332040.862	4686776.04
		2010	24018480.537	18857339.097	5161141.44
		2011	25003034.574	19354839.527	5648195.05
		2012	25969871.429	19823250.208	6146621.22
		2013	26920275.180	20264695.194	6655579.99
		2014	27849005.227	20677484.469	7171520.76
		2015	28749620.400	21065414.175	7684206.23
		2016	29622417.562	21419606.160	8202811.40
		2017	30462559.724	21742877.110	8719682.61
		2018	31293299.299	22052473.617	9240825.68
		2019	32109993.427	22343900.631	9766092.80
		2020	32883323.977	22614440.260	10268883.7
		2021	33610102.554	22847343.249	10762759.3
		2022	34322010.448	23064605.763	11257404.7
		2023	35018383.550	23266331.770	11752051.8
		2024	35700177.955	23453654.426	12246523.5
		2025	36315500.346	23622571.014	12692929.3
		2026	36896159.343	23764159.776	13131999.6
		2027	37462570.116	23894559.465	13568010.7
		2028	38015337.780	24013963.935	14001373.8
		2029	38554814.764	24123442.341	14431372.4
		2030	39003805.400	24217533.540	14786271.9
		2031	39436509.703	24295749.901	15140759.8
2032	39858470.458	24367131.055	15491339.4		
2033	40270147.082	24431619.206	15838527.9		
2034	40672665.743	24490058.037	16182607.7		
2035	40962732.664	24535375.129	16427357.5		
2036	41255021.653	24575035.704	16679985.9		
2037	41540573.023	24611228.499	16929344.5		
2038	41820158.066	24643950.218	17176207.8		
2039	42093547.949	24673484.460	17420063.5		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.280	2964.972
		1992	1777346.679	1766096.270	11250.409
		1993	2380261.899	2353262.800	26999.099
		1994	2983130.039	2931317.349	51812.690
		1995	3588982.584	3501947.455	87035.129
		1996	4195430.235	4060543.187	134887.048
		1997	4793866.694	4600632.508	193234.186
		1998	5389747.381	5126441.010	263306.371
		1999	6006722.467	5652528.003	354194.464
		2000	6625758.871	6167682.388	458076.482
		2001	7245135.411	6667930.049	577205.362
	2002	7867492.021	7155407.502	712084.519	
	2003	8485051.793	7625334.014	859717.779	
	2004	9092994.774	8074287.296	1018707.48	
	2005	9706032.803	8513503.272	1192529.53	
	2006	10311907.548	8933300.146	1378607.40	
	2007	10909437.502	9335769.451	1573668.05	
	2008	11506462.491	9722732.007	1783730.48	
	2009	12098393.287	10096044.224	2002349.06	
	2010	12681188.981	10450962.314	2230226.67	

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

		2011	13260062.991	10790470.365	2469592.63
		2012	13839417.441	11117158.966	2722258.47
		2013	14409614.758	11427879.502	2981735.26
		2014	14976658.746	11722995.234	3253663.51
		2015	15529977.821	12001128.457	3528849.36
		2016	16066640.764	12258473.831	3808166.93
		2017	16590035.078	12498642.224	4091392.85
		2018	17098716.137	12725090.370	4373625.77
		2019	17599868.850	12938403.040	4661465.81
		2020	18081346.241	13137525.736	4943820.50
		2021	18537594.460	13316055.987	5221538.47
		2022	18985300.234	13482943.523	5502356.71
		2023	19423958.747	13638593.768	5785364.98
		2024	19853347.772	13782899.480	6070448.29
		2025	20252822.245	13914271.216	6338551.03
		2026	20619307.063	14027046.881	6592260.18
		2027	20976063.406	14130657.442	6845405.96
		2028	21323641.947	14226117.505	7097524.44
		2029	21662117.106	14313345.720	7348771.39
		2030	21960971.694	14389679.726	7571291.97
		2031	22224951.983	14450863.216	7774088.77
		2032	22480397.853	14506080.209	7974317.64
		2033	22728639.455	14556306.028	8172333.43
		2034	22970448.888	14601608.451	8368840.44
		2035	23164154.188	14638168.562	8525985.63
		2036	23334538.616	14666611.133	8667927.48
		2037	23499760.723	14692212.990	8807547.73
		2038	23660308.401	14715383.670	8944924.73
		2039	23817891.273	14736425.514	9081465.76
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747593.502	2441.390
		1993	2319752.308	2313815.796	5936.511
		1994	2872597.339	2861106.522	11490.817
		1995	3411494.825	3391970.062	19524.763
		1996	3945569.726	3914742.091	30827.635
		1997	4463316.362	4417942.869	45373.493
		1998	4975301.180	4911449.790	63851.390
		1999	5473691.125	5387201.990	86489.135
		2000	5977500.570	5862723.112	114777.458
		2001	6474795.516	6326125.732	148669.784
		2002	6968769.705	6779902.223	188867.482
		2003	7460282.140	7224082.856	236199.284
		2004	7947048.275	7656556.037	290492.238
		2005	8430571.669	8078281.275	352290.394
		2006	8903945.390	8482524.672	421420.718
		2007	9364177.982	8867027.296	497150.686
		2008	9822525.458	9240369.596	582155.862
		2009	10275228.886	9599627.638	675601.248
		2010	10720275.500	9943482.058	776793.443
		2011	11155356.373	10270010.161	885346.212
		2012	11582611.617	10579864.415	1002747.20
		2013	11998803.791	10871497.942	1127305.85
		2014	12402087.090	11144272.318	1257814.77
		2015	12793451.706	11400009.468	1393442.24
		2016	13160101.653	11629959.871	1530141.78
		2017	13503583.414	11836573.072	1667010.34
		2018	13859755.737	12039651.266	1820104.47
		2019	14211625.176	12230833.805	1980791.37
		2020	14553935.288	12408973.706	2144961.58
		2021	14851747.495	12555755.718	2295991.78
		2022	15144531.004	12692282.957	2452248.05
		2023	15431932.496	12818657.319	2613275.18
		2024	15713920.740	12935526.563	2778394.18
		2025	15979112.816	13041007.661	2938105.16
		2026	16206550.153	13124474.320	3082075.83
		2027	16428826.050	13200829.537	3227996.51
		2028	16645902.186	13270331.945	3375570.24
		2029	16858126.517	13333742.241	3524384.28
		2030	17045220.687	13388204.810	3657015.88
		2031	17208482.610	13430564.159	3777918.45
		2032	17367586.074	13468974.506	3898611.57
		2033	17522716.280	13503495.886	4019220.39
		2034	17674226.555	13534694.325	4139532.23
		2035	17792201.734	13558830.743	4233370.99
		2036	17903508.236	13578937.579	4324570.66
		2037	18012162.345	13597253.638	4414908.71
		2038	18118464.470	13613749.253	4504715.22

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

	Female	2039	18222549.860	13628643.625	4593906.23
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.924	416.494
		1992	931086.773	929437.906	1648.867
		1993	1246155.671	1242097.598	4058.073
		1994	1561212.934	1553224.894	7988.041
		1995	1879967.742	1866057.162	13910.580
		1996	2197488.109	2175378.616	22109.494
		1997	2515698.453	2482688.145	33010.308
		1998	2836249.556	2789289.325	46960.231
		1999	3150201.390	3086249.026	63952.364
		2000	3472722.342	3387687.881	85034.461
		2001	3796994.889	3686448.299	110546.590
		2002	4126619.935	3985375.197	141244.738
		2003	4454982.533	4278251.522	176731.012
		2004	4784343.030	4566500.614	217842.416
		2005	5113443.121	4848765.996	264677.125
		2006	5442543.963	5124431.293	318112.669
		2007	5772441.497	5394190.497	378251.000
		2008	6091911.943	5648729.064	443182.878
		2009	6413671.330	5897626.531	516044.799
		2010	6730763.530	6136150.548	594612.982
		2011	7043614.101	6364034.836	679579.265
		2012	7356270.780	6584186.434	772084.346
		2013	7662551.964	6792392.463	870159.500
		2014	7964551.465	6990223.246	974328.218
		2015	8254895.403	7174179.521	1080715.88
		2016	8530661.848	7341646.507	1189015.34
		2017	8795826.122	7496205.265	1299620.86
		2018	9067233.707	7646403.617	1420830.09
		2019	9335343.270	7787556.325	1547786.95
		2020	9596110.883	7919144.524	1676966.36
		2021	9833186.859	8033734.609	1799452.25
		2022	10066452.037	8140406.155	1926045.88
		2023	10295503.609	8239442.861	2056060.75
		2024	10520125.318	8330786.827	2189338.49
		2025	10731915.863	8413466.600	2318449.26
		2026	10917495.549	8481988.219	2435507.33
		2027	11098620.885	8544554.074	2554066.81
		2028	11275441.234	8601850.964	2673590.27
		2029	11447962.710	8653865.978	2794096.73
		2030	11601867.623	8698896.691	2902970.93
		2031	11731666.516	8733724.724	2997941.79
		2032	11857585.969	8765009.935	3092576.03
		2033	11980128.625	8793327.547	3186801.08
		2034	12099562.464	8818768.365	3280794.10
		2035	12195919.946	8838895.176	3357024.77
		2036	12278201.969	8854204.143	3423997.83
		2037	12358146.336	8867994.234	3490152.10
		2038	12435978.633	8880479.744	3555498.89
		2039	12512468.845	8891834.834	3620634.01
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483221.656	26376.958
		1993	1992735.299	1931280.215	61455.084
		1994	2462877.575	2348194.587	114682.988
		1995	2928249.390	2739488.902	188760.488
		1996	3377377.730	3093568.100	283809.629
		1997	3809062.472	3410619.055	398443.417
		1998	4222213.867	3691389.368	530824.499
		1999	4708317.743	3994811.682	713506.061
		2000	5182084.396	4266034.531	916049.865
		2001	5644097.705	4505374.611	1138723.09
		2002	6107232.129	4721989.313	1385242.82
		2003	6561785.704	4913078.203	1648707.50
		2004	6996156.348	5077456.873	1918699.48
		2005	7426261.361	5224171.212	2202090.15
		2006	7849012.694	5352350.254	2496662.44
		2007	8255300.530	5462697.752	2792602.78
		2008	8650662.040	5559196.192	3091465.85
		2009	9030818.513	5642867.033	3387951.48
		2010	9403026.327	5716721.762	3686304.56
		2011	9767535.506	5781797.862	3985737.64
		2012	10123044.281	5839393.208	4283651.07
		2013	10470104.786	5890246.919	4579857.87
		2014	10807756.112	5935365.183	4872390.93
		2015	11130681.425	5975022.220	5155659.21
		2016	11448966.506	6010690.607	5438275.90

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

		2017	11758164.882	6042680.165	5715484.72
		2018	12054448.241	6070282.183	5984166.06
		2019	12341606.261	6095099.148	6246507.11
		2020	12600728.939	6116209.040	6484519.90
		2021	12861767.105	6135806.886	6725960.22
		2022	13114168.616	6153593.466	6960575.15
		2023	13357894.797	6169623.707	7188271.09
		2024	13593848.521	6184236.067	7409612.45
		2025	13789177.359	6196048.152	7593129.21
		2026	13993401.656	6207588.797	7785812.86
		2027	14190519.224	6218308.633	7972210.59
		2028	14381193.356	6228080.210	8153113.15
		2029	14565171.927	6236957.331	8328214.60
		2030	14697381.605	6243428.302	8453953.30
		2031	14842203.512	6250242.838	8591960.67
		2032	14982485.826	6256683.003	8725802.82
		2033	15118410.647	6262564.023	8855846.62
		2034	15250284.398	6267862.412	8982421.99
		2035	15322911.166	6270835.975	9052075.19
		2036	15405115.031	6274053.738	9131061.29
		2037	15484709.137	6277115.852	9207593.28
		2038	15561812.193	6279967.064	9281845.13
		2039	15635992.616	6282478.278	9353514.34
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.343	1865.120
		1992	439962.920	432979.594	6983.326
		1993	584735.615	568172.035	16563.580
		1994	727640.783	696311.626	31329.156
		1995	868486.937	816693.270	51793.667
		1996	1010321.847	930813.150	79508.697
		1997	1144230.930	1032317.139	111913.791
		1998	1274513.622	1124471.054	150042.568
		1999	1426725.938	1224502.020	202223.918
		2000	1573462.680	1313885.150	259577.530
		2001	1719132.015	1394443.150	324688.865
		2002	1863006.732	1466591.698	396415.034
		2003	2002943.227	1530114.603	472828.625
		2004	2137798.705	1585388.041	552410.664
		2005	2271071.245	1634948.828	636122.417
		2006	2400707.731	1677969.263	722738.468
		2007	2523634.512	1714732.960	808901.552
		2008	2648752.232	1748270.279	900481.954
		2009	2765973.961	1776776.640	989197.321
		2010	2881329.235	1802159.224	1079170.01
		2011	2994972.694	1824659.301	1170313.39
		2012	3108958.829	1844949.769	1264009.06
		2013	3218140.416	1862808.988	1355331.43
		2014	3328387.914	1879152.742	1449235.17
		2015	3435342.796	1893884.463	1541458.33
		2016	3539189.408	1907017.399	1632172.01
		2017	3640041.363	1918723.580	1721317.78
		2018	3732645.362	1928575.005	1804070.36
		2019	3821421.978	1937291.158	1884130.82
		2020	3902115.950	1944732.051	1957383.90
		2021	3984301.053	1951749.170	2032551.88
		2022	4062629.299	1957947.698	2104681.60
		2023	4137348.729	1963481.789	2173866.94
		2024	4208611.493	1968409.642	2240201.85
		2025	4269419.492	1972475.688	2296943.80
		2026	4330969.998	1976322.428	2354647.57
		2027	4389134.306	1979738.814	2409395.49
		2028	4444222.970	1982820.355	2461402.62
		2029	4496447.877	1985620.265	2510827.61
		2030	4536975.698	1987735.957	2549239.74
		2031	4578338.586	1989789.403	2588549.18
		2032	4617397.784	1991645.178	2625752.61
		2033	4654407.697	1993362.504	2661045.19
		2034	4689913.454	1994962.662	2694950.79
		2035	4712518.190	1995929.207	2716588.98
		2036	4735845.827	1996875.187	2738970.64
		2037	4757958.806	1997738.866	2760219.94
		2038	4778813.806	1998544.418	2780269.39
		2039	4798769.065	1999300.144	2799468.92
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220289.358	2676.920
		1993	296801.879	290424.610	6377.269
		1994	372453.706	360100.927	12352.779

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

	1995	448401.338	427512.314	20889.024
	1996	523536.301	491387.578	32148.723
	1997	596763.211	550641.365	46121.846
	1998	667546.681	604909.288	62637.393
	1999	734925.407	653647.061	81278.346
	2000	803749.361	700455.039	103294.321
	2001	870081.588	742521.935	127559.653
	2002	935347.140	781065.579	154281.561
	2003	1001627.349	817175.574	184451.776
	2004	1066587.976	849920.720	216667.256
	2005	1130548.052	879558.290	250989.762
	2006	1195132.454	906940.434	288192.020
	2007	1258974.043	931697.937	327276.106
	2008	1320124.867	953261.227	366863.640
	2009	1380776.123	972783.158	407992.966
	2010	1440048.533	990224.180	449824.353
	2011	1497484.847	1005664.846	491820.001
	2012	1554496.526	1019524.355	534972.171
	2013	1610819.598	1031989.748	578829.850
	2014	1667484.890	1043332.909	624151.981
	2015	1720948.287	1053213.872	667734.415
	2016	1775699.228	1062387.154	713312.074
	2017	1830250.175	1070732.386	759517.788
	2018	1875958.950	1077155.676	798803.273
	2019	1920359.232	1082876.440	837482.792
	2020	1960605.297	1087707.082	872898.216
	2021	1998912.887	1091925.712	906987.176
	2022	2036003.696	1095677.529	940326.167
	2023	2071857.536	1099011.386	972846.150
	2024	2106636.468	1102012.388	1004624.08
	2025	2136450.873	1104444.036	1032006.84
	2026	2164796.470	1106584.770	1058211.70
	2027	2192079.608	1108519.121	1083560.49
	2028	2218404.367	1110250.073	1108154.29
	2029	2243769.140	1111807.560	1131961.58
	2030	2263570.213	1112977.067	1150593.15
	2031	2282521.590	1114037.656	1168483.93
	2032	2300804.945	1115008.153	1185796.79
	2033	2318464.018	1115887.597	1202576.42
	2034	2335611.973	1116688.783	1218923.19
	2035	2347097.290	1117214.359	1229882.93
	2036	2358248.747	1117700.020	1240548.73
	2037	2369033.655	1118155.282	1250878.37
	2038	2379490.114	1118576.924	1260913.19
	2039	2389546.238	1118952.354	1270593.88
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.693	515.169
	1992	165654.454	163676.342	1978.112
	1993	220008.519	215282.677	4725.842
	1994	275706.807	266520.962	9185.844
	1995	331417.547	315911.254	15506.293
	1996	387580.161	363565.832	24014.329
	1997	442778.242	408197.465	34580.777
	1998	496117.305	449134.176	46983.129
	1999	548268.214	486950.892	61317.322
	2000	601693.202	523464.532	78228.669
	2001	652221.103	555802.063	96419.040
	2002	703022.600	586064.620	116957.980
	2003	752023.351	613160.211	138863.140
	2004	799826.733	637577.373	162249.360
	2005	847563.928	660101.900	187462.028
	2006	894205.027	680336.541	213868.485
	2007	939571.282	698370.497	241200.785
	2008	983437.578	714369.963	269067.615
	2009	1025803.786	728528.699	297275.087
	2010	1066964.934	741072.999	325891.935
	2011	1106954.044	752182.169	354771.875
	2012	1146108.461	762130.716	383977.744
	2013	1183544.689	770844.817	412699.872
	2014	1221220.945	778834.832	442386.113
	2015	1258289.311	786114.883	472174.428
	2016	1294830.207	792675.885	502154.323
	2017	1330332.626	798516.839	531815.787
	2018	1360571.987	803100.202	557471.785
	2019	1389848.723	807152.065	582696.658
	2020	1416046.192	810542.162	605504.031
	2021	1440588.850	813459.667	627129.183
	2022	1464157.934	816032.261	648125.673

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

		2023	1486810.237	818323.354	668486.883
		2024	1508591.729	820355.373	688236.356
		2025	1526875.621	821975.149	704900.472
		2026	1543659.810	823350.514	720309.296
		2027	1559623.774	824566.802	735056.972
		2028	1574852.850	825656.377	749196.473
		2029	1589437.452	826636.380	762801.072
		2030	1600568.199	827348.151	773220.048
		2031	1610776.297	827962.501	782813.795
		2032	1620483.563	828515.212	791968.351
		2033	1629745.442	829018.837	800726.605
		2034	1638721.425	829482.146	809239.279
		2035	1644649.404	829768.565	814880.840
		2036	1650181.590	830020.098	820161.492
		2037	1655476.066	830250.435	825225.631
		2038	1660507.914	830465.522	830042.391
		2039	1665361.569	830666.633	834694.936
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347333.377	750.670
		1993	467278.318	465436.863	1841.455
		1994	584216.907	580598.529	3618.378
		1995	697391.457	691227.146	6164.311
		1996	809471.271	799834.201	9637.070
		1997	922587.668	908312.759	14274.909
		1998	1034072.457	1014061.999	20010.457
		1999	1153475.399	1125905.817	27569.582
		2000	1268050.268	1231542.792	36507.476
		2001	1382786.209	1335542.278	47243.932
		2002	1497557.412	1437581.241	59976.170
		2003	1614405.229	1539643.238	74761.991
		2004	1726672.489	1635613.359	91059.130
		2005	1847277.524	1736645.463	110632.061
		2006	1961009.963	1829528.407	131481.556
		2007	2079868.908	1924026.974	155841.934
		2008	2206755.783	2022403.784	184351.999
		2009	2331993.380	2116763.033	215230.348
	2010	2455130.176	2206911.097	248219.079	
	2011	2582657.849	2297366.659	285291.190	
	2012	2709719.005	2384468.230	325250.774	
	2013	2840547.005	2470960.585	369586.420	
	2014	2971677.135	2554514.059	417163.076	
	2015	3104538.983	2637168.616	467370.367	
	2016	3237650.175	2716568.528	521081.648	
	2017	3370561.253	2792891.487	577669.766	
	2018	3503136.371	2865384.491	637751.880	
	2019	3636402.758	2935091.239	701311.519	
	2020	3768054.453	3001550.432	766504.021	
	2021	3897675.067	3063854.934	833820.133	
	2022	4027307.132	3123051.810	904255.322	
	2023	4156698.720	3179039.358	977659.363	
	2024	4285772.226	3231879.407	1053892.82	
	2025	4410759.298	3281071.165	1129688.13	
	2026	4531411.064	3325511.889	1205899.18	
	2027	4651145.233	3366902.173	1284243.06	
	2028	4769837.872	3405301.708	1364536.16	
	2029	4887747.179	3440935.208	1446811.97	
2030	4997632.895	3472923.360	1524709.54		
2031	5103301.991	3500905.249	1602396.74		
2032	5207593.613	3526465.393	1681128.22		
2033	5310556.138	3549671.699	1760884.44		
2034	5412542.816	3570812.518	1841730.30		
2035	5500522.473	3588494.051	1912028.42		
2036	5588149.640	3604344.368	1983805.27		
2037	5674667.886	3618703.728	2055964.16		
2038	5760391.289	3631656.977	2128734.31		
2039	5845459.234	3643410.203	2202049.03		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.321	168.190
		1992	240642.531	240002.427	640.104
		1993	329362.093	327710.489	1651.604
		1994	418569.515	415259.867	3309.648
		1995	509110.357	503285.768	5824.589
		1996	600040.117	590785.589	9254.528
		1997	691159.071	677429.759	13729.311
		1998	782866.899	763546.455	19320.444
		1999	881526.925	854826.065	26700.860
		2000	977880.647	942644.825	35235.822

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

2001	1076787.404	1031236.538	45550.866
2002	1174842.754	1117375.987	57466.767
2003	1275102.681	1203807.679	71295.002
2004	1371026.306	1284821.269	86205.037
2005	1473954.509	1369686.548	104267.961
2006	1574450.828	1450563.048	123887.780
2007	1673790.211	1528475.496	145314.715
2008	1782360.738	1611362.701	170998.037
2009	1892944.209	1693112.354	199831.856
2010	2002131.282	1771579.543	230551.739
2011	2114522.152	1849594.058	264928.094
2012	2228079.372	1925892.047	302187.325
2013	2345377.689	2001833.233	343544.456
2014	2462498.422	2074784.413	387714.009
2015	2581450.312	2146949.590	434500.722
2016	2701959.301	2217134.041	484825.260
2017	2823834.967	2285196.541	538638.426
2018	2938265.081	2347011.547	591253.534
2019	3053254.880	2406403.492	646851.388
2020	3167073.216	2463107.000	703966.216
2021	3279517.699	2517112.541	762405.158
2022	3392060.964	2568557.409	823503.555
2023	3504296.171	2617345.765	886950.407
2024	3616019.231	2663347.637	952671.594
2025	3724611.269	2706353.779	1018257.49
2026	3827181.707	2745385.719	1081795.99
2027	3928684.441	2781797.752	1146886.69
2028	4029124.892	2815789.810	1213335.08
2029	4128269.068	2847223.096	1281045.97
2030	4221560.174	2875698.927	1345861.25
2031	4304170.584	2899386.588	1404784.00
2032	4384930.537	2920909.885	1464020.65
2033	4464357.691	2940597.140	1523760.55
2034	4542251.545	2958395.278	1583856.27
2035	4611066.648	2973575.614	1637491.03
2036	4670309.230	2985511.706	1684797.52
2037	4728179.514	2996229.455	1731950.06
2038	4785008.048	3005893.985	1779114.06
2039	4841291.793	3014623.903	1826667.89

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	236715.404	207195.630
		35-39	1146798.555	604413.052	542385.503
		40-44	2609591.408	1333607.509	1275983.90
		45-49	4775841.753	2395682.985	2380158.77
		50-54	7446969.205	3872776.155	3574193.05
		55-59	8240205.925	4714849.687	3525356.24
		60-64	8772829.118	5445528.091	3327301.03
		65-69	6161494.678	4208681.846	1952812.83
		70-74	2495906.274	1764763.059	731143.215
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	141379.974	87760.587
		35-39	570217.942	344980.188	225237.754
		40-44	1267538.938	742764.436	524774.501
		45-49	2340070.698	1346122.146	993948.552
		50-54	3743803.613	2166489.118	1577314.50
		55-59	4591478.168	2777581.021	1813897.15
		60-64	5207367.788	3273495.959	1933871.83
65-69		4092181.394	2712607.368	1379574.03	
Lung cancer	Males	70-74	1776092.171	1194660.627	581431.544
		75-79	0.000	0.000	0.000
		30-34	66065.017	51504.913	14560.104
		35-39	232509.414	182629.696	49879.718
		40-44	688628.041	528339.251	160288.791
		45-49	1528300.367	1133989.336	394311.031
		50-54	2730187.229	1991259.925	738927.304
		55-59	3909101.673	2830678.360	1078423.31
		60-64	4287716.660	3199043.581	1088673.08
	65-69	3467897.115	2637279.046	830618.069	
	70-74	1312144.343	1014116.974	298027.370	
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40499.187	11413.926
		35-39	189792.904	148267.300	41525.604
		40-44	527596.573	394444.433	133152.140
		45-49	1122524.269	806600.752	315923.516
		50-54	1882214.322	1320853.665	561360.657
55-59		2595581.943	1794913.952	800667.991	
60-64		2846273.090	2006719.870	839553.219	
65-69		2358758.394	1680876.051	677882.342	
IHD	Males	70-74	937814.238	675976.293	261837.944
		75-79	0.000	0.000	0.000
		30-34	263834.566	116571.899	147262.666
		35-39	692140.150	290969.821	401170.330
		40-44	1519708.432	578091.784	941616.648
		45-49	2568546.697	890248.427	1678298.27
		50-54	3632929.903	1310356.364	2322573.54
		55-59	2807892.356	1076831.403	1731060.95
		60-64	2599825.934	1173402.312	1426423.62
	65-69	1113578.307	576682.368	536895.939	
	70-74	437536.271	258996.440	178539.831	
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	37495.058	42154.039
		35-39	193965.908	80396.037	113569.871
		40-44	403380.974	148527.194	254853.780
		45-49	671385.408	227685.749	443699.659
		50-54	1011875.989	367920.799	643955.190
55-59		849875.715	337778.971	512096.744	
60-64		925490.876	429996.753	495494.124	
65-69		455463.881	243363.340	212100.541	
Stroke	Males	70-74	207681.216	124413.732	83267.484
		75-79	0.000	0.000	0.000
		30-34	73463.650	42846.146	30617.503
		35-39	151934.057	85846.909	66087.148
		40-44	262845.974	140365.277	122480.698
		45-49	383421.246	190781.517	192639.729
		50-54	479872.634	216010.361	263862.273
		55-59	437124.903	181475.844	255649.059
		60-64	419457.235	177200.654	242256.581
	65-69	128180.574	56717.981	71462.593	
	70-74	53245.965	25660.893	27585.072	
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	39915.930	23003.160

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

		35-39	120806.205	72352.305	48453.900
		40-44	203391.885	112830.176	90561.709
		45-49	278172.097	142829.955	135342.142
		50-54	325979.181	155560.669	170418.512
		55-59	275161.340	123000.485	152160.855
		60-64	268920.493	121625.446	147295.047
		65-69	87956.054	41353.449	46602.605
		70-74	42055.224	20564.569	21490.655
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	25792.445	14755.356
		35-39	70214.933	44966.626	25248.307
		40-44	138408.960	86811.198	51597.762
		45-49	295573.443	180663.705	114909.738
		50-54	603979.438	355149.506	248829.932
		55-59	1086086.992	625864.080	460222.912
		60-64	1465829.290	895881.544	569947.746
		65-69	1451838.682	938002.450	513836.232
		70-74	692979.695	465988.752	226990.943
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	23469.800	11189.461
		35-39	65652.924	43964.545	21688.379
		40-44	133169.505	86962.632	46206.873
		45-49	267988.924	169005.689	98983.235
		50-54	523734.121	322153.985	201580.136
		55-59	870859.170	521887.612	348971.557
		60-64	1166683.329	715153.890	451529.439
		65-69	1190003.066	747014.528	442988.538
		70-74	588541.493	373706.032	214835.461
		75-79	0.000	0.000	0.000

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	236730.193	207180.841
		35-39	1146798.555	604524.385	542274.170
		40-44	2609591.408	1334328.937	1275262.47
		45-49	4775841.753	2398913.371	2376928.38
		50-54	7446969.205	3882650.261	3564318.94
		55-59	8240205.925	4731139.501	3509066.42
		60-64	8772829.118	5473669.920	3299159.20
		65-69	6161494.678	4233220.007	1928274.67
		70-74	2495906.274	1778307.885	717598.389
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	141383.818	87756.743
		35-39	570217.942	345008.854	225209.088
		40-44	1267538.938	742948.553	524590.385
		45-49	2340070.698	1346942.765	993127.933
		50-54	3743803.613	2169091.045	1574712.57
		55-59	4591478.168	2782642.648	1808835.52
		60-64	5207367.788	3283378.554	1923989.23
		65-69	4092181.394	2723390.029	1368791.37
70-74		1776092.171	1201639.248	574452.923	
Lung cancer	Males	30-34	66065.017	51508.481	14556.536
		35-39	232509.414	182668.553	49840.861
		40-44	688628.041	528675.387	159952.655
		45-49	1528300.367	1135776.614	392523.753
		50-54	2730187.229	1997064.110	733123.119
		55-59	3909101.673	2841329.337	1067772.34
		60-64	4287716.660	3216833.678	1070882.98
		65-69	3467897.115	2652797.744	815099.370
		70-74	1312144.343	1021989.721	290154.622
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40500.458	11412.655
		35-39	189792.904	148280.921	41511.984
		40-44	527596.573	394553.033	133043.541
		45-49	1122524.269	807132.622	315391.646
		50-54	1882214.322	1322559.002	559655.320
		55-59	2595581.943	1798335.246	797246.697
		60-64	2846273.090	2013054.776	833218.314
		65-69	2358758.394	1687514.034	671244.360
70-74		937814.238	679904.743	257909.495	
IHD	Males	30-34	263834.566	116578.727	147255.839
		35-39	692140.150	291015.821	401124.329
		40-44	1519708.432	578337.113	941371.319
		45-49	2568546.697	891097.405	1677449.29
		50-54	3632929.903	1312552.661	2320377.24
		55-59	2807892.356	1078817.178	1729075.18
		60-64	2599825.934	1176367.454	1423458.48
		65-69	1113578.307	577997.838	535580.469
		70-74	437536.271	259714.079	177822.191
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	37495.998	42153.099
		35-39	193965.908	80401.701	113564.207
		40-44	403380.974	148554.453	254826.521
		45-49	671385.408	227776.477	443608.931
		50-54	1011875.989	368176.731	643699.258
		55-59	849875.715	338057.979	511817.736
		60-64	925490.876	430527.391	494963.486
		65-69	455463.881	243674.363	211789.518
70-74		207681.216	124635.051	83046.165	
Stroke	Males	30-34	73463.650	42848.528	30615.122
		35-39	151934.057	85861.760	66072.297
		40-44	262845.974	140435.290	122410.685
		45-49	383421.246	191008.399	192412.847
		50-54	479872.634	216471.077	263401.557
		55-59	437124.903	181924.757	255200.147
		60-64	419457.235	177789.823	241667.412
		65-69	128180.574	56875.090	71305.484
		70-74	53245.965	25737.632	27508.333
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	39916.817	23002.273

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_3.RTF)

		35-39	120806.205	72357.171	48449.035	
		40-44	203391.885	112851.626	90540.260	
		45-49	278172.097	142893.006	135279.091	
		50-54	325979.181	155685.865	170293.316	
		55-59	275161.340	123128.678	152032.662	
		60-64	268920.493	121812.987	147107.506	
		65-69	87956.054	41416.159	46539.895	
		70-74	42055.224	20604.325	21450.899	
		75-79	0.000	0.000	0.000	
COPD	Males	30-34	40547.801	25794.457	14753.344	
		35-39	70214.933	44978.251	25236.682	
		40-44	138408.960	86881.148	51527.812	
		45-49	295573.443	181030.953	114542.490	
		50-54	603979.438	356562.412	247417.026	
		55-59	1086086.992	629068.229	457018.763	
		60-64	1465829.290	902678.965	563150.325	
		65-69	1451838.682	945549.335	506289.347	
		70-74	692979.695	470866.453	222113.242	
			75-79	0.000	0.000	0.000
		Female	30-34	34659.261	23470.544	11188.717
			35-39	65652.924	43969.062	21683.862
			40-44	133169.505	86989.442	46180.063
			45-49	267988.924	169140.659	98848.265
			50-54	523734.121	322669.448	201064.673
			55-59	870859.170	523120.744	347738.425
			60-64	1166683.329	717983.400	448699.929
			65-69	1190003.066	750785.474	439217.592
			70-74	588541.493	376495.129	212046.364
			75-79	0.000	0.000	0.000

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

System Date and Time: 20210220T110853
User: JohnS
SAS Version: 9.4
Project: Population Health Impact Model 7.3

The System is running in Test Mode

Maximum Upper Age for P Component = 79
Upper Age for ELL Calculations = 75
Report in E-component: Social Classes A and B combined
Description: Sensitivity Analysis 4 for VeneBio, Change Ecig Initialisation rate
Assumption Files:
Options Control File: C:\VeneBio\OG_Test\US_Control_V_S4.CSV
TTP Test File: C:\VeneBio\OG_Test\TTP_Test_MAS4.csv
TTP Reference File: C:\VeneBio\OG_Test\TTP_Reference_V.csv
TTP Factor Test File: C:\VeneBio\OG_Test\TTP_FACTOR_Test.csv
TTP Factor Reference File: C:\VeneBio\OG_Test\TTP_FACTOR_Test.csv
TP Socioeconomic Groups: Not Used
Output Choices:C:\VeneBio\OG_Test\OUTC_PA.csv

Main Results will be sent to the folder C:\VeneBio\Main_Results\
Plots will be sent to the folder C:\VeneBio\Plot_Results\Plots_20210220T110853
Saved P, E and/or A Component results will be sent to the folder C:\VeneBio\SAVED\Saved_20210220T110853\

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Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

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Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Control File Details for Run: 1

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S4A
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_4
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 1, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	S4A
Note:	Period is in Months

Age	Period	Initiation		Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.000961	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.001180	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000094	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000047	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000023	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.001472	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.002097	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000206	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000289	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000109	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.001725	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.002132	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.000982	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000336	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000166	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.001647	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.002221	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000030	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.000676	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000331	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.001099	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.001894	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000152	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000119	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000059	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.000629	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.001418	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000215	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000107	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000053	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 1, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 1, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	39167	42.44					
5	All Ages	CC	11544	12.51	0	0.00			
5	All Ages	Ecig	14747	15.98					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26832	29.07			15.23	1664	6.20
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2730	77.03					
5	18-19	CC	337	9.51	0	0.00			
5	18-19	Ecig	387	10.92					
5	18-19	Dual	0	0.00					
5	18-19	Former	90	2.54			1.08	63	70.00
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	6178	68.34					
5	20-24	CC	964	10.66	0	0.00			
5	20-24	Ecig	1451	16.05					
5	20-24	Dual	0	0.00					
5	20-24	Former	447	4.94			2.92	122	27.29
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5535	56.39					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	1880	19.15					
5	25-29	Dual	0	0.00					
5	25-29	Former	1146	11.67			5.44	113	9.86
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

5	30-34	Never Any	5119	48.00					
5	30-34	CC	1481	13.89	0	0.00			
5	30-34	Ecig	2265	21.24					
5	30-34	Dual	0	0.00					
5	30-34	Former	1799	16.87			6.95	105	5.84
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4732	43.35					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2268	20.78					
5	35-39	Dual	0	0.00					
5	35-39	Former	2420	22.17			8.21	113	4.67
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1894	19.15					
5	40-44	Dual	0	0.00					
5	40-44	Former	2774	28.05			12.06	130	4.69
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1562	18.05					
5	45-49	Dual	0	0.00					
5	45-49	Former	2945	34.03			14.20	148	5.03
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	1015	15.58					
5	50-54	Dual	0	0.00					
5	50-54	Former	2641	40.54			15.98	175	6.63
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	762	13.91					
5	55-59	Dual	0	0.00					
5	55-59	Former	2364	43.16			17.21	122	5.16
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	572	11.48					
5	60-64	Dual	0	0.00					
5	60-64	Former	2477	49.71			17.27	143	5.77
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	360	7.34					
5	65-69	Dual	0	0.00					
5	65-69	Former	2899	59.10			20.44	196	6.76
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	196	4.47					
5	70-74	Dual	0	0.00					
5	70-74	Former	2730	62.23			22.00	137	5.02
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	135	3.86					
5	75-79	Dual	0	0.00					
5	75-79	Former	2100	60.02			23.02	97	4.62
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	40978	43.55					
10	All Ages	CC	4905	5.21	0	0.00			
10	All Ages	Ecig	19217	20.42					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	28992	30.81			17.01	1625	5.60
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5978	67.59					
10	20-24	CC	507	5.73	0	0.00			
10	20-24	Ecig	1689	19.10					
10	20-24	Dual	0	0.00					
10	20-24	Former	671	7.59			3.45	191	28.46
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5871	64.94					
10	25-29	CC	420	4.65	0	0.00			
10	25-29	Ecig	1911	21.14					
10	25-29	Dual	0	0.00					
10	25-29	Former	838	9.27			5.08	168	20.05
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5416	55.18					
10	30-34	CC	482	4.91	0	0.00			
10	30-34	Ecig	2476	25.22					
10	30-34	Dual	0	0.00					
10	30-34	Former	1442	14.69			8.70	115	7.98
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5069	47.53					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	2914	27.33					
10	35-39	Dual	0	0.00					
10	35-39	Former	2072	19.43			10.63	107	5.16
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4732	43.35					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	2851	26.12					
10	40-44	Dual	0	0.00					
10	40-44	Former	2766	25.34			11.82	124	4.48
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2312	23.38					
10	45-49	Dual	0	0.00					
10	45-49	Former	3152	31.87			15.25	163	5.17
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	1859	21.48					
10	50-54	Dual	0	0.00					
10	50-54	Former	3411	39.41			16.85	186	5.45
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1194	18.33					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		3039	46.65			18.50	146	4.80
10	60-64	Never Any		1611	29.41					
10	60-64	CC		306	5.59	0	0.00			
10	60-64	Ecig		852	15.56					
10	60-64	Dual		0	0.00					
10	60-64	Former		2708	49.44			19.63	144	5.32
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		244	4.90	0	0.00			
10	65-69	Ecig		603	12.10					
10	65-69	Dual		0	0.00					
10	65-69	Former		2799	56.17			19.95	120	4.29
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		236	4.81	0	0.00			
10	70-74	Ecig		327	6.67					
10	70-74	Dual		0	0.00					
10	70-74	Former		3173	64.69			23.44	94	2.96
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		214	4.88	0	0.00			
10	75-79	Ecig		229	5.22					
10	75-79	Dual		0	0.00					
10	75-79	Former		2921	66.58			25.38	67	2.29
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		39512	44.05					
15	All Ages	CC		1938	2.16	0	0.00			
15	All Ages	Ecig		18501	20.62					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		29754	33.17			18.71	1484	4.99
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		5780	65.35					
15	25-29	CC		197	2.23	0	0.00			
15	25-29	Ecig		1868	21.12					
15	25-29	Dual		0	0.00					
15	25-29	Former		1000	11.31			6.40	121	12.10
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5690	62.94					
15	30-34	CC		162	1.79	0	0.00			
15	30-34	Ecig		1999	22.11					
15	30-34	Dual		0	0.00					
15	30-34	Former		1189	13.15			7.64	143	12.03
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5352	54.52					
15	35-39	CC		188	1.92	0	0.00			

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15	35-39	Ecig	2491	25.38					
15	35-39	Dual	0	0.00					
15	35-39	Former	1785	18.18			11.44	141	7.90
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5069	47.53					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	2886	27.06					
15	40-44	Dual	0	0.00					
15	40-44	Former	2478	23.24			13.36	197	7.95
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4732	43.35					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	2789	25.55					
15	45-49	Dual	0	0.00					
15	45-49	Former	3179	29.12			14.89	159	5.00
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	2180	22.04					
15	50-54	Dual	0	0.00					
15	50-54	Former	3555	35.95			18.19	154	4.33
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	1781	20.58					
15	55-59	Dual	0	0.00					
15	55-59	Former	3747	43.29			20.09	117	3.12
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	1100	16.88					
15	60-64	Dual	0	0.00					
15	60-64	Former	3353	51.47			21.47	156	4.65
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	705	12.87					
15	65-69	Dual	0	0.00					
15	65-69	Former	3037	55.45			22.19	118	3.89
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	441	8.85					
15	70-74	Dual	0	0.00					
15	70-74	Former	3076	61.73			22.89	112	3.64
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	261	5.32					
15	75-79	Dual	0	0.00					
15	75-79	Former	3355	68.40			27.01	66	1.97
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	38218	45.07					
20	All Ages	CC	749	0.88	0	0.00			
20	All Ages	Ecig	15794	18.63					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	30039	35.42			20.15	1412	4.70
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	5693	64.36					
20	30-34	CC	79	0.89	0	0.00			
20	30-34	Ecig	1697	19.19					
20	30-34	Dual	0	0.00					
20	30-34	Former	1376	15.56			8.80	170	12.35
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5652	62.52					
20	35-39	CC	62	0.69	0	0.00			
20	35-39	Ecig	1747	19.33					
20	35-39	Dual	0	0.00					
20	35-39	Former	1579	17.47			10.07	114	7.22
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5352	54.52					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2277	23.20					
20	40-44	Dual	0	0.00					
20	40-44	Former	2119	21.59			14.16	130	6.13
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5069	47.53					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	2566	24.06					
20	45-49	Dual	0	0.00					
20	45-49	Former	2940	27.57			15.81	165	5.61
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4732	43.35					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2486	22.77					
20	50-54	Dual	0	0.00					
20	50-54	Former	3611	33.08			17.75	174	4.82
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	1859	18.80					
20	55-59	Dual	0	0.00					
20	55-59	Former	4004	40.49			20.81	181	4.52
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1428	16.50					
20	60-64	Dual	0	0.00					
20	60-64	Former	4228	48.85			22.41	241	5.70
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	809	12.42					
20	65-69	Dual	0	0.00					
20	65-69	Former	3727	57.21			24.03	133	3.57
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	574	10.48					
20	70-74	Dual	0	0.00					
20	70-74	Former	3223	58.85			25.75	61	1.89
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	351	7.04					
20	75-79	Dual	0	0.00					
20	75-79	Former	3232	64.86			26.66	43	1.33
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	36870	46.19					
25	All Ages	CC	293	0.37	0	0.00			
25	All Ages	Ecig	12993	16.28					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	29661	37.16			22.23	1028	3.47
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	5682	64.24					
25	35-39	CC	32	0.36	0	0.00			
25	35-39	Ecig	1420	16.05					
25	35-39	Dual	0	0.00					
25	35-39	Former	1711	19.34			11.55	105	6.14
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5652	62.52					
25	40-44	CC	20	0.22	0	0.00			
25	40-44	Ecig	1536	16.99					
25	40-44	Dual	0	0.00					

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

25	40-44	Former	1832	20.27			13.27	94	5.13
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5352	54.52					
25	45-49	CC	29	0.30	0	0.00			
25	45-49	Ecig	2066	21.05					
25	45-49	Dual	0	0.00					
25	45-49	Former	2369	24.13			17.39	77	3.25
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5069	47.53					
25	50-54	CC	37	0.35	0	0.00			
25	50-54	Ecig	2336	21.91					
25	50-54	Dual	0	0.00					
25	50-54	Former	3222	30.21			19.15	129	4.00
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4732	43.35					
25	55-59	CC	33	0.30	0	0.00			
25	55-59	Ecig	2100	19.24					
25	55-59	Dual	0	0.00					
25	55-59	Former	4051	37.11			20.51	162	4.00
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	28	0.28	0	0.00			
25	60-64	Ecig	1443	14.59					
25	60-64	Dual	0	0.00					
25	60-64	Former	4477	45.27			23.28	205	4.58
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	43	0.50	0	0.00			
25	65-69	Ecig	1019	11.77					
25	65-69	Dual	0	0.00					
25	65-69	Former	4681	54.08			24.99	134	2.86
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	35	0.54	0	0.00			
25	70-74	Ecig	616	9.46					
25	70-74	Dual	0	0.00					
25	70-74	Former	3945	60.55			27.55	70	1.77
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	36	0.66	0	0.00			
25	75-79	Ecig	457	8.34					
25	75-79	Dual	0	0.00					
25	75-79	Former	3373	61.58			29.48	52	1.54
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	35259	47.43					
30	All Ages	CC	102	0.14	0	0.00			
30	All Ages	Ecig	10388	13.97					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	28591	38.46			24.35	855	2.99
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	5682	64.24					
30	40-44	CC	14	0.16	0	0.00			
30	40-44	Ecig	1259	14.23					
30	40-44	Dual	0	0.00					
30	40-44	Former	1890	21.37			15.18	63	3.33
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5652	62.52					
30	45-49	CC	5	0.06	0	0.00			
30	45-49	Ecig	1377	15.23					
30	45-49	Dual	0	0.00					
30	45-49	Former	2006	22.19			16.90	47	2.34
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5352	54.52					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	1897	19.33					
30	50-54	Dual	0	0.00					
30	50-54	Former	2558	26.06			20.85	96	3.75
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5069	47.53					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	1955	18.33					
30	55-59	Dual	0	0.00					
30	55-59	Former	3622	33.96			21.71	157	4.33
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4732	43.35					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	1612	14.77					
30	60-64	Dual	0	0.00					
30	60-64	Former	4562	41.79			22.88	203	4.45
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	1039	10.51					
30	65-69	Dual	0	0.00					
30	65-69	Former	4896	49.51			26.05	145	2.96
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	770	8.90					
30	70-74	Dual	0	0.00					
30	70-74	Former	4955	57.25			28.45	93	1.88
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	479	7.35					
30	75-79	Dual	0	0.00					
30	75-79	Former	4102	62.96			31.39	51	1.24
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	33340	49.16					
35	All Ages	CC	40	0.06	0	0.00			
35	All Ages	Ecig	8025	11.83					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	26420	38.95			26.26	739	2.80
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	5682	64.24					
35	45-49	CC	9	0.10	0	0.00			
35	45-49	Ecig	1121	12.67					
35	45-49	Dual	0	0.00					
35	45-49	Former	2033	22.98			18.93	44	2.16
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5652	62.52					
35	50-54	CC	3	0.03	0	0.00			
35	50-54	Ecig	1269	14.04					
35	50-54	Dual	0	0.00					
35	50-54	Former	2116	23.41			20.84	61	2.88
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5352	54.52					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1568	15.97					
35	55-59	Dual	0	0.00					
35	55-59	Former	2896	29.50			23.06	144	4.97
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5069	47.53					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	1496	14.03					
35	60-64	Dual	0	0.00					
35	60-64	Former	4090	38.35			23.88	181	4.43
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4732	43.35					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	1167	10.69					
35	65-69	Dual	0	0.00					
35	65-69	Former	5012	45.91			25.57	158	3.15
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	811	8.20					
35	70-74	Dual	0	0.00					
35	70-74	Former	5132	51.90			29.73	79	1.54
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	593	6.85					
35	75-79	Dual	0	0.00					
35	75-79	Former	5141	59.40			32.31	72	1.40
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30428	51.42					
40	All Ages	CC	16	0.03	0	0.00			
40	All Ages	Ecig	5814	9.83					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	22912	38.72			27.82	645	2.82
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	30-34	Never Any		0	.				0	.
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 55-59										
40	50-54	Never Any		5682	64.24					
40	50-54	CC		4	0.05	0	0.00			
40	50-54	Ecig		1010	11.42					
40	50-54	Dual		0	0.00					
40	50-54	Former		2149	24.30			22.72	66	3.07
Year of Follow-up: 2030, Age Group: 60-64										
40	55-59	Never Any		5652	62.52					
40	55-59	CC		2	0.02	0	0.00			
40	55-59	Ecig		1049	11.60					
40	55-59	Dual		0	0.00					
40	55-59	Former		2337	25.85			23.58	99	4.24
Year of Follow-up: 2030, Age Group: 65-69										
40	60-64	Never Any		5352	54.52					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		1164	11.86					
40	60-64	Dual		0	0.00					
40	60-64	Former		3300	33.62			24.87	169	5.12
Year of Follow-up: 2030, Age Group: 70-74										
40	65-69	Never Any		5069	47.53					
40	65-69	CC		4	0.04	0	0.00			
40	65-69	Ecig		1098	10.30					
40	65-69	Dual		0	0.00					
40	65-69	Former		4493	42.13			26.49	133	2.96
Year of Follow-up: 2030, Age Group: 75-79										
40	70-74	Never Any		4732	43.35					
40	70-74	CC		3	0.03	0	0.00			
40	70-74	Ecig		878	8.04					
40	70-74	Dual		0	0.00					
40	70-74	Former		5303	48.58			29.02	95	1.79
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		3941	39.85					
40	75-79	CC		3	0.03	0	0.00			

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

40	75-79	Ecig	615	6.22					
40	75-79	Dual	0	0.00					
40	75-79	Former	5330	53.90			33.51	83	1.56
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	26487	53.75					
45	All Ages	CC	6	0.01	0	0.00			
45	All Ages	Ecig	3993	8.10					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	18795	38.14			29.23	479	2.55
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

45	55-59	Never Any	5682	64.24					
45	55-59	CC	2	0.02	0	0.00			
45	55-59	Ecig	854	9.66					
45	55-59	Dual	0	0.00					
45	55-59	Former	2307	26.08			25.95	74	3.21
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5652	62.52					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	821	9.08					
45	60-64	Dual	0	0.00					
45	60-64	Former	2567	28.40			26.19	106	4.13
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5352	54.52					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	850	8.66					
45	65-69	Dual	0	0.00					
45	65-69	Former	3614	36.82			27.47	101	2.79
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5069	47.53					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	835	7.83					
45	70-74	Dual	0	0.00					
45	70-74	Former	4759	44.63			29.85	99	2.08
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4732	43.35					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	633	5.80					
45	75-79	Dual	0	0.00					
45	75-79	Former	5548	50.82			32.60	99	1.78
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	21755	56.71					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	2468	6.43					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	14141	36.86			30.87	342	2.42
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	5682	64.24					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	630	7.12					
50	60-64	Dual	0	0.00					
50	60-64	Former	2533	28.64			28.35	100	3.95
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5652	62.52					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	579	6.40					
50	65-69	Dual	0	0.00					
50	65-69	Former	2809	31.07			28.69	91	3.24
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5352	54.52					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	636	6.48					
50	70-74	Dual	0	0.00					
50	70-74	Former	3828	39.00			30.77	73	1.91
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5069	47.53					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	623	5.84					
50	75-79	Dual	0	0.00					
50	75-79	Former	4971	46.61			33.46	78	1.57

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13148871	4509390.583	2979576.335	1529814	11.635	33.925	3806.31	1305.37	862.523	442.848

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	0.000	
1991	313217	123999.442	123575.251	424.191	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308577	122014.015	120877.247	1136.768	0.368	0.932	4729.73	1870.18	1852.75	17.424
1993	311713	122810.618	120675.225	2135.392	0.685	1.739	4692.62	1848.83	1816.68	32.147
1994	305700	119925.592	116642.101	3283.491	1.074	2.738	4516.19	1771.69	1723.19	48.508
1995	303225	117896.496	113270.052	4626.444	1.526	3.924	4393.80	1708.35	1641.31	67.038
1996	299559	115698.645	109592.515	6106.130	2.038	5.278	4273.16	1650.42	1563.32	87.103
1997	294226	113359.847	105763.768	7596.079	2.582	6.701	4128.67	1590.70	1484.11	106.591
1998	289258	111444.212	102353.885	9090.327	3.143	8.157	3992.19	1538.10	1412.64	125.460
1999	311002	114877.722	102716.432	12161.29	3.910	10.586	4224.60	1560.48	1395.28	165.197
2000	303786	112379.704	98501.613	13878.09	4.568	12.349	4066.21	1504.22	1318.46	185.760
2001	296294	110024.943	94310.411	15714.53	5.304	14.283	3914.28	1453.52	1245.92	207.602
2002	291898	108289.173	90514.053	17775.12	6.089	16.414	3813.00	1414.56	1182.36	232.192
2003	285865	106539.023	86941.236	19597.79	6.856	18.395	3695.36	1377.22	1123.88	253.339
2004	274177	103037.251	82104.004	20933.25	7.635	20.316	3506.10	1317.61	1049.92	267.689
2005	272379	103044.562	80189.432	22855.13	8.391	22.180	3442.69	1302.41	1013.54	288.873
2006	264118	99672.555	75178.908	24493.65	9.274	24.574	3307.76	1248.28	941.525	306.753
2007	258419	97839.152	71967.940	25871.21	10.011	26.443	3203.20	1212.75	892.069	320.683
2008	259461	98075.852	70460.827	27615.02	10.643	28.157	3180.09	1202.07	863.606	338.465
2009	253907	95617.338	66785.288	28832.05	11.355	30.154	3075.31	1158.11	808.901	349.213
2010	251878	94607.988	64408.006	30199.98	11.990	31.921	3013.72	1131.98	770.642	361.343
2011	251779	93633.119	61760.176	31872.94	12.659	34.040	2982.76	1109.25	731.658	377.591
2012	252643	92775.175	59262.369	33512.81	13.265	36.123	2960.61	1087.19	694.468	392.721
2013	256175	92345.780	57153.199	35192.58	13.738	38.110	2967.76	1069.82	662.114	407.702
2014	257393	91379.215	54778.879	36600.34	14.220	40.053	2947.05	1046.26	627.197	419.060
2015	259782	90750.242	52887.133	37863.11	14.575	41.722	3346.10	1168.90	681.209	487.693
2016	261453	88811.996	49641.311	39170.68	14.982	44.105	3336.15	1133.24	633.425	499.820
2017	263685	87325.126	47000.521	40324.61	15.293	46.178	3333.85	1104.08	594.242	509.837
2018	258714	87612.144	46232.588	41379.56	15.994	47.230	3240.73	1097.46	579.123	518.333
2019	261438	87797.760	44891.611	42906.15	16.412	48.869	3242.99	1089.08	556.855	532.227
2020	262288	87221.042	43442.797	43778.24	16.691	50.192	3715.29	1235.48	615.364	620.115
2021	255079	82001.292	38655.745	43345.55	16.993	52.860	3587.82	1153.39	543.712	609.677
2022	257097	81915.977	37166.953	44749.02	17.406	54.628	3588.53	1143.37	518.773	624.602
2023	259080	81810.810	35714.247	46096.56	17.792	56.345	3586.88	1132.64	494.452	638.192
2024	260719	81528.303	34268.756	47259.55	18.127	57.967	3579.65	1119.38	470.508	648.870
2025	257308	79599.213	32616.385	46982.83	18.259	59.024	4112.08	1272.09	521.248	750.840
2026	251528	75082.462	28937.297	46145.16	18.346	61.459	4003.24	1194.99	460.557	734.432
2027	250988	74444.425	27431.536	47012.89	18.731	63.152	3976.53	1179.46	434.612	744.849
2028	250285	73699.585	25855.351	47844.23	19.116	64.918	3945.35	1161.76	407.569	754.190
2029	249525	72819.703	24328.994	48490.71	19.433	66.590	3910.99	1141.36	381.326	760.030
2030	240528	69309.277	22685.447	46623.83	19.384	67.269	4504.36	1297.95	424.829	873.121
2031	235442	65433.368	20032.220	45401.15	19.283	69.385	4397.65	1222.18	374.167	848.014
2032	234017	64643.552	18782.893	45860.66	19.597	70.944	4356.12	1203.31	349.634	853.674
2033	232559	63793.514	17601.020	46192.49	19.863	72.409	4310.93	1182.54	326.269	856.267
2034	230963	63032.151	16459.835	46572.32	20.164	73.887	4260.75	1162.80	303.647	859.154
2035	215822	57653.301	15028.576	42624.72	19.750	73.933	4924.38	1315.47	342.906	972.565
2036	208183	52988.733	12497.071	40491.66	19.450	76.416	4748.94	1208.75	285.075	923.670
2037	205491	52026.921	11530.213	40496.71	19.707	77.838	4682.40	1185.50	262.731	922.772
2038	202834	50943.211	10580.870	40362.34	19.899	79.230	4612.18	1158.38	240.595	917.788
2039	200251	50085.991	9751.082	40334.91	20.142	80.531	4538.65	1135.19	221.007	914.184

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1720736.513	524251.6	17.099	23.352	887.537	649.875	498.116	151.759

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77987	62366.766	62237.572	129.194	0.166	0.207	1195.35	955.930	953.949	1.980
1993	78542	62652.888	62398.512	254.375	0.324	0.406	1182.39	943.195	939.365	3.829
1994	77437	61565.227	61163.817	401.410	0.518	0.652	1144.00	909.520	903.590	5.930
1995	76904	60851.961	60267.826	584.135	0.760	0.960	1114.36	881.759	873.294	8.464
1996	76232	60122.922	59308.502	814.419	1.068	1.355	1087.44	857.643	846.025	11.618
1997	75473	59237.155	58175.058	1062.096	1.407	1.793	1059.06	831.234	816.331	14.904
1998	75381	58906.696	57537.254	1369.442	1.817	2.325	1040.37	813.001	794.100	18.900
1999	73159	56930.073	55258.757	1671.315	2.284	2.936	993.781	773.329	750.626	22.703
2000	73784	57137.121	55072.367	2064.754	2.798	3.614	987.608	764.787	737.150	27.637
2001	73294	56481.726	53973.016	2508.710	3.423	4.442	968.273	746.169	713.027	33.142
2002	72442	55588.365	52612.965	2975.401	4.107	5.353	946.293	726.138	687.271	38.867
2003	71942	54945.856	51453.697	3492.159	4.854	6.356	929.989	710.281	665.138	45.143
2004	71301	54203.126	50141.535	4061.590	5.696	7.493	911.778	693.135	641.196	51.939
2005	70964	53744.603	49093.804	4650.799	6.554	8.654	896.937	679.296	620.513	58.783
2006	69658	52535.572	47266.378	5269.194	7.564	10.030	872.383	657.945	591.955	65.990
2007	68565	51492.124	45611.397	5880.727	8.577	11.421	849.888	638.264	565.370	72.894
2008	68226	51030.736	44408.650	6622.086	9.706	12.977	836.215	625.460	544.296	81.164
2009	67509	50276.199	42912.518	7363.681	10.908	14.646	817.667	608.943	519.755	89.189
2010	67196	49840.933	41733.414	8107.519	12.065	16.267	804.000	596.347	499.340	97.006
2011	66506	49072.841	40146.231	8926.610	13.422	18.191	787.880	581.354	475.603	105.751
2012	66155	48539.512	38733.169	9806.343	14.823	20.203	775.240	568.812	453.896	114.916
2013	65333	47675.741	37086.546	10589.20	16.208	22.211	756.876	552.318	429.644	122.675
2014	65033	47194.534	35787.650	11406.88	17.540	24.170	744.602	540.359	409.755	130.604
2015	64145	46305.842	34189.039	12116.80	18.890	26.167	826.215	596.439	440.369	156.070
2016	61618	44208.867	31676.294	12532.57	20.339	28.349	786.248	564.107	404.191	159.916
2017	59897	42702.624	29686.069	13016.55	21.732	30.482	757.297	539.903	375.330	164.572
2018	62468	44321.202	29690.973	14630.23	23.420	33.010	782.490	555.181	371.918	183.263
2019	63045	44493.088	28785.690	15707.40	24.915	35.303	782.035	551.912	357.070	194.841
2020	63466	44529.551	27820.444	16709.11	26.328	37.524	898.991	630.757	394.074	236.683
2021	57113	39852.556	23921.704	15930.85	27.894	39.974	803.323	560.546	336.471	224.075
2022	57440	39853.685	22921.959	16931.73	29.477	42.485	801.745	556.274	319.942	236.331
2023	57738	39847.050	21929.207	17917.84	31.033	44.967	799.366	551.670	303.603	248.067
2024	57942	39726.010	20927.947	18798.06	32.443	47.319	795.539	545.435	287.339	258.096
2025	57521	39207.348	19824.572	19382.78	33.697	49.437	919.257	626.579	316.820	309.759
2026	51428	34803.960	16771.776	18032.18	35.063	51.811	818.510	553.929	266.934	286.995
2027	51172	34484.595	15779.536	18705.06	36.553	54.242	810.740	546.357	250.003	296.354
2028	50870	34100.638	14759.827	19340.81	38.020	56.717	801.884	537.544	232.666	304.878
2029	50540	33669.838	13786.635	19883.20	39.342	59.053	792.146	527.732	216.088	311.644
2030	49109	32557.688	12762.913	19794.78	40.308	60.799	919.662	609.705	239.010	370.695
2031	43585	28646.393	10624.278	18022.12	41.349	62.912	814.096	535.065	198.443	336.622
2032	43163	28227.160	9870.062	18357.10	42.530	65.033	803.454	525.435	183.726	341.709
2033	42725	27786.623	9162.736	18623.89	43.590	67.025	791.996	515.079	169.849	345.230
2034	42256	27348.299	8494.961	18853.34	44.617	68.938	779.523	504.514	156.713	347.801
2035	39748	25570.077	7685.465	17884.61	44.995	69.944	906.933	583.430	175.359	408.072
2036	34030	21717.319	5982.692	15734.63	46.238	72.452	776.269	495.402	136.473	358.928
2037	33454	21256.024	5478.274	15777.75	47.163	74.227	762.289	484.347	124.830	359.517
2038	32883	20747.175	4992.466	15754.71	47.911	75.937	747.720	471.764	113.522	358.242
2039	32325	20327.688	4574.341	15753.35	48.734	77.497	732.644	460.724	103.677	357.047

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6360041	1098877.421	513843.353	585034.1	9.199	53.239	1841.09	318.101	148.747	169.355

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000	
1991	168044	37309.838	36996.010	313.828	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164548	36137.488	35292.947	844.541	0.513	2.337	2522.12	553.899	540.954	12.945
1993	164362	35599.588	34035.880	1563.707	0.951	4.392	2474.35	535.926	512.386	23.541
1994	159866	34336.757	31950.112	2386.645	1.493	6.951	2361.75	507.267	472.008	35.259
1995	158083	33455.759	30118.921	3336.838	2.111	9.974	2290.66	484.782	436.430	48.352
1996	154875	32193.824	27848.527	4345.298	2.806	13.497	2209.26	459.239	397.254	61.985
1997	149970	30665.509	25342.770	5322.739	3.549	17.357	2104.43	430.308	355.618	74.690
1998	145407	29188.430	22950.414	6238.016	4.290	21.372	2006.83	402.844	316.750	86.094
1999	165952	33375.386	24695.338	8680.048	5.230	26.007	2254.27	453.366	335.458	117.908
2000	160260	32024.754	22304.681	9720.073	6.065	30.352	2145.10	428.655	298.551	130.104
2001	154444	30682.393	19881.950	10800.44	6.993	35.201	2040.33	405.339	262.657	142.683
2002	151887	30218.370	18151.736	12066.63	7.944	39.931	1984.06	394.736	237.112	157.624
2003	146733	29175.202	16174.213	13000.99	8.860	44.562	1896.81	377.146	209.083	168.063
2004	138381	27488.687	14002.771	13485.92	9.745	49.060	1769.58	351.518	179.064	172.454
2005	135881	27017.439	12660.569	14356.87	10.566	53.139	1717.44	341.482	160.021	181.461
2006	131922	26231.435	11132.325	15099.11	11.445	57.561	1652.16	328.517	139.419	189.098
2007	126502	25103.049	9690.517	15412.53	12.184	61.397	1568.04	311.161	120.117	191.044
2008	125859	24621.740	8723.838	15897.90	12.632	64.569	1542.60	301.777	106.924	194.853
2009	122428	23741.177	7686.735	16054.44	13.113	67.623	1482.84	287.552	93.101	194.451
2010	120537	23189.160	6878.347	16310.81	13.532	70.338	1442.22	277.458	82.299	195.159
2011	120221	22786.927	6124.917	16662.01	13.859	73.121	1424.23	269.951	72.560	197.391
2012	120927	22485.295	5512.518	16972.78	14.036	75.484	1417.09	263.495	64.599	198.896
2013	122648	22251.884	4996.786	17255.10	14.069	77.544	1420.86	257.786	57.887	199.898
2014	123229	21894.593	4507.036	17387.56	14.110	79.415	1410.92	250.685	51.604	199.081
2015	123774	21471.109	4084.735	17386.37	14.047	80.976	1594.26	276.557	52.613	223.944
2016	126218	21411.568	3705.198	17706.37	14.028	82.695	1610.55	273.213	47.278	225.934
2017	128265	21169.399	3365.012	17804.39	13.881	84.104	1621.69	267.651	42.545	225.106
2018	121429	19830.576	2856.076	16974.50	13.979	85.598	1521.05	248.404	35.776	212.628
2019	121832	19431.014	2591.622	16839.39	13.822	86.662	1511.26	241.031	32.148	208.883
2020	120811	18532.612	2314.676	16217.94	13.424	87.510	1711.27	262.513	32.787	229.726
2021	119407	18234.128	2068.247	16165.88	13.539	88.657	1679.51	256.472	29.091	227.381
2022	119438	17812.559	1866.846	15945.71	13.351	89.519	1667.10	248.626	26.057	222.569
2023	119445	17361.668	1684.630	15677.04	13.125	90.297	1653.68	240.367	23.323	217.044
2024	119305	16929.676	1534.608	15395.07	12.904	90.935	1638.05	232.443	21.070	211.373
2025	115685	15501.666	1346.442	14155.22	12.236	91.314	1848.78	247.735	21.518	226.217
2026	115073	15523.814	1246.788	14277.03	12.407	91.969	1831.46	247.072	19.843	227.229
2027	113989	15073.070	1147.046	13926.02	12.217	92.390	1805.98	238.810	18.173	220.637
2028	112855	14636.710	1048.908	13587.80	12.040	92.834	1778.98	230.725	16.534	214.191
2029	111718	14180.166	958.393	13221.77	11.835	93.241	1751.04	222.256	15.022	207.235
2030	104851	12111.772	809.966	11301.81	10.779	93.313	1963.54	226.816	15.168	211.648
2031	105289	12417.367	788.561	11628.81	11.045	93.650	1966.62	231.935	14.729	217.206
2032	103879	12054.064	737.173	11316.89	10.894	93.884	1933.67	224.381	13.722	210.658
2033	102485	11672.389	680.874	10991.52	10.725	94.167	1899.76	216.370	12.621	203.749
2034	101070	11365.762	628.672	10737.09	10.623	94.469	1864.51	209.673	11.598	198.075
2035	90820	8580.360	481.093	8099.267	8.918	94.393	2072.23	195.777	10.977	184.800
2036	92117	8948.841	475.466	8473.375	9.199	94.687	2101.31	204.135	10.846	193.289
2037	90327	8624.570	449.252	8175.318	9.051	94.791	2058.21	196.522	10.237	186.286
2038	88590	8315.017	417.396	7897.621	8.915	94.980	2014.42	189.073	9.491	179.582
2039	86921	8001.132	384.090	7617.041	8.763	95.200	1970.05	181.344	8.705	172.639

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	1489699	149918.462	69337.421	80581.04	5.409	53.750	431.236	43.398	20.072	23.326

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	0.000	
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.503	105.070	0.327	2.359	492.014	68.262	66.652	1.610
1993	32896	4462.473	4263.941	198.532	0.604	4.449	495.226	67.179	64.191	2.989
1994	33323	4499.513	4186.115	313.399	0.940	6.965	492.290	66.473	61.843	4.630
1995	33569	4472.774	4028.387	444.387	1.324	9.935	486.422	64.812	58.372	6.439
1996	33870	4406.878	3817.641	589.237	1.740	13.371	483.150	62.863	54.458	8.405
1997	33516	4288.158	3551.947	736.211	2.197	17.168	470.307	60.173	49.842	10.331
1998	32795	4120.148	3249.666	870.482	2.654	21.127	452.620	56.864	44.850	12.014
1999	33375	3982.443	2978.207	1004.235	3.009	25.217	453.361	54.097	40.456	13.641
2000	33459	4021.411	2840.907	1180.504	3.528	29.355	447.853	53.827	38.026	15.801
2001	32275	3848.092	2548.924	1299.168	4.025	33.761	426.379	50.836	33.673	17.163
2002	31586	3783.081	2345.317	1437.764	4.552	38.005	412.601	49.418	30.636	18.781
2003	30985	3754.415	2163.050	1591.365	5.136	42.387	400.541	48.533	27.962	20.571
2004	29884	3666.274	1958.897	1707.378	5.713	46.570	382.149	46.883	25.050	21.833
2005	28708	3589.688	1771.871	1817.817	6.332	50.640	362.850	45.371	22.395	22.976
2006	28188	3596.985	1627.696	1969.288	6.986	54.748	353.021	45.048	20.385	24.663
2007	28026	3560.798	1479.229	2081.568	7.427	58.458	347.392	44.137	18.336	25.802
2008	27128	3417.001	1302.910	2114.092	7.793	61.870	332.495	41.881	15.969	25.911
2009	27068	3394.390	1187.321	2207.069	8.154	65.021	327.847	41.113	14.381	26.732
2010	26911	3340.137	1076.081	2264.057	8.413	67.783	321.990	39.965	12.875	27.089
2011	26959	3285.435	971.300	2314.135	8.584	70.436	319.377	38.922	11.507	27.415
2012	27057	3259.209	877.451	2381.758	8.803	73.078	317.068	38.193	10.282	27.911
2013	27904	3274.703	806.903	2467.800	8.844	75.360	323.265	37.937	9.348	28.589
2014	28792	3298.083	741.160	2556.923	8.881	77.528	329.657	37.762	8.486	29.276
2015	29560	3244.406	673.592	2570.814	8.697	79.238	380.745	41.789	8.676	33.113
2016	30513	3314.836	629.074	2685.762	8.802	81.022	389.347	42.297	8.027	34.270
2017	31416	3333.314	579.604	2753.709	8.765	82.612	397.202	42.144	7.328	34.816
2018	29348	2925.242	471.376	2453.866	8.361	83.886	367.626	36.642	5.905	30.738
2019	29598	2864.628	426.785	2437.843	8.236	85.102	367.149	35.534	5.294	30.240
2020	29592	2730.366	378.836	2351.531	7.946	86.125	419.174	38.675	5.366	33.309
2021	30097	2647.911	340.086	2307.824	7.668	87.156	423.328	37.244	4.783	32.461
2022	30304	2586.165	306.225	2279.940	7.524	88.159	422.974	36.097	4.274	31.823
2023	30505	2517.960	276.075	2241.885	7.349	89.036	422.337	34.860	3.822	31.038
2024	30661	2454.161	250.960	2203.201	7.186	89.774	420.968	33.695	3.446	30.250
2025	30254	2275.364	219.633	2055.732	6.795	90.347	483.488	36.363	3.510	32.853
2026	30685	2183.166	197.328	1985.838	6.472	90.961	488.380	34.747	3.141	31.606
2027	30561	2112.345	179.911	1932.434	6.323	91.483	484.196	33.467	2.850	30.617
2028	30412	2046.677	164.054	1882.623	6.190	91.984	479.392	32.263	2.586	29.677
2029	30254	1977.671	149.232	1828.440	6.044	92.454	474.195	30.997	2.339	28.658
2030	29330	1744.457	127.168	1617.289	5.514	92.710	549.260	32.668	2.381	30.287
2031	28976	1653.738	114.906	1538.832	5.311	93.052	541.223	30.889	2.146	28.743
2032	28724	1603.120	105.397	1497.723	5.214	93.425	534.690	29.841	1.962	27.879
2033	28464	1548.245	96.834	1451.411	5.099	93.746	527.627	28.700	1.795	26.905
2034	28178	1511.985	89.611	1422.374	5.048	94.073	519.826	27.893	1.653	26.240
2035	26737	1239.866	72.323	1167.542	4.367	94.167	610.065	28.290	1.650	26.640
2036	25591	1182.522	65.720	1116.802	4.364	94.442	583.762	26.975	1.499	25.476
2037	25143	1134.483	61.545	1072.938	4.267	94.575	572.916	25.851	1.402	24.448
2038	24693	1093.537	56.946	1036.591	4.198	94.792	561.491	24.866	1.295	23.571
2039	24247	1047.905	52.103	995.802	4.107	95.028	549.553	23.751	1.181	22.570

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	675659.047	339947.5	15.223	33.472	646.447	293.996	195.589	98.407

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.226	57.963	0.171	0.304	520.248	292.085	291.196	0.888
1993	35913	20095.670	19976.892	118.777	0.331	0.591	540.645	302.526	300.738	1.788
1994	35074	19524.095	19342.057	182.037	0.519	0.932	518.158	288.435	285.746	2.689
1995	34669	19116.002	18854.918	261.084	0.753	1.366	502.362	276.995	273.212	3.783
1996	34582	18975.021	18617.844	357.177	1.033	1.882	493.306	270.675	265.580	5.095
1997	35267	19169.025	18693.993	475.032	1.347	2.478	494.878	268.986	262.320	6.666
1998	35675	19228.937	18616.550	612.388	1.717	3.185	492.368	265.388	256.936	8.452
1999	38516	20589.820	19784.130	805.690	2.092	3.913	523.195	279.689	268.745	10.944
2000	36283	19196.417	18283.657	912.760	2.516	4.755	485.652	256.946	244.729	12.217
2001	36281	19012.731	17906.521	1106.210	3.049	5.818	479.301	251.174	236.560	14.614
2002	35983	18699.357	17404.035	1295.322	3.600	6.927	470.038	244.265	227.345	16.920
2003	36205	18663.550	17150.276	1513.274	4.180	8.108	468.019	241.262	221.700	19.562
2004	34611	17679.164	16000.801	1678.363	4.849	9.493	442.596	226.076	204.614	21.462
2005	36826	18692.832	16663.188	2029.644	5.511	10.858	465.456	236.265	210.611	25.653
2006	34350	17308.564	15152.509	2156.054	6.277	12.457	430.192	216.769	189.767	27.002
2007	35326	17683.181	15186.796	2496.385	7.067	14.117	437.879	219.189	188.246	30.944
2008	38248	19006.374	16025.430	2980.945	7.794	15.684	468.788	232.952	196.416	36.536
2009	36902	18205.573	14998.714	3206.858	8.690	17.615	446.956	220.505	181.664	38.841
2010	37234	18237.758	14720.164	3517.595	9.447	19.287	445.505	218.215	176.127	42.088
2011	38093	18487.916	14517.728	3970.188	10.422	21.475	451.279	219.022	171.988	47.034
2012	38504	18491.158	14139.231	4351.927	11.303	23.535	451.211	216.689	165.691	50.998
2013	40290	19143.452	14262.964	4880.488	12.113	25.494	466.755	221.775	165.235	56.540
2014	40339	18992.005	13743.034	5248.971	13.012	27.638	461.866	217.451	157.352	60.099
2015	42303	19728.885	13939.766	5789.118	13.685	29.343	544.880	254.116	179.550	74.566
2016	43104	19876.724	13630.744	6245.980	14.490	31.424	550.009	253.628	173.929	79.699
2017	44107	20119.790	13369.835	6749.955	15.304	33.549	557.659	254.381	169.039	85.342
2018	45469	20535.123	13214.164	7320.959	16.101	35.651	569.564	257.229	165.525	91.705
2019	46963	21009.029	13087.515	7921.514	16.868	37.705	582.552	260.605	162.343	98.262
2020	48419	21428.512	12928.843	8499.669	17.554	39.665	685.853	303.533	183.136	120.397
2021	48463	21266.697	12325.708	8940.989	18.449	42.042	681.652	299.127	173.367	125.759
2022	49915	21663.568	12071.924	9591.644	19.216	44.275	696.712	302.378	168.499	133.879
2023	51391	22084.131	11824.335	10259.80	19.964	46.458	711.491	305.748	163.704	142.044
2024	52811	22418.456	11555.242	10863.21	20.570	48.457	725.093	307.804	158.653	149.151
2025	53848	22614.834	11225.738	11389.10	21.150	50.361	860.553	361.411	179.400	182.011
2026	54342	22571.522	10721.406	11850.12	21.807	52.500	864.886	359.241	170.638	188.603
2027	55267	22774.416	10325.043	12449.37	22.526	54.664	875.619	360.827	163.585	197.242
2028	56149	22915.561	9882.563	13033.00	23.211	56.874	885.102	361.228	155.783	205.445
2029	57014	22992.027	9434.734	13557.29	23.779	58.965	893.616	360.371	147.878	212.493
2030	57238	22895.360	8985.400	13909.96	24.302	60.754	1071.90	428.760	168.269	260.491
2031	57592	22715.871	8504.476	14211.39	24.676	62.562	1075.71	424.293	158.849	265.444
2032	58251	22759.207	8070.260	14688.95	25.217	64.541	1084.31	423.652	150.224	273.428
2033	58885	22786.258	7660.577	15125.68	25.687	66.381	1091.54	422.387	142.004	280.384
2034	59460	22806.106	7246.590	15559.52	26.168	68.225	1096.89	420.721	133.683	287.038
2035	58516	22262.998	6789.695	15473.30	26.443	69.502	1335.15	507.973	154.920	353.053
2036	56446	21140.051	5973.193	15166.86	26.870	71.745	1287.60	482.234	136.257	345.977
2037	56568	21011.845	5541.143	15470.70	27.349	73.628	1288.98	478.783	126.262	352.521
2038	56668	20787.483	5114.062	15673.42	27.658	75.398	1288.55	472.681	116.287	356.393
2039	56758	20709.267	4740.548	15968.72	28.135	77.109	1286.40	469.372	107.444	361.928

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop				
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13291617	4509390.583	2997386.267	1512004	11.376	33.530	3815.57	1305.37	860.447	444.924

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop				
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123575.251	424.191	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308580	122014.015	120878.365	1135.650	0.368	0.931	4729.74	1870.18	1852.76	17.419
1993	311723	122810.618	120679.212	2131.406	0.684	1.736	4692.65	1848.83	1816.70	32.131
1994	305723	119925.592	116651.270	3274.322	1.071	2.730	4516.28	1771.69	1723.22	48.471
1995	303268	117896.496	113286.680	4609.816	1.520	3.910	4393.95	1708.35	1641.37	66.972
1996	299629	115698.645	109619.062	6079.583	2.029	5.255	4273.40	1650.42	1563.42	86.999
1997	294330	113359.847	105802.772	7557.075	2.568	6.666	4129.04	1590.70	1484.26	106.437
1998	289405	111444.212	102407.848	9036.364	3.122	8.108	3992.71	1538.10	1412.85	125.247
1999	311218	114877.722	102790.594	12087.13	3.884	10.522	4225.39	1560.48	1395.58	164.898
2000	304071	112379.704	98597.674	13782.03	4.532	12.264	4067.26	1504.22	1318.84	185.372
2001	296654	110024.943	94429.246	15595.70	5.257	14.175	3915.60	1453.52	1246.39	207.125
2002	292345	108289.173	90657.881	17631.29	6.031	16.282	3814.65	1414.56	1182.94	231.612
2003	286406	106539.023	87111.456	19427.57	6.783	18.235	3697.37	1377.22	1124.57	252.652
2004	274805	103037.251	82298.385	20738.87	7.547	20.128	3508.45	1317.61	1050.71	266.904
2005	273120	103044.562	80414.649	22629.91	8.286	21.961	3445.47	1302.41	1014.45	287.965
2006	264961	99672.555	75426.169	24246.39	9.151	24.326	3310.95	1248.28	942.524	305.754
2007	259376	97839.152	72241.972	25597.18	9.869	26.163	3206.84	1212.75	893.177	319.575
2008	260563	98075.852	70768.066	27307.79	10.480	27.844	3184.31	1202.07	864.849	337.222
2009	255134	95617.338	67116.792	28500.55	11.171	29.807	3080.04	1158.11	810.249	347.865
2010	253248	94607.988	64768.363	29839.63	11.783	31.540	3019.01	1131.98	772.113	359.871
2011	253310	93633.119	62146.728	31486.39	12.430	33.627	2988.73	1109.25	733.251	375.998
2012	254350	92775.175	59674.520	33100.65	13.014	35.678	2967.31	1087.19	696.177	391.012
2013	258091	92345.780	57593.343	34752.44	13.465	37.633	2975.35	1069.82	663.954	405.862
2014	259513	91379.215	55244.396	36134.82	13.924	39.544	2955.51	1046.26	629.161	417.095
2015	262135	90750.242	53380.124	37370.12	14.256	41.179	3354.48	1168.90	683.092	485.809
2016	264033	88811.996	50146.459	38665.54	14.644	43.536	3345.43	1133.24	635.381	497.863
2017	266514	87325.126	47520.533	39804.59	14.935	45.582	3344.19	1104.08	596.282	507.797
2018	261707	87612.144	46786.232	40825.91	15.600	46.598	3251.70	1097.46	581.318	516.138
2019	264699	87797.760	45472.182	42325.58	15.990	48.208	3255.10	1089.08	559.187	529.895
2020	265832	87221.042	44049.017	43172.02	16.240	49.497	3726.41	1235.48	617.474	618.005
2021	258762	82001.292	39235.378	42765.91	16.527	52.153	3599.49	1153.39	545.782	607.608
2022	261054	81915.977	37761.967	44154.01	16.914	53.902	3601.31	1143.37	520.936	622.439
2023	263325	81810.810	36323.450	45487.36	17.274	55.601	3600.84	1132.64	496.706	635.939
2024	265259	81528.303	34890.798	46637.50	17.582	57.204	3594.87	1119.38	472.851	646.527
2025	262128	79599.213	33247.627	46351.59	17.683	58.231	4125.07	1272.09	523.213	748.874
2026	256492	75082.462	29532.661	45549.80	17.759	60.666	4016.76	1194.99	462.493	732.496
2027	256213	74444.425	28027.930	46416.49	18.116	62.351	3991.23	1179.46	436.614	742.847
2028	255772	73699.585	26449.089	47250.50	18.474	64.112	3961.29	1161.76	409.632	752.128
2029	255280	72819.703	24917.977	47901.73	18.764	65.781	3928.23	1141.36	383.436	757.920
2030	246484	69309.277	23267.898	46041.38	18.679	66.429	4518.43	1297.95	426.536	871.413
2031	241509	65433.368	20571.358	44862.01	18.576	68.561	4411.89	1222.18	375.798	846.384
2032	240321	64643.552	19312.172	45331.38	18.863	70.125	4371.54	1203.31	351.297	852.012
2033	239099	63793.514	18120.255	45673.26	19.102	71.595	4327.58	1182.54	327.968	854.568
2034	237734	63032.151	16967.973	46064.18	19.376	73.080	4278.65	1162.80	305.383	857.417
2035	222605	57653.301	15519.346	42133.95	18.928	73.082	4939.33	1315.47	344.355	971.116
2036	214895	52988.733	12918.185	40070.55	18.647	75.621	4762.64	1208.75	286.301	922.444
2037	212348	52026.921	11933.040	40093.88	18.881	77.064	4696.96	1185.50	263.948	921.555
2038	209832	50943.211	10964.112	39979.10	19.053	78.478	4627.64	1158.38	241.802	916.581
2039	207387	50085.991	10116.747	39969.24	19.273	79.801	4555.00	1135.19	222.202	912.989

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	3095740	2244988.113	1731252.794	513735.3	16.595	22.884	888.681	649.875	496.983	152.892

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	0.000	
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77988	62366.766	62238.153	128.613	0.165	0.206	1195.35	955.930	953.952	1.978
1993	78545	62652.888	62400.586	252.301	0.321	0.403	1182.40	943.195	939.373	3.821
1994	77443	61565.227	61168.655	396.571	0.512	0.644	1144.02	909.520	903.610	5.910
1995	76915	60851.961	60276.723	575.238	0.748	0.945	1114.40	881.759	873.330	8.429
1996	76251	60122.922	59322.949	799.973	1.049	1.331	1087.51	857.643	846.083	11.560
1997	75501	59237.155	58196.625	1040.530	1.378	1.757	1059.17	831.234	816.417	14.818
1998	75421	58906.696	57567.766	1338.930	1.775	2.273	1040.53	813.001	794.222	18.778
1999	73212	56930.073	55298.909	1631.164	2.228	2.865	993.996	773.329	750.791	22.539
2000	73856	57137.121	55126.332	2010.788	2.723	3.519	987.900	764.787	737.371	27.417
2001	73387	56481.726	54041.385	2440.341	3.325	4.321	968.647	746.169	713.305	32.864
2002	72557	55588.365	52697.098	2891.267	3.985	5.201	946.763	726.138	687.615	38.523
2003	72083	54945.856	51554.961	3390.896	4.704	6.171	930.560	710.281	665.551	44.730
2004	71470	54203.126	50260.905	3942.220	5.516	7.273	912.463	693.135	641.684	51.451
2005	71164	53744.603	49232.523	4512.080	6.340	8.395	897.746	679.296	621.079	58.216
2006	69888	52535.572	47422.825	5112.747	7.316	9.732	873.316	657.945	592.595	65.350
2007	68827	51492.124	45786.215	5705.909	8.290	11.081	850.955	638.264	566.086	72.177
2008	68524	51030.736	44603.555	6427.181	9.379	12.595	837.430	625.460	545.095	80.365
2009	67845	50276.199	43126.751	7149.448	10.538	14.220	819.036	608.943	520.636	88.308
2010	67572	49840.933	41968.251	7872.681	11.651	15.796	805.541	596.347	500.310	96.037
2011	66923	49072.841	40398.966	8673.875	12.961	17.676	789.600	581.354	476.656	104.698
2012	66614	48539.512	39003.919	9535.593	14.315	19.645	777.140	568.812	455.029	113.783
2013	65835	47675.741	37373.410	10302.33	15.649	21.609	758.962	552.318	430.852	121.466
2014	65583	47194.534	36093.187	11101.35	16.927	23.523	746.910	540.359	411.054	129.305
2015	64740	46305.842	34508.849	11796.99	18.222	25.476	828.460	596.439	441.601	154.838
2016	62241	44208.867	31999.781	12209.09	19.616	27.617	788.625	564.107	405.454	158.653
2017	60555	42702.624	30015.553	12687.07	20.951	29.710	759.836	539.903	376.632	163.271
2018	63208	44321.202	30047.679	14273.52	22.582	32.205	785.363	555.181	373.342	181.839
2019	63850	44493.088	29159.021	15334.07	24.016	34.464	785.190	551.912	358.578	193.333
2020	64340	44529.551	28209.345	16320.21	25.366	36.650	901.909	630.757	395.435	235.322
2021	57957	39852.556	24281.330	15571.23	26.867	39.072	806.205	560.546	337.764	222.782
2022	58345	39853.685	23289.812	16563.87	28.390	41.562	804.881	556.274	321.289	234.985
2023	58705	39847.050	22304.098	17542.95	29.883	44.026	802.769	551.670	304.998	246.672
2024	58973	39726.010	21308.561	18417.45	31.230	46.361	799.224	545.435	288.780	256.655
2025	58614	39207.348	20208.566	18998.78	32.413	48.457	922.405	626.579	318.019	308.560
2026	52463	34803.960	17117.406	17686.55	33.713	50.818	821.586	553.929	268.065	285.864
2027	52258	34484.595	16123.112	18361.48	35.136	53.245	814.060	546.357	251.163	295.194
2028	52007	34100.638	15099.153	19001.49	36.537	55.722	805.458	537.544	233.849	303.695
2029	51728	33669.838	14120.608	19549.23	37.793	58.062	795.981	527.732	217.287	310.445
2030	50339	32557.688	13090.450	19467.24	38.673	59.793	922.785	609.705	239.968	369.737
2031	44724	28646.393	10910.244	17736.15	39.657	61.914	817.010	535.065	199.308	335.756
2032	44341	28227.160	10148.143	18079.02	40.773	64.048	806.582	525.435	184.599	340.836
2033	43943	27786.623	9432.879	18353.74	41.767	66.052	795.345	515.079	170.731	344.348
2034	43511	27348.299	8756.895	18591.40	42.728	67.980	783.093	504.514	157.603	346.911
2035	41008	25570.077	7935.969	17634.11	43.002	68.964	909.907	583.430	176.089	407.341
2036	35130	21717.319	6183.247	15534.07	44.219	71.528	778.577	495.402	137.037	358.365
2037	34573	21256.024	5668.554	15587.47	45.085	73.332	764.727	484.347	125.383	358.964
2038	34021	20747.175	5172.163	15575.01	45.781	75.071	750.291	471.764	114.067	357.697
2039	33480	20327.688	4744.706	15582.98	46.544	76.659	735.345	460.724	104.212	356.512

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6423112	1098877.421	514995.712	583881.7	9.090	53.134	1843.86	318.101	147.838	170.264

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36996.010	313.828	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164549	36137.488	35293.278	844.210	0.513	2.336	2522.12	553.899	540.956	12.943
1993	164367	35599.588	34037.032	1562.555	0.951	4.389	2474.37	535.926	512.391	23.536
1994	159878	34336.757	31952.680	2384.077	1.491	6.943	2361.79	507.267	472.019	35.248
1995	158105	33455.759	30123.463	3332.296	2.108	9.960	2290.74	484.782	436.449	48.332
1996	154911	32193.824	27855.471	4338.354	2.801	13.476	2209.39	459.239	397.284	61.956
1997	150023	30665.509	25352.411	5313.098	3.542	17.326	2104.61	430.308	355.659	74.649
1998	145480	29188.430	22962.898	6225.532	4.279	21.329	2007.09	402.844	316.803	86.041
1999	166067	33375.386	24713.681	8661.705	5.216	25.952	2254.68	453.366	335.537	117.830
2000	160410	32024.754	22327.096	9697.658	6.046	30.282	2145.65	428.655	298.648	130.008
2001	154631	30682.393	19907.773	10774.62	6.968	35.117	2041.01	405.339	262.767	142.572
2002	152119	30218.370	18181.383	12036.99	7.913	39.833	1984.91	394.736	237.239	157.497
2003	147009	29175.202	16206.691	12968.51	8.822	44.450	1897.82	377.146	209.221	167.925
2004	138696	27488.687	14036.673	13452.01	9.699	48.937	1770.73	351.518	179.207	172.311
2005	136248	27017.439	12696.799	14320.64	10.511	53.005	1718.80	341.482	160.173	181.309
2006	132339	26231.435	11169.416	15062.02	11.381	57.420	1653.71	328.517	139.573	188.944
2007	126966	25103.049	9727.734	15375.32	12.110	61.249	1569.76	311.161	120.271	190.891
2008	126388	24621.740	8762.114	15859.63	12.548	64.413	1544.57	301.777	107.081	194.697
2009	123013	23741.177	7724.958	16016.22	13.020	67.462	1485.04	287.552	93.257	194.295
2010	121184	23189.160	6916.654	16272.51	13.428	70.173	1444.65	277.458	82.454	195.004
2011	120941	22786.927	6162.841	16624.09	13.746	72.954	1426.94	269.951	72.714	197.238
2012	121732	22485.295	5550.308	16934.99	13.912	75.316	1420.16	263.495	64.751	198.744
2013	123551	22251.884	5034.490	17217.39	13.935	77.375	1424.34	257.786	58.039	199.747
2014	124228	21894.593	4544.327	17350.27	13.966	79.245	1414.79	250.685	51.754	198.931
2015	124877	21471.109	4121.722	17349.39	13.893	80.803	1598.02	276.557	52.745	223.812
2016	127444	21411.568	3741.624	17669.94	13.865	82.525	1614.78	273.213	47.408	225.804
2017	129619	21169.399	3400.799	17768.60	13.708	83.935	1626.45	267.651	42.673	224.979
2018	122801	19830.576	2888.450	16942.13	13.796	85.434	1525.80	248.404	35.889	212.515
2019	123315	19431.014	2623.125	16807.89	13.630	86.500	1516.45	241.031	32.257	208.773
2020	122409	18532.612	2345.169	16187.44	13.224	87.346	1715.91	262.513	32.874	229.639
2021	121085	18234.128	2096.939	16137.19	13.327	88.500	1684.34	256.472	29.169	227.303
2022	121226	17812.559	1894.187	15918.37	13.131	89.366	1672.34	248.626	26.131	222.495
2023	121347	17361.668	1710.670	15651.00	12.898	90.147	1659.37	240.367	23.393	216.974
2024	121322	16929.676	1559.663	15370.01	12.669	90.787	1644.20	232.443	21.137	211.306
2025	117804	15501.666	1370.299	14131.37	11.996	91.160	1853.87	247.735	21.564	226.170
2026	117276	15523.814	1269.546	14254.27	12.154	91.822	1836.59	247.072	19.882	227.191
2027	116288	15073.070	1168.881	13904.19	11.957	92.245	1811.51	238.810	18.209	220.602
2028	115249	14636.710	1069.795	13566.91	11.772	92.691	1784.93	230.725	16.569	214.156
2029	114208	14180.166	978.378	13201.79	11.559	93.100	1757.43	222.256	15.055	207.201
2030	107388	12111.772	828.571	11283.20	10.507	93.159	1968.60	226.816	15.189	211.627
2031	107923	12417.367	806.956	11610.41	10.758	93.501	1971.53	231.935	14.741	217.193
2032	106592	12054.064	754.888	11299.18	10.600	93.737	1938.95	224.381	13.732	210.649
2033	105275	11672.389	697.880	10974.51	10.425	94.021	1905.42	216.370	12.631	203.739
2034	103933	11365.762	645.086	10720.68	10.315	94.324	1870.54	209.673	11.610	198.063
2035	93614	8580.360	495.324	8085.036	8.637	94.227	2077.18	195.777	10.991	184.787
2036	95009	8948.841	489.637	8459.203	8.904	94.528	2105.66	204.135	10.852	193.284
2037	93259	8624.570	463.010	8161.559	8.751	94.631	2062.80	196.522	10.241	186.281
2038	91560	8315.017	430.573	7884.444	8.611	94.822	2019.25	189.073	9.496	179.577
2039	89926	8001.132	396.631	7604.501	8.456	95.043	1975.12	181.344	8.712	172.633

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1506821	149918.462	69508.241	80410.22	5.336	53.636	432.557	43.398	19.953	23.445

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.543	105.029	0.327	2.358	492.015	68.262	66.652	1.610
1993	32897	4462.473	4264.085	198.388	0.603	4.446	495.229	67.179	64.191	2.988
1994	33325	4499.513	4186.448	313.065	0.939	6.958	492.297	66.473	61.844	4.629
1995	33574	4472.774	4028.989	443.785	1.322	9.922	486.436	64.812	58.375	6.437
1996	33877	4406.878	3818.587	588.291	1.737	13.349	483.172	62.863	54.462	8.401
1997	33527	4288.158	3553.287	734.871	2.192	17.137	470.341	60.173	49.848	10.325
1998	32811	4120.148	3251.419	868.729	2.648	21.085	452.668	56.864	44.858	12.007
1999	33397	3982.443	2980.388	1002.054	3.000	25.162	453.430	54.097	40.465	13.632
2000	33489	4021.411	2843.724	1177.687	3.517	29.285	447.949	53.827	38.038	15.789
2001	32312	3848.092	2552.176	1295.916	4.011	33.677	426.499	50.836	33.687	17.150
2002	31632	3783.081	2349.087	1433.994	4.533	37.905	412.754	49.418	30.652	18.766
2003	31041	3754.415	2167.275	1587.140	5.113	42.274	400.725	48.533	27.979	20.554
2004	29950	3666.274	1963.505	1702.769	5.685	46.444	382.370	46.883	25.068	21.815
2005	28783	3589.688	1776.786	1812.902	6.298	50.503	363.108	45.371	22.415	22.957
2006	28275	3596.985	1632.939	1964.046	6.946	54.603	353.323	45.048	20.405	24.643
2007	28126	3560.798	1484.698	2076.099	7.381	58.304	347.744	44.137	18.356	25.781
2008	27239	3417.001	1308.389	2108.612	7.741	61.709	332.889	41.881	15.990	25.891
2009	27195	3394.390	1192.955	2201.434	8.095	64.855	328.298	41.113	14.402	26.711
2010	27053	3340.137	1081.798	2258.340	8.348	67.612	322.502	39.965	12.896	27.068
2011	27118	3285.435	977.059	2308.376	8.512	70.261	319.962	38.922	11.528	27.394
2012	27235	3259.209	883.157	2376.052	8.724	72.903	317.728	38.193	10.303	27.890
2013	28108	3274.703	812.683	2462.020	8.759	75.183	324.033	37.937	9.369	28.568
2014	29023	3298.083	746.937	2551.146	8.790	77.352	330.534	37.762	8.507	29.255
2015	29822	3244.406	679.375	2565.031	8.601	79.060	381.629	41.789	8.694	33.096
2016	30808	3314.836	634.907	2679.929	8.699	80.847	390.349	42.297	8.045	34.253
2017	31746	3333.314	585.407	2747.907	8.656	82.438	398.344	42.144	7.346	34.799
2018	29685	2925.242	476.536	2448.706	8.249	83.710	368.840	36.642	5.921	30.722
2019	29965	2864.628	431.788	2432.840	8.119	84.927	368.491	35.534	5.310	30.224
2020	29991	2730.366	383.661	2346.705	7.825	85.948	420.406	38.675	5.378	33.297
2021	30533	2647.911	344.709	2303.202	7.543	86.982	424.727	37.244	4.795	32.449
2022	30772	2586.165	310.625	2275.540	7.395	87.989	424.508	36.097	4.285	31.812
2023	31008	2517.960	280.268	2237.692	7.217	88.869	424.015	34.860	3.833	31.028
2024	31197	2454.161	254.984	2199.176	7.049	89.610	422.798	33.695	3.456	30.240
2025	30823	2275.364	223.456	2051.908	6.657	90.179	485.061	36.363	3.516	32.846
2026	31298	2183.166	200.937	1982.229	6.333	90.796	490.146	34.747	3.147	31.600
2027	31206	2112.345	183.352	1928.992	6.182	91.320	486.115	33.467	2.856	30.611
2028	31088	2046.677	167.342	1879.335	6.045	91.824	481.471	32.263	2.592	29.671
2029	30962	1977.671	152.352	1825.319	5.895	92.296	476.442	30.997	2.344	28.653
2030	30064	1744.457	130.068	1614.388	5.370	92.544	551.112	32.668	2.384	30.284
2031	29736	1653.738	117.620	1536.117	5.166	92.888	543.222	30.889	2.149	28.740
2032	29513	1603.120	107.968	1495.153	5.066	93.265	536.852	29.841	1.964	27.877
2033	29280	1548.245	99.284	1448.961	4.949	93.587	529.955	28.700	1.797	26.903
2034	29022	1511.985	91.970	1420.015	4.893	93.917	522.323	27.893	1.655	26.237
2035	27589	1239.866	74.421	1165.445	4.224	93.998	612.159	28.290	1.651	26.639
2036	26437	1182.522	67.673	1114.849	4.217	94.277	585.904	26.975	1.500	25.475
2037	26004	1134.483	63.425	1071.059	4.119	94.409	575.180	25.851	1.403	24.448
2038	25568	1093.537	58.735	1034.801	4.047	94.629	563.879	24.866	1.295	23.570
2039	25135	1047.905	53.788	994.117	3.955	94.867	552.063	23.751	1.181	22.569

Results for PHIM for Run 1 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 1, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2265945	1015606.587	681629.520	333977.1	14.739	32.884	650.475	293.996	195.672	98.324

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.391	57.798	0.170	0.303	520.249	292.085	291.197	0.888
1993	35914	20095.670	19977.508	118.161	0.329	0.588	540.648	302.526	300.740	1.786
1994	35077	19524.095	19343.487	180.608	0.515	0.925	518.166	288.435	285.750	2.685
1995	34674	19116.002	18857.505	258.498	0.746	1.352	502.376	276.995	273.220	3.775
1996	34590	18975.021	18622.056	352.965	1.020	1.860	493.330	270.675	265.594	5.082
1997	35279	19169.025	18700.448	468.576	1.328	2.444	494.916	268.986	262.341	6.645
1998	35693	19228.937	18625.764	603.173	1.690	3.137	492.425	265.388	256.967	8.421
1999	38542	20589.820	19797.617	792.203	2.055	3.848	523.284	279.689	268.791	10.898
2000	36316	19196.417	18300.521	895.897	2.467	4.667	485.767	256.946	244.788	12.158
2001	36324	19012.731	17927.911	1084.820	2.987	5.706	479.449	251.174	236.635	14.539
2002	36037	18699.357	17430.313	1269.044	3.522	6.787	470.226	244.265	227.439	16.827
2003	36273	18663.550	17182.529	1481.020	4.083	7.935	468.262	241.262	221.819	19.444
2004	34689	17679.164	16037.302	1641.862	4.733	9.287	442.880	226.076	204.749	21.327
2005	36925	18692.832	16708.541	1984.291	5.374	10.615	465.823	236.265	210.782	25.483
2006	34459	17308.564	15200.989	2107.575	6.116	12.176	430.601	216.769	189.951	26.818
2007	35457	17683.181	15243.325	2439.856	6.881	13.798	438.376	219.189	188.464	30.726
2008	38411	19006.374	16094.007	2912.367	7.582	15.323	469.416	232.952	196.683	36.269
2009	37082	18205.573	15072.128	3133.444	8.450	17.211	447.660	220.505	181.954	38.551
2010	37439	18237.758	14801.660	3436.099	9.178	18.841	446.316	218.215	176.453	41.762
2011	38328	18487.916	14607.861	3880.055	10.123	20.987	452.222	219.022	172.354	46.668
2012	38769	18491.158	14237.135	4254.023	10.973	23.006	452.285	216.689	166.094	50.596
2013	40598	19143.452	14372.760	4770.692	11.751	24.921	468.021	221.775	165.694	56.081
2014	40679	18992.005	13859.946	5132.059	12.616	27.022	463.278	217.451	157.847	59.604
2015	42696	19728.885	14070.177	5658.707	13.254	28.682	546.367	254.116	180.053	74.064
2016	43541	19876.724	13770.148	6106.576	14.025	30.722	551.683	253.628	174.475	79.153
2017	44594	20119.790	13518.773	6601.017	14.803	32.809	559.559	254.381	169.632	84.749
2018	46012	20535.123	13373.568	7161.555	15.565	34.875	571.697	257.229	166.166	91.063
2019	47568	21009.029	13258.247	7750.782	16.294	36.893	584.964	260.605	163.041	97.564
2020	49093	21428.512	13110.842	8317.670	16.943	38.816	688.177	303.533	183.786	119.747
2021	49187	21266.697	12512.399	8754.298	17.798	41.164	684.215	299.127	174.053	125.074
2022	50712	21663.568	12267.342	9396.226	18.529	43.373	699.579	302.378	169.231	133.147
2023	52264	22084.131	12028.413	10055.72	19.240	45.534	714.690	305.748	164.483	141.265
2024	53766	22418.456	11767.590	10650.87	19.810	47.509	728.653	307.804	159.478	148.326
2025	54886	22614.834	11445.306	11169.53	20.350	49.390	863.734	361.411	180.113	181.298
2026	55454	22571.522	10944.771	11626.75	20.966	51.511	868.434	359.241	171.399	187.842
2027	56461	22774.416	10552.586	12221.83	21.646	53.665	879.544	360.827	164.386	196.440
2028	57429	22915.561	10112.799	12802.76	22.293	55.869	889.432	361.228	156.623	204.606
2029	58382	22992.027	9666.638	13325.39	22.824	57.957	898.380	360.371	148.750	211.621
2030	58693	22895.360	9218.809	13676.55	23.302	59.735	1075.94	428.760	168.995	259.765
2031	59126	22715.871	8736.538	13979.33	23.643	61.540	1080.12	424.293	159.599	264.694
2032	59875	22759.207	8301.174	14458.03	24.147	63.526	1089.16	423.652	151.002	272.650
2033	60601	22786.258	7890.212	14896.05	24.581	65.373	1096.85	422.387	142.809	279.578
2034	61269	22806.106	7474.021	15332.09	25.024	67.228	1102.69	420.721	134.514	286.207
2035	60395	22262.998	7013.633	15249.37	25.249	68.496	1340.08	507.973	155.624	352.349
2036	58319	21140.051	6177.628	14962.42	25.656	70.778	1292.49	482.234	136.913	345.321
2037	58513	21011.845	5738.051	15273.79	26.103	72.691	1294.24	478.783	126.920	351.862
2038	58684	20787.483	5302.641	15484.84	26.387	74.491	1294.21	472.681	116.944	355.736
2039	58845	20709.267	4921.623	15787.64	26.829	76.235	1292.47	469.372	108.098	361.275

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Control File Details for Run: 2

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S4A
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_4
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 2, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 2, Scenario: Ecig

Variable Parameter

Value

- 1. Country
 - 2. Sex
 - 3. Assumption Set
- Note:

US (United States)
 F (Females)
 S4A
 Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.000940	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.000867	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000069	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000034	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000017	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.001438	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.001358	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000032	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000016	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000008	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.001588	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.001223	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.000584	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000286	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000045	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.001359	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.001232	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.000593	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000137	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000063	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.000883	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.001060	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.000513	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000252	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000125	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000442	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.000854	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000011	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000035	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000017	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 2, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 2, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			F (Females)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

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0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	51349	56.03					
5	All Ages	CC	10674	11.65	0	0.00			
5	All Ages	Ecig	11260	12.29					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18356	20.03			14.22	1104	6.01
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2616	82.37					
5	18-19	CC	240	7.56	0	0.00			
5	18-19	Ecig	257	8.09					
5	18-19	Dual	0	0.00					
5	18-19	Former	63	1.98			1.16	40	63.49
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	6054	72.50					
5	20-24	CC	870	10.42	0	0.00			
5	20-24	Ecig	1002	12.00					
5	20-24	Dual	0	0.00					
5	20-24	Former	424	5.08			3.32	94	22.17
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5324	60.55					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1384	15.74					
5	25-29	Dual	0	0.00					
5	25-29	Former	1023	11.63			5.94	54	5.28
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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5	30-34	Never Any	5309	52.68					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1798	17.84					
5	30-34	Dual	0	0.00					
5	30-34	Former	1598	15.86			8.17	66	4.13
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5282	50.31					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1742	16.59					
5	35-39	Dual	0	0.00					
5	35-39	Former	2065	19.67			8.75	62	3.00
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1356	14.13					
5	40-44	Dual	0	0.00					
5	40-44	Former	2091	21.78			12.09	81	3.87
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1161	13.66					
5	45-49	Dual	0	0.00					
5	45-49	Former	2006	23.61			10.93	133	6.63
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	826	12.64					
5	50-54	Dual	0	0.00					
5	50-54	Former	1855	28.38			14.92	140	7.55
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	627	11.33					
5	55-59	Dual	0	0.00					
5	55-59	Former	1501	27.12			15.84	93	6.20
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	444	8.43					
5	60-64	Dual	0	0.00					
5	60-64	Former	1455	27.64			19.22	87	5.98
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	374	6.77					
5	65-69	Dual	0	0.00					
5	65-69	Former	1470	26.61			19.34	107	7.28
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	188	3.55					
5	70-74	Dual	0	0.00					
5	70-74	Former	1496	28.21			22.32	77	5.15
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	101	2.25					
5	75-79	Dual	0	0.00					
5	75-79	Former	1309	29.19			25.87	70	5.35
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	51614	56.16					
10	All Ages	CC	4619	5.03	0	0.00			
10	All Ages	Ecig	14660	15.95					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21015	22.87			15.24	1645	7.83
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5878	74.12					
10	20-24	CC	391	4.93	0	0.00			
10	20-24	Ecig	1165	14.69					
10	20-24	Dual	0	0.00					
10	20-24	Former	496	6.25			3.64	122	24.60
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5869	70.29					
10	25-29	CC	403	4.83	0	0.00			
10	25-29	Ecig	1381	16.54					
10	25-29	Dual	0	0.00					
10	25-29	Former	697	8.35			5.83	105	15.06
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5261	59.83					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1864	21.20					
10	30-34	Dual	0	0.00					
10	30-34	Former	1251	14.23			9.30	88	7.03
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5298	52.57					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2401	23.82					
10	35-39	Dual	0	0.00					
10	35-39	Former	1818	18.04			11.78	104	5.72
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5282	50.31					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2288	21.79					
10	40-44	Dual	0	0.00					
10	40-44	Former	2345	22.34			12.30	143	6.10
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1673	17.43					
10	45-49	Dual	0	0.00					
10	45-49	Former	2463	25.66			14.76	181	7.35
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1299	15.29					
10	50-54	Dual	0	0.00					
10	50-54	Former	2464	29.00			13.32	188	7.63
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	912	13.95					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2225	34.04			16.92	157	7.06
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		663	11.98					
10	60-64	Dual		0	0.00					
10	60-64	Former		1853	33.48			17.23	149	8.04
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		443	8.42					
10	65-69	Dual		0	0.00					
10	65-69	Former		1809	34.37			19.85	146	8.07
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		368	6.66					
10	70-74	Dual		0	0.00					
10	70-74	Former		1804	32.66			20.18	154	8.54
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		203	3.83					
10	75-79	Dual		0	0.00					
10	75-79	Former		1790	33.75			23.17	108	6.03
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		48334	55.81					
15	All Ages	CC		1904	2.20	0	0.00			
15	All Ages	Ecig		14630	16.89					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		21737	25.10			17.50	892	4.10
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		5707	71.97					
15	25-29	CC		178	2.24	0	0.00			
15	25-29	Ecig		1325	16.71					
15	25-29	Dual		0	0.00					
15	25-29	Former		720	9.08			6.72	66	9.17
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5816	69.65					
15	30-34	CC		151	1.81	0	0.00			
15	30-34	Ecig		1511	18.10					
15	30-34	Dual		0	0.00					
15	30-34	Former		872	10.44			9.05	66	7.57
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5247	59.67					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	1953	22.21					
15	35-39	Dual	0	0.00					
15	35-39	Former	1426	16.22			12.81	64	4.49
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5298	52.57					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2490	24.71					
15	40-44	Dual	0	0.00					
15	40-44	Former	2052	20.36			15.10	101	4.92
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5282	50.31					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2317	22.07					
15	45-49	Dual	0	0.00					
15	45-49	Former	2663	25.36			15.47	132	4.96
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1622	16.90					
15	50-54	Dual	0	0.00					
15	50-54	Former	2769	28.84			17.84	99	3.58
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1281	15.08					
15	55-59	Dual	0	0.00					
15	55-59	Former	2694	31.71			16.95	78	2.90
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	852	13.04					
15	60-64	Dual	0	0.00					
15	60-64	Former	2437	37.29			20.18	93	3.82
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	591	10.68					
15	65-69	Dual	0	0.00					
15	65-69	Former	2099	37.93			19.92	68	3.24
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	391	7.43					
15	70-74	Dual	0	0.00					
15	70-74	Former	2002	38.03			22.67	69	3.45
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	297	5.38					
15	75-79	Dual	0	0.00					
15	75-79	Former	2003	36.26			22.91	56	2.80
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	45150	55.69					
20	All Ages	CC	769	0.95	0	0.00			
20	All Ages	Ecig	12868	15.87					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22294	27.50			19.65	1065	4.78
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	5635	71.06					
20	30-34	CC	68	0.86	0	0.00			
20	30-34	Ecig	1299	16.38					
20	30-34	Dual	0	0.00					
20	30-34	Former	928	11.70			9.48	99	10.67
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5782	69.25					
20	35-39	CC	59	0.71	0	0.00			
20	35-39	Ecig	1434	17.17					
20	35-39	Dual	0	0.00					
20	35-39	Former	1075	12.87			11.75	82	7.63
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5247	59.67					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	1806	20.54					
20	40-44	Dual	0	0.00					
20	40-44	Former	1676	19.06			15.43	109	6.50
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5298	52.57					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2319	23.01					
20	45-49	Dual	0	0.00					
20	45-49	Former	2356	23.38			17.74	129	5.48
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5282	50.31					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	2100	20.00					
20	50-54	Dual	0	0.00					
20	50-54	Former	3016	28.73			18.29	163	5.40
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1433	14.93					
20	55-59	Dual	0	0.00					
20	55-59	Former	3058	31.85			20.88	103	3.37
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	1079	12.70					
20	60-64	Dual	0	0.00					
20	60-64	Former	2991	35.20			19.94	144	4.81
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	645	9.87					
20	65-69	Dual	0	0.00					
20	65-69	Former	2728	41.74			22.72	95	3.48
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	477	8.62					
20	70-74	Dual	0	0.00					
20	70-74	Former	2285	41.29			23.05	69	3.02
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	276	5.24					
20	75-79	Dual	0	0.00					
20	75-79	Former	2181	41.43			25.56	72	3.30
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	42407	55.93					
25	All Ages	CC	340	0.45	0	0.00			
25	All Ages	Ecig	10689	14.10					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	22381	29.52			21.79	854	3.82
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	5624	70.92					
25	35-39	CC	20	0.25	0	0.00			
25	35-39	Ecig	1103	13.91					
25	35-39	Dual	0	0.00					
25	35-39	Former	1183	14.92			11.82	89	7.52
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5782	69.25					
25	40-44	CC	33	0.40	0	0.00			
25	40-44	Ecig	1261	15.10					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1274	15.26			14.43	88	6.91
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5247	59.67					
25	45-49	CC	32	0.36	0	0.00			
25	45-49	Ecig	1591	18.09					
25	45-49	Dual	0	0.00					
25	45-49	Former	1923	21.87			18.07	92	4.78
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5298	52.57					
25	50-54	CC	45	0.45	0	0.00			
25	50-54	Ecig	2052	20.36					
25	50-54	Dual	0	0.00					
25	50-54	Former	2683	26.62			20.19	149	5.55
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5282	50.31					
25	55-59	CC	37	0.35	0	0.00			
25	55-59	Ecig	1772	16.88					
25	55-59	Dual	0	0.00					
25	55-59	Former	3408	32.46			20.85	140	4.11
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	42	0.44	0	0.00			
25	60-64	Ecig	1154	12.02					
25	60-64	Dual	0	0.00					
25	60-64	Former	3386	35.27			23.56	144	4.25
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	41	0.48	0	0.00			
25	65-69	Ecig	844	9.93					
25	65-69	Dual	0	0.00					
25	65-69	Former	3256	38.32			23.12	70	2.15
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	31	0.47	0	0.00			
25	70-74	Ecig	527	8.06					
25	70-74	Dual	0	0.00					
25	70-74	Former	2862	43.79			26.54	42	1.47
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	59	1.07	0	0.00			
25	75-79	Ecig	385	6.96					
25	75-79	Dual	0	0.00					
25	75-79	Former	2406	43.48			26.76	40	1.66
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	39723	56.52					
30	All Ages	CC	115	0.16	0	0.00			
30	All Ages	Ecig	8624	12.27					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	21821	31.05			24.15	718	3.29
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	5624	70.92					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	946	11.93					
30	40-44	Dual	0	0.00					
30	40-44	Former	1354	17.07			14.96	57	4.21
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5782	69.25					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	1108	13.27					
30	45-49	Dual	0	0.00					
30	45-49	Former	1447	17.33			17.37	59	4.08
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5247	59.67					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1363	15.50					
30	50-54	Dual	0	0.00					
30	50-54	Former	2174	24.72			20.62	120	5.52
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5298	52.57					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	1701	16.88					
30	55-59	Dual	0	0.00					
30	55-59	Former	3065	30.41			22.32	140	4.57
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5282	50.31					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	1427	13.59					
30	60-64	Dual	0	0.00					
30	60-64	Former	3775	35.96			23.52	153	4.05
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	917	9.55					
30	65-69	Dual	0	0.00					
30	65-69	Former	3647	37.99			26.68	75	2.06
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	727	8.56					
30	70-74	Dual	0	0.00					
30	70-74	Former	3392	39.92			27.06	66	1.95
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	435	6.66					
30	75-79	Dual	0	0.00					
30	75-79	Former	2967	45.39			30.49	48	1.62
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	36607	57.43					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	6760	10.60					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	20333	31.90			26.25	568	2.79
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	5624	70.92					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	808	10.19					
35	45-49	Dual	0	0.00					
35	45-49	Former	1497	18.88			18.26	53	3.54
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5782	69.25					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	938	11.23					
35	50-54	Dual	0	0.00					
35	50-54	Former	1627	19.49			20.10	81	4.98
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5247	59.67					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	1127	12.82					
35	55-59	Dual	0	0.00					
35	55-59	Former	2415	27.47			23.26	94	3.89
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5298	52.57					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	1372	13.61					
35	60-64	Dual	0	0.00					
35	60-64	Former	3401	33.75			24.81	139	4.09
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5282	50.31					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	1138	10.84					
35	65-69	Dual	0	0.00					
35	65-69	Former	4072	38.78			26.62	83	2.04
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	789	8.22					
35	70-74	Dual	0	0.00					
35	70-74	Former	3782	39.40			30.61	65	1.72
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	588	6.92					
35	75-79	Dual	0	0.00					
35	75-79	Former	3539	41.65			30.81	53	1.50
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	32251	58.37					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	4962	8.98					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	18023	32.62			28.36	483	2.68
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		5624	70.92					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		690	8.70					
40	50-54	Dual		0	0.00					
40	50-54	Former		1616	20.38			21.68	59	3.65
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		5782	69.25					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		760	9.10					
40	55-59	Dual		0	0.00					
40	55-59	Former		1808	21.65			22.79	67	3.71
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5247	59.67					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		867	9.86					
40	60-64	Dual		0	0.00					
40	60-64	Former		2676	30.43			25.67	123	4.60
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		5298	52.57					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		1076	10.68					
40	65-69	Dual		0	0.00					
40	65-69	Former		3701	36.72			27.59	73	1.97
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		5282	50.31					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		957	9.12					
40	70-74	Dual		0	0.00					
40	70-74	Former		4256	40.54			30.33	85	2.00
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

40	75-79	Ecig	612	6.38					
40	75-79	Dual	0	0.00					
40	75-79	Former	3966	41.31			34.05	76	1.92
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	27233	59.66					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	3529	7.73					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	14883	32.60			30.11	326	2.19
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

45	55-59	Never Any	5624	70.92					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	566	7.14					
45	55-59	Dual	0	0.00					
45	55-59	Former	1740	21.94			24.92	47	2.70
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5782	69.25					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	608	7.28					
45	60-64	Dual	0	0.00					
45	60-64	Former	1960	23.47			25.78	69	3.52
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5247	59.67					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	678	7.71					
45	65-69	Dual	0	0.00					
45	65-69	Former	2865	32.58			28.81	55	1.92
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5298	52.57					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	930	9.23					
45	70-74	Dual	0	0.00					
45	70-74	Former	3849	38.19			31.40	76	1.97
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5282	50.31					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	747	7.11					
45	75-79	Dual	0	0.00					
45	75-79	Former	4469	42.57			33.74	79	1.77
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	21951	62.45					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	2221	6.32					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	10975	31.22			31.94	199	1.81
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	5624	70.92					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	442	5.57					
50	60-64	Dual	0	0.00					
50	60-64	Former	1864	23.51			28.06	47	2.52
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5782	69.25					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	490	5.87					
50	65-69	Dual	0	0.00					
50	65-69	Former	2078	24.89			29.18	26	1.25
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5247	59.67					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	569	6.47					
50	70-74	Dual	0	0.00					
50	70-74	Former	2974	33.82			32.62	56	1.88
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5298	52.57					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	720	7.14					
50	75-79	Dual	0	0.00					
50	75-79	Former	4059	40.28			34.63	70	1.72

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	1943731.786	1002518	11.038	34.027	2493.45	808.881	533.644	275.237

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.020	168.466	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198532	60494.150	60022.448	471.701	0.238	0.780	2829.84	862.271	855.548	6.724
1993	202512	62694.848	61776.725	918.122	0.453	1.464	2845.85	881.034	868.132	12.902
1994	200658	63202.598	61751.766	1450.832	0.723	2.296	2777.87	874.966	854.881	20.085
1995	201023	63766.862	61670.694	2096.168	1.043	3.287	2739.80	869.097	840.528	28.569
1996	201180	64591.163	61718.431	2872.732	1.428	4.448	2706.36	868.908	830.263	38.645
1997	198639	64686.912	61088.568	3598.344	1.811	5.563	2635.18	858.147	810.411	47.736
1998	197573	65295.961	60857.205	4438.756	2.247	6.798	2584.18	854.046	795.989	58.057
1999	211329	67327.521	61592.993	5734.528	2.714	8.517	2726.91	868.771	794.774	73.996
2000	208496	67596.897	60916.988	6679.909	3.204	9.882	2656.96	861.419	776.294	85.125
2001	203606	67008.811	59328.209	7680.602	3.772	11.462	2565.88	844.458	747.666	96.792
2002	200828	67067.744	58272.078	8795.666	4.380	13.115	2506.09	836.925	727.165	109.759
2003	196352	66756.217	56952.864	9803.352	4.993	14.685	2427.31	825.244	704.055	121.190
2004	188160	65058.725	54403.266	10655.46	5.663	16.378	2302.83	796.234	665.825	130.409
2005	186416	65214.724	53410.906	11803.82	6.332	18.100	2256.27	789.321	646.454	142.866
2006	180088	63771.146	51095.916	12675.23	7.038	19.876	2160.67	765.117	613.041	152.076
2007	175644	63110.718	49540.632	13570.09	7.726	21.502	2086.36	749.650	588.460	161.190
2008	177570	63718.624	48854.286	14864.34	8.371	23.328	2086.39	748.674	574.022	174.651
2009	172806	62794.698	47095.525	15699.17	9.085	25.001	2007.57	729.515	547.130	182.385
2010	170489	61917.074	45341.226	16575.85	9.723	26.771	1957.97	711.083	520.718	190.364
2011	170305	61680.114	43928.656	17751.46	10.423	28.780	1937.46	701.700	499.752	201.948
2012	171421	62023.127	42966.666	19056.46	11.117	30.725	1930.22	698.386	483.809	214.578
2013	172699	62037.765	41806.597	20231.17	11.715	32.611	1923.75	691.059	465.697	225.362
2014	174169	61921.017	40400.556	21520.46	12.356	34.755	1918.85	682.195	445.100	237.095
2015	177354	61856.204	39240.796	22615.41	12.752	36.561	2184.51	761.899	483.339	278.560
2016	176853	60464.119	36967.512	23496.61	13.286	38.860	2157.59	737.655	450.999	286.656
2017	179309	60243.839	35561.611	24682.23	13.765	40.971	2166.86	728.017	429.744	298.272
2018	177157	60713.327	34955.895	25757.43	14.539	42.425	2120.51	726.721	418.412	308.309
2019	179227	61148.172	34015.176	27133.00	15.139	44.373	2124.53	724.841	403.211	321.630
2020	180467	61149.317	33065.956	28083.36	15.562	45.926	2424.25	821.432	444.182	377.250
2021	178116	58727.786	30240.113	28487.67	15.994	48.508	2375.42	783.216	403.293	379.922
2022	179408	58848.802	29196.893	29651.91	16.528	50.387	2374.52	778.881	386.429	392.451
2023	180640	58816.149	28142.260	30673.89	16.981	52.152	2372.26	772.407	369.580	402.827
2024	181610	58955.232	27096.516	31858.72	17.542	54.039	2366.77	768.316	353.127	415.189
2025	180418	58297.744	25947.347	32350.40	17.931	55.492	2713.69	876.861	390.276	486.585
2026	180313	56469.971	23899.636	32570.33	18.063	57.677	2701.83	846.150	358.114	488.036
2027	179619	56209.427	22741.884	33467.54	18.633	59.541	2680.68	838.883	339.405	499.478
2028	178762	55733.105	21528.661	34204.44	19.134	61.372	2656.74	828.298	319.956	508.342
2029	177808	55145.838	20299.249	34846.59	19.598	63.190	2630.89	815.951	300.352	515.598
2030	173587	53615.097	19068.184	34546.91	19.902	64.435	3040.33	939.056	333.975	605.081
2031	174985	52046.561	17832.705	34213.86	19.552	65.737	3060.73	910.364	311.918	598.446
2032	173400	51582.636	16828.771	34753.87	20.043	67.375	3027.10	900.496	293.786	606.710
2033	171756	50839.758	15810.225	35029.53	20.395	68.902	2991.14	885.375	275.335	610.039
2034	169973	50215.451	14820.086	35395.37	20.824	70.487	2951.96	872.104	257.384	614.720
2035	162644	47773.075	13728.392	34044.68	20.932	71.263	3459.14	1016.05	291.978	724.068
2036	156254	43298.709	11730.985	31567.72	20.203	72.907	3328.25	922.274	249.873	672.401
2037	153593	42241.563	10751.056	31490.51	20.503	74.549	3274.10	900.450	229.177	671.274
2038	150947	41356.353	9959.468	31396.88	20.800	75.918	3217.50	881.531	212.291	669.240
2039	148373	40161.050	9074.367	31086.68	20.952	77.405	3159.42	855.178	193.227	661.951

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1142130.293	438334.9	18.831	27.735	639.078	433.910	313.567	120.343

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.426	93.981	0.207	0.287	647.450	467.274	465.934	1.340
1993	46291	33491.183	33305.335	185.848	0.401	0.555	650.515	470.643	468.031	2.612
1994	47017	34074.347	33772.922	301.425	0.641	0.885	650.895	471.719	467.546	4.173
1995	47840	34694.454	34239.730	454.724	0.951	1.311	652.025	472.861	466.663	6.198
1996	48244	35027.269	34397.685	629.584	1.305	1.797	648.999	471.202	462.732	8.469
1997	49035	35590.763	34752.661	838.101	1.709	2.355	650.506	472.153	461.034	11.118
1998	49686	36100.785	35016.150	1084.635	2.183	3.004	649.874	472.184	457.998	14.187
1999	48883	35451.030	34143.590	1307.439	2.675	3.688	630.769	457.448	440.577	16.871
2000	50331	36447.986	34810.911	1637.075	3.253	4.492	641.392	464.474	443.612	20.862
2001	50389	36411.326	34439.786	1971.541	3.913	5.415	635.012	458.863	434.017	24.846
2002	51445	37078.545	34691.445	2387.100	4.640	6.438	641.972	462.696	432.908	29.788
2003	51408	36999.876	34215.730	2784.146	5.416	7.525	635.509	457.395	422.977	34.418
2004	51399	36861.555	33637.041	3224.514	6.273	8.748	629.057	451.138	411.674	39.464
2005	51421	36689.529	32999.084	3690.444	7.177	10.059	622.370	444.069	399.402	44.667
2006	51355	36504.774	32324.520	4180.254	8.140	11.451	616.150	437.979	387.825	50.154
2007	51839	36663.202	31900.036	4763.166	9.188	12.992	615.761	435.498	378.919	56.578
2008	50976	35898.803	30696.857	5201.946	10.205	14.491	598.952	421.800	360.678	61.121
2009	51193	35934.525	30106.260	5828.266	11.385	16.219	594.733	417.468	349.758	67.710
2010	50853	35502.829	29160.838	6341.991	12.471	17.863	584.018	407.730	334.896	72.834
2011	50509	35136.342	28197.124	6939.218	13.739	19.749	574.613	399.726	320.783	78.944
2012	51245	35450.201	27767.189	7683.012	14.993	21.673	577.023	399.173	312.661	86.511
2013	51069	35123.224	26787.820	8335.404	16.322	23.732	568.874	391.249	298.398	92.851
2014	51251	35079.370	26045.614	9033.756	17.626	25.752	564.641	386.476	286.949	99.527
2015	50443	34324.171	24834.525	9489.646	18.813	27.647	621.319	422.780	305.893	116.886
2016	48854	33054.753	23167.410	9887.343	20.239	29.912	596.013	403.264	282.640	120.624
2017	48325	32471.234	22010.675	10460.56	21.646	32.215	583.983	392.399	265.988	126.411
2018	50465	33657.595	21969.254	11688.34	23.161	34.727	604.052	402.871	262.965	139.906
2019	51036	33863.424	21303.344	12560.08	24.610	37.090	604.975	401.412	252.527	148.885
2020	51444	33910.830	20627.170	13283.66	25.822	39.172	691.053	455.532	277.089	178.442
2021	48037	31531.880	18398.344	13133.54	27.340	41.652	640.639	420.521	245.367	175.154
2022	48335	31560.212	17665.219	13894.99	28.747	44.027	639.727	417.708	233.804	183.904
2023	48599	31508.781	16921.358	14587.42	30.016	46.296	638.227	413.791	222.221	191.570
2024	48784	31517.293	16175.218	15342.08	31.449	48.678	635.757	410.740	210.799	199.941
2025	48477	31175.389	15373.956	15801.43	32.596	50.686	729.141	468.912	231.241	237.671
2026	45324	29044.598	13672.111	15372.49	33.917	52.927	679.138	435.206	204.864	230.342
2027	45107	28825.765	12902.766	15923.00	35.300	55.239	673.191	430.203	192.564	237.639
2028	44842	28513.846	12116.822	16397.02	36.567	57.505	666.430	423.769	180.079	243.690
2029	44539	28148.109	11326.270	16821.84	37.769	59.762	659.013	416.486	167.586	248.900
2030	43393	27314.475	10534.466	16780.01	38.670	61.433	760.018	478.407	184.509	293.898
2031	40748	25423.102	9446.924	15976.18	39.208	62.841	712.731	444.684	165.239	279.445
2032	40325	25085.902	8821.544	16264.36	40.333	64.835	703.969	437.933	154.001	283.932
2033	39882	24645.067	8208.705	16436.36	41.213	66.692	694.543	429.194	142.955	286.239
2034	39404	24239.126	7618.398	16620.73	42.180	68.570	684.347	420.967	132.311	288.656
2035	37454	22944.147	6960.371	15983.78	42.675	69.664	796.588	487.980	148.034	339.946
2036	32988	19950.581	5705.751	14244.83	43.181	71.401	702.663	424.953	121.534	303.419
2037	32403	19415.334	5186.419	14228.91	43.912	73.287	690.731	413.871	110.557	303.313
2038	31820	18939.317	4772.223	14167.09	44.523	74.803	678.257	403.701	101.722	301.979
2039	31251	18379.752	4320.412	14059.34	44.988	76.494	665.457	391.373	91.998	299.375

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	199065.020	199768.8	6.162	50.088	890.124	109.498	54.653	54.846

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.074	90.405	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.642	250.602	0.267	1.979	1335.88	180.485	176.913	3.572
1993	93679	12730.613	12252.260	478.352	0.511	3.757	1316.45	178.900	172.178	6.722
1994	90832	12495.323	11750.248	745.075	0.820	5.963	1257.46	172.983	162.668	10.315
1995	89698	12365.590	11312.546	1053.044	1.174	8.516	1222.52	168.534	154.182	14.352
1996	88286	12290.551	10854.577	1435.975	1.627	11.684	1187.66	165.338	146.020	19.317
1997	84777	11719.531	9989.849	1729.682	2.040	14.759	1124.67	155.473	132.527	22.946
1998	82517	11416.794	9345.968	2070.827	2.510	18.138	1079.29	149.327	122.242	27.086
1999	93939	13028.038	10176.996	2851.042	3.035	21.884	1212.16	168.109	131.320	36.789
2000	90039	12426.299	9242.982	3183.317	3.535	25.618	1147.41	158.354	117.788	40.567
2001	86119	11939.281	8351.185	3588.096	4.166	30.053	1085.29	150.461	105.243	45.218
2002	83014	11528.794	7546.962	3981.832	4.797	34.538	1035.91	143.865	94.177	49.688
2003	79302	11048.407	6768.681	4279.726	5.397	38.736	980.336	136.581	83.675	52.906
2004	73861	10375.132	5894.263	4480.869	6.067	43.189	903.963	126.978	72.138	54.840
2005	71649	10051.029	5296.496	4754.534	6.636	47.304	867.197	121.652	64.106	57.546
2006	67551	9542.523	4613.030	4929.494	7.297	51.658	810.467	114.490	55.346	59.143
2007	63503	8936.533	3971.115	4965.419	7.819	55.563	754.310	106.151	47.170	58.981
2008	63171	8944.180	3644.160	5300.020	8.390	59.257	742.239	105.091	42.818	62.274
2009	59747	8390.033	3154.550	5235.483	8.763	62.401	694.108	97.471	36.648	60.823
2010	58008	8157.570	2814.675	5342.894	9.211	65.496	666.189	93.685	32.325	61.360
2011	57368	8035.356	2522.845	5512.511	9.609	68.603	652.644	91.414	28.701	62.713
2012	57411	7970.766	2266.645	5704.121	9.936	71.563	646.453	89.752	25.523	64.229
2013	57067	7743.216	2022.172	5721.044	10.025	73.885	635.688	86.254	22.526	63.729
2014	57538	7774.935	1843.098	5931.837	10.309	76.294	633.906	85.658	20.306	65.352
2015	58395	7722.535	1698.780	6023.755	10.316	78.002	719.266	95.120	20.924	74.196
2016	58658	7600.353	1519.234	6081.120	10.367	80.011	715.621	92.723	18.534	74.189
2017	59004	7470.266	1364.640	6105.626	10.348	81.732	713.034	90.274	16.491	73.783
2018	56077	6907.050	1151.641	5755.409	10.263	83.327	671.224	82.675	13.785	68.891
2019	55886	6732.046	1032.243	5699.803	10.199	84.667	662.462	79.801	12.236	67.565
2020	55313	6429.836	921.538	5508.298	9.958	85.668	743.037	86.373	12.379	73.994
2021	56292	6562.016	846.984	5715.032	10.152	87.093	750.730	87.513	11.296	76.218
2022	55827	6352.366	758.181	5594.185	10.021	88.065	738.885	84.075	10.035	74.041
2023	55338	6134.123	683.210	5450.913	9.850	88.862	726.728	80.557	8.972	71.584
2024	54770	5922.193	613.421	5308.772	9.693	89.642	713.771	77.179	7.994	69.185
2025	53295	5504.188	544.108	4960.080	9.307	90.115	801.612	82.789	8.184	74.605
2026	55278	5641.075	519.436	5121.640	9.265	90.792	828.283	84.526	7.783	76.743
2027	54199	5426.216	471.128	4955.087	9.142	91.318	808.875	80.982	7.031	73.951
2028	53090	5197.830	425.273	4772.557	8.990	91.818	789.020	77.249	6.320	70.929
2029	51974	4973.547	385.564	4587.982	8.827	92.248	769.023	73.590	5.705	67.885
2030	49479	4450.618	334.847	4115.771	8.318	92.476	866.605	77.952	5.865	72.087
2031	51987	4555.052	327.971	4227.081	8.131	92.800	909.317	79.674	5.737	73.937
2032	50677	4349.999	298.624	4051.375	7.994	93.135	884.689	75.939	5.213	70.726
2033	49380	4147.948	275.069	3872.879	7.843	93.369	859.955	72.237	4.790	67.446
2034	48076	3966.133	252.695	3713.438	7.724	93.629	834.943	68.881	4.389	64.492
2035	44518	3289.064	208.132	3080.933	6.921	93.672	946.825	69.952	4.427	65.526
2036	46347	3313.192	199.369	3113.823	6.718	93.983	987.211	70.572	4.247	66.325
2037	44841	3117.951	180.163	2937.789	6.552	94.222	955.859	66.464	3.840	62.624
2038	43378	2949.775	165.572	2784.203	6.418	94.387	924.621	62.876	3.529	59.347
2039	41973	2766.312	151.288	2615.024	6.230	94.531	893.753	58.905	3.221	55.684

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	51276.740	53623.01	3.966	51.118	371.243	28.800	14.078	14.722

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.224	76.901	0.236	2.390	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.068	145.612	0.444	4.513	460.480	45.344	43.297	2.046
1994	33005	3277.266	3045.062	232.203	0.704	7.085	456.915	45.370	42.155	3.215
1995	33730	3309.378	2976.634	332.744	0.986	10.055	459.716	45.104	40.569	4.535
1996	33750	3312.987	2863.107	449.880	1.333	13.579	454.019	44.568	38.516	6.052
1997	33699	3267.066	2703.720	563.346	1.672	17.243	447.056	43.341	35.868	7.473
1998	33274	3178.725	2507.113	671.612	2.018	21.128	435.211	41.577	32.792	8.784
1999	33891	3120.351	2338.507	781.844	2.307	25.056	437.317	40.264	30.175	10.089
2000	33827	3142.808	2228.360	914.449	2.703	29.097	431.074	40.050	28.397	11.653
2001	32506	2961.588	1979.646	981.943	3.021	33.156	409.647	37.323	24.948	12.375
2002	32078	2940.627	1836.727	1103.900	3.441	37.540	400.295	36.695	22.920	13.775
2003	30568	2819.545	1644.159	1175.386	3.845	41.687	377.883	34.855	20.325	14.530
2004	29388	2730.466	1478.967	1251.499	4.259	45.835	359.671	33.417	18.101	15.317
2005	27954	2670.510	1341.942	1328.568	4.753	49.750	338.339	32.322	16.242	16.080
2006	27201	2623.285	1220.432	1402.853	5.157	53.477	326.354	31.474	14.643	16.831
2007	26302	2536.599	1088.476	1448.123	5.506	57.089	312.424	30.131	12.929	17.201
2008	25998	2469.443	979.556	1489.888	5.731	60.333	305.468	29.015	11.509	17.506
2009	25040	2386.945	872.668	1514.277	6.047	63.440	290.901	27.730	10.138	17.592
2010	24840	2329.274	784.760	1544.514	6.218	66.309	285.273	26.750	9.013	17.738
2011	24792	2286.581	705.014	1581.567	6.379	69.167	282.045	26.013	8.021	17.993
2012	24500	2243.311	632.683	1610.628	6.574	71.797	275.872	25.260	7.124	18.136
2013	24451	2176.503	561.593	1614.911	6.605	74.197	272.368	24.245	6.256	17.989
2014	25296	2211.619	523.096	1688.523	6.675	76.348	278.691	24.366	5.763	18.603
2015	26316	2237.016	490.847	1746.169	6.635	78.058	324.141	27.554	6.046	21.508
2016	26735	2229.057	450.070	1778.987	6.654	79.809	326.164	27.194	5.491	21.703
2017	27616	2221.649	413.790	1807.860	6.546	81.375	333.726	26.848	5.000	21.847
2018	25256	1939.420	335.085	1604.335	6.352	82.722	302.304	23.214	4.011	19.203
2019	25429	1904.400	302.478	1601.922	6.300	84.117	301.434	22.574	3.586	18.989
2020	25379	1806.054	268.084	1537.970	6.060	85.156	340.922	24.261	3.601	20.660
2021	25448	1748.172	239.493	1508.679	5.928	86.300	339.386	23.314	3.194	20.120
2022	25539	1701.148	216.040	1485.107	5.815	87.300	338.015	22.515	2.859	19.656
2023	25620	1652.087	195.906	1456.180	5.684	88.142	336.461	21.696	2.573	19.123
2024	25659	1597.127	176.067	1421.060	5.538	88.976	334.391	20.814	2.295	18.520
2025	25260	1467.622	153.787	1313.836	5.201	89.521	379.931	22.075	2.313	19.762
2026	25480	1390.505	137.073	1253.432	4.919	90.142	381.790	20.835	2.054	18.782
2027	25264	1342.095	124.177	1217.918	4.821	90.748	377.042	20.030	1.853	18.177
2028	25022	1289.536	112.517	1177.019	4.704	91.275	371.870	19.165	1.672	17.493
2029	24767	1242.216	102.241	1139.975	4.603	91.770	366.459	18.380	1.513	16.867
2030	23959	1096.803	86.831	1009.972	4.215	92.083	419.641	19.210	1.521	17.689
2031	23963	1019.991	76.995	942.995	3.935	92.451	419.142	17.841	1.347	16.494
2032	23615	977.406	69.992	907.414	3.842	92.839	412.259	17.063	1.222	15.841
2033	23259	937.450	64.543	872.907	3.753	93.115	405.051	16.326	1.124	15.202
2034	22879	900.763	59.253	841.510	3.678	93.422	397.339	15.644	1.029	14.615
2035	21733	745.023	48.187	696.836	3.206	93.532	462.224	15.845	1.025	14.820
2036	20904	680.360	41.576	638.783	3.056	93.889	445.263	14.492	0.886	13.606
2037	20397	644.109	37.855	606.254	2.972	94.123	434.791	13.730	0.807	12.923
2038	19890	612.448	34.843	577.605	2.904	94.311	423.966	13.055	0.743	12.312
2039	19392	577.529	31.923	545.606	2.814	94.472	412.930	12.298	0.680	11.618

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	551259.733	310791.5	14.389	36.053	593.003	236.673	151.346	85.327

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.157	50.218	0.187	0.424	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.061	108.310	0.364	0.818	418.406	186.148	184.626	1.522
1994	29804	13355.662	13183.533	172.128	0.578	1.289	412.601	184.893	182.511	2.383
1995	29755	13397.439	13141.784	255.656	0.859	1.908	405.540	182.598	179.113	3.484
1996	30900	13960.356	13603.063	357.293	1.156	2.559	415.680	187.801	182.994	4.806
1997	31128	14109.552	13642.338	467.214	1.501	3.311	412.949	187.180	180.981	6.198
1998	32096	14599.657	13987.975	611.682	1.906	4.190	419.803	190.958	182.957	8.001
1999	34616	15728.102	14933.899	794.203	2.294	5.050	446.673	202.950	192.702	10.248
2000	34299	15579.803	14634.735	945.068	2.755	6.066	437.088	198.541	186.497	12.043
2001	34592	15696.614	14557.592	1139.022	3.293	7.256	435.935	197.812	183.458	14.354
2002	34291	15519.777	14196.943	1322.834	3.858	8.524	427.910	193.668	177.161	16.507
2003	35074	15888.389	14324.294	1564.095	4.459	9.844	433.587	196.413	177.078	19.335
2004	33512	15091.573	13392.995	1698.577	5.069	11.255	410.143	184.701	163.913	20.788
2005	35392	15803.656	13773.384	2030.271	5.737	12.847	428.364	191.278	166.705	24.573
2006	33981	15100.563	12937.934	2162.629	6.364	14.322	407.699	181.174	155.227	25.947
2007	34000	14974.384	12581.006	2393.378	7.039	15.983	403.863	177.871	149.441	28.429
2008	37425	16406.197	13533.713	2872.484	7.675	17.509	439.732	192.768	159.017	33.751
2009	36826	16083.194	12962.047	3121.147	8.475	19.406	427.825	186.846	150.586	36.260
2010	36788	15927.400	12580.953	3346.448	9.097	21.011	422.489	182.917	144.485	38.432
2011	37636	16221.836	12503.674	3718.162	9.879	22.921	428.164	184.547	142.247	42.299
2012	38265	16358.849	12300.149	4058.700	10.607	24.810	430.867	184.202	138.501	45.701
2013	40112	16994.822	12435.012	4559.811	11.368	26.831	446.821	189.311	138.518	50.793
2014	40084	16855.093	11988.748	4866.345	12.140	28.872	441.613	185.696	132.082	53.613
2015	42200	17572.483	12216.645	5355.838	12.692	30.479	519.788	216.445	150.476	65.969
2016	42606	17579.955	11830.798	5749.157	13.494	32.703	519.788	214.473	144.334	70.139
2017	44364	18080.688	11772.506	6308.182	14.219	34.889	536.117	218.496	142.265	76.231
2018	45359	18209.262	11499.914	6709.348	14.792	36.846	542.932	217.960	137.651	80.309
2019	46876	18648.302	11377.112	7271.190	15.512	38.991	555.657	221.054	134.863	86.192
2020	48331	19002.597	11249.164	7753.433	16.042	40.802	649.239	255.266	151.113	104.154
2021	48338	18885.717	10755.292	8130.425	16.820	43.051	644.660	251.867	143.437	108.430
2022	49708	19235.076	10557.452	8677.624	17.457	45.114	657.895	254.582	139.731	114.851
2023	51083	19521.158	10341.786	9179.372	17.970	47.023	670.849	256.363	135.814	120.549
2024	52397	19918.620	10131.811	9786.809	18.678	49.134	682.854	259.583	132.040	127.544
2025	53387	20150.545	9875.497	10275.05	19.246	50.991	803.004	303.086	148.538	154.548
2026	54232	20393.792	9571.017	10822.78	19.956	53.069	812.615	305.582	143.413	162.169
2027	55049	20615.351	9243.812	11371.54	20.657	55.161	821.568	307.668	137.957	169.712
2028	55809	20731.894	8874.049	11857.84	21.247	57.196	829.419	308.115	131.885	176.230
2029	56527	20781.967	8485.174	12296.79	21.754	59.170	836.392	307.495	125.549	181.946
2030	56756	20753.201	8112.040	12641.16	22.273	60.912	994.067	363.487	142.080	221.407
2031	58288	21048.417	7980.815	13067.60	22.419	62.084	1019.54	368.165	139.595	228.570
2032	58782	21169.329	7638.610	13530.72	23.018	63.917	1026.18	369.560	133.350	236.210
2033	59236	21109.293	7261.908	13847.39	23.377	65.599	1031.59	367.618	126.466	241.152
2034	59614	21109.429	6889.740	14219.69	23.853	67.362	1035.33	366.613	119.656	246.957
2035	58938	20794.840	6511.702	14283.14	24.234	68.686	1253.51	442.268	138.492	303.776
2036	56014	19354.577	5784.290	13570.29	24.227	70.114	1193.11	412.258	123.207	289.051
2037	55953	19064.169	5346.619	13717.55	24.516	71.955	1192.72	406.385	113.972	292.413
2038	55859	18854.812	4986.829	13867.98	24.827	73.551	1190.66	401.900	106.297	295.603
2039	55757	18437.457	4570.744	13866.71	24.870	75.209	1187.28	392.602	97.328	295.274

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9148416	2946250.006	1952548.682	993701.3	10.862	33.728	2499.61	808.881	533.492	275.389

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.020	168.466	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198533	60494.150	60022.673	471.476	0.237	0.779	2829.84	862.271	855.549	6.722
1993	202515	62694.848	61777.603	917.244	0.453	1.463	2845.86	881.034	868.136	12.898
1994	200665	63202.598	61753.922	1448.676	0.722	2.292	2777.91	874.966	854.892	20.074
1995	201036	63766.862	61674.834	2092.028	1.041	3.281	2739.86	869.097	840.549	28.549
1996	201202	64591.163	61725.476	2865.687	1.424	4.437	2706.47	868.908	830.298	38.610
1997	198673	64686.912	61099.489	3587.423	1.806	5.546	2635.34	858.147	810.466	47.681
1998	197623	65295.961	60873.153	4422.809	2.238	6.773	2584.42	854.046	796.070	57.976
1999	211404	67327.521	61615.499	5712.023	2.702	8.484	2727.28	868.771	794.890	73.880
2000	208596	67596.897	60947.235	6649.662	3.188	9.837	2657.45	861.419	776.450	84.970
2001	203735	67008.811	59366.802	7642.009	3.751	11.404	2566.52	844.458	747.865	96.593
2002	200990	67067.744	58320.246	8747.497	4.352	13.043	2506.90	836.925	727.414	109.511
2003	196550	66756.217	57011.729	9744.488	4.958	14.597	2428.31	825.244	704.360	120.884
2004	188394	65058.725	54472.224	10586.50	5.619	16.272	2304.02	796.234	666.184	130.050
2005	186694	65214.724	53491.902	11722.82	6.279	17.976	2257.67	789.321	646.874	142.447
2006	180406	63771.146	51187.710	12583.44	6.975	19.732	2162.28	765.117	613.517	151.600
2007	176006	63110.718	49644.545	13466.17	7.651	21.337	2088.19	749.650	588.997	160.653
2008	177993	63718.624	48972.856	14745.77	8.284	23.142	2088.52	748.674	574.635	174.039
2009	173277	62794.698	47226.416	15568.28	8.985	24.792	2009.93	729.515	547.802	181.713
2010	171016	61917.074	45484.057	16433.02	9.609	26.540	1960.59	711.083	521.446	189.637
2011	170896	61680.114	44084.005	17596.11	10.296	28.528	1940.38	701.700	500.538	201.162
2012	172084	62023.127	43136.461	18886.67	10.975	30.451	1933.47	698.386	484.664	213.723
2013	173443	62037.765	41990.473	20047.29	11.558	32.315	1927.38	691.059	466.617	224.441
2014	174998	61921.017	40597.282	21323.73	12.185	34.437	1922.86	682.195	446.078	236.117
2015	178288	61856.204	39451.995	22404.21	12.566	36.220	2188.82	761.899	484.349	277.550
2016	177872	60464.119	37185.673	23278.45	13.087	38.500	2162.25	737.655	452.036	285.619
2017	180440	60243.839	35791.588	24452.25	13.551	40.589	2172.03	728.017	430.838	297.179
2018	178377	60713.327	35202.723	25510.60	14.302	42.018	2126.10	726.721	419.586	307.135
2019	180571	61148.172	34277.099	26871.07	14.881	43.944	2130.69	724.841	404.461	320.380
2020	181943	61149.317	33343.145	27806.17	15.283	45.473	2430.54	821.432	445.424	376.008
2021	179686	58727.786	30513.952	28213.83	15.702	48.042	2382.11	783.216	404.525	378.691
2022	181110	58848.802	29481.608	29367.19	16.215	49.903	2381.80	778.881	387.716	391.164
2023	182478	58816.149	28437.172	30378.98	16.648	51.651	2380.16	772.407	370.921	401.485
2024	183588	58955.232	27400.979	31554.25	17.188	53.522	2375.31	768.316	354.521	413.795
2025	182536	58297.744	26260.207	32037.54	17.551	54.955	2721.84	876.861	391.573	485.288
2026	182580	56469.971	24209.827	32260.14	17.669	57.128	2710.79	846.150	359.448	486.702
2027	182020	56209.427	23056.825	33152.60	18.214	58.981	2690.33	838.883	340.790	498.093
2028	181299	55733.105	21845.827	33887.28	18.691	60.803	2667.12	828.298	321.377	506.921
2029	180482	55145.838	20617.122	34528.72	19.131	62.613	2642.01	815.951	301.806	514.144
2030	176388	53615.097	19386.738	34228.36	19.405	63.841	3050.41	939.056	335.270	603.786
2031	177997	52046.561	18152.666	33893.90	19.042	65.122	3072.26	910.364	313.317	597.046
2032	176550	51582.636	17148.662	34433.97	19.504	66.755	3039.53	900.496	295.237	605.259
2033	175044	50839.758	16128.052	34711.71	19.830	68.277	3004.51	885.375	276.826	608.548
2034	173394	50215.451	15134.608	35080.84	20.232	69.861	2966.27	872.104	258.909	613.195
2035	166157	47773.075	14038.734	33734.34	20.303	70.614	3471.84	1016.05	293.338	722.708
2036	159795	43298.709	12010.718	31287.99	19.580	72.261	3341.63	922.274	251.168	671.107
2037	157228	42241.563	11019.516	31222.05	19.858	73.913	3288.41	900.450	230.473	669.978
2038	154670	41356.353	10219.848	31136.50	20.131	75.288	3232.74	881.531	213.604	667.927
2039	152182	40161.050	9321.966	30839.08	20.265	76.789	3175.57	855.178	194.520	660.657

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2343936	1580465.217	1147156.294	433308.9	18.486	27.417	640.431	433.910	313.436	120.474

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.550	93.857	0.207	0.286	647.451	467.274	465.935	1.339
1993	46292	33491.183	33305.813	185.371	0.400	0.553	650.518	470.643	468.033	2.609
1994	47019	34074.347	33774.112	300.235	0.639	0.881	650.904	471.719	467.553	4.167
1995	47843	34694.454	34242.051	452.403	0.946	1.304	652.042	472.861	466.675	6.186
1996	48250	35027.269	34401.653	625.616	1.297	1.786	649.027	471.202	462.753	8.449
1997	49044	35590.763	34758.919	831.844	1.696	2.337	650.551	472.153	461.066	11.087
1998	49699	36100.785	35025.383	1075.402	2.164	2.979	649.940	472.184	458.045	14.139
1999	48901	35451.030	34156.114	1294.915	2.648	3.653	630.861	457.448	440.642	16.806
2000	50356	36447.986	34828.260	1619.726	3.217	4.444	641.520	464.474	443.702	20.772
2001	50422	36411.326	34462.223	1949.103	3.866	5.353	635.180	458.863	434.133	24.730
2002	51487	37078.545	34720.175	2358.370	4.580	6.360	642.190	462.696	433.056	29.640
2003	51461	36999.876	34251.128	2748.748	5.341	7.429	635.782	457.395	423.161	34.234
2004	51464	36861.555	33679.665	3181.890	6.183	8.632	629.391	451.138	411.896	39.242
2005	51498	36689.529	33049.037	3640.492	7.069	9.922	622.765	444.069	399.660	44.409
2006	51446	36504.774	32382.424	4122.350	8.013	11.293	616.615	437.979	388.124	49.855
2007	51946	36663.202	31966.721	4696.481	9.041	12.810	616.306	435.498	379.262	56.235
2008	51098	35898.803	30770.972	5127.831	10.035	14.284	599.566	421.800	361.059	60.741
2009	51333	35934.525	30189.530	5744.996	11.192	15.987	595.432	417.468	350.183	67.285
2010	51010	35502.829	29252.185	6250.644	12.254	17.606	584.795	407.730	335.358	72.372
2011	50684	35136.342	28296.247	6840.095	13.496	19.467	575.471	399.726	321.281	78.445
2012	51443	35450.201	27876.282	7573.919	14.723	21.365	577.988	399.173	313.206	85.966
2013	51288	35123.224	26904.889	8218.335	16.024	23.399	569.934	391.249	298.980	92.269
2014	51494	35079.370	26171.708	8907.662	17.298	25.393	565.810	386.476	287.572	98.904
2015	50707	34324.171	24967.355	9356.816	18.453	27.260	622.526	422.780	306.522	116.257
2016	49134	33054.753	23303.364	9751.388	19.846	29.501	597.284	403.264	283.280	119.984
2017	48628	32471.234	22152.229	10319.011	21.220	31.779	585.359	392.399	266.655	125.743
2018	50809	33657.595	22123.082	11534.51	22.702	34.270	605.601	402.871	263.688	139.184
2019	51414	33863.424	21465.938	12397.49	24.113	36.610	606.675	401.412	253.292	148.119
2020	51858	33910.830	20798.471	13112.36	25.285	38.667	692.761	455.532	277.843	177.689
2021	48455	31531.880	18563.473	12968.41	26.764	41.128	642.372	420.521	246.097	174.424
2022	48787	31560.212	17835.941	13724.27	28.131	43.486	641.608	417.708	234.563	183.146
2023	49087	31508.781	17097.076	14411.71	29.360	45.739	640.262	413.791	223.006	190.785
2024	49307	31517.293	16355.299	15161.99	30.750	48.107	637.951	410.740	211.609	199.130
2025	49036	31175.389	15557.632	15617.76	31.850	50.096	731.191	468.912	231.984	236.928
2026	45887	29044.598	13848.032	15196.57	33.118	52.321	681.287	435.206	205.604	229.602
2027	45702	28825.765	13079.861	15745.90	34.453	54.624	675.502	430.203	193.326	236.877
2028	45469	28513.846	12293.678	16220.17	35.673	56.885	668.908	423.769	180.854	242.915
2029	45200	28148.109	11501.926	16646.18	36.828	59.138	661.663	416.486	168.372	248.114
2030	44083	27314.475	10708.840	16605.64	37.669	60.794	762.363	478.407	185.196	293.210
2031	41442	25423.102	9615.008	15808.09	38.145	62.180	715.300	444.684	165.956	278.728
2032	41050	25085.902	8987.701	16098.20	39.216	64.172	706.728	437.933	154.735	283.198
2033	40637	24645.067	8372.107	16272.96	40.045	66.029	697.499	429.194	143.701	285.493
2034	40188	24239.126	7778.379	16460.75	40.960	67.910	687.496	420.967	133.065	287.901
2035	38255	22944.147	7116.309	15827.84	41.374	68.984	799.338	487.980	148.694	339.285
2036	33726	19950.581	5840.372	14110.21	41.837	70.726	705.285	424.953	122.134	302.819
2037	33159	19415.334	5314.374	14100.96	42.525	72.628	693.524	413.871	111.150	302.721
2038	32593	18939.317	4895.347	14043.97	43.089	74.152	681.219	403.701	102.317	301.384
2039	32040	18379.752	4436.574	13943.18	43.517	75.862	668.584	391.373	92.577	298.796

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3261643	398833.796	199337.379	199496.4	6.116	50.020	891.175	109.498	54.465	55.034

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.074	90.405	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.688	250.556	0.267	1.979	1335.88	180.485	176.913	3.572
1993	93680	12730.613	12252.434	478.179	0.510	3.756	1316.45	178.900	172.179	6.721
1994	90835	12495.323	11750.658	744.665	0.820	5.960	1257.48	172.983	162.670	10.313
1995	89704	12365.590	11313.307	1052.283	1.173	8.510	1222.55	168.534	154.186	14.348
1996	88296	12290.551	10855.815	1434.737	1.625	11.673	1187.71	165.338	146.027	19.311
1997	84792	11719.531	9991.647	1727.884	2.038	14.744	1124.73	155.473	132.536	22.937
1998	82538	11416.794	9348.440	2068.354	2.506	18.117	1079.39	149.327	122.254	27.073
1999	93972	13028.038	10180.762	2847.276	3.030	21.855	1212.32	168.109	131.340	36.769
2000	90082	12426.299	9247.633	3178.666	3.529	25.580	1147.62	158.354	117.812	40.542
2001	86173	11939.281	8356.684	3582.598	4.157	30.007	1085.55	150.461	105.272	45.189
2002	83080	11528.794	7553.255	3975.539	4.785	34.484	1036.24	143.865	94.210	49.656
2003	79382	11048.407	6775.718	4272.688	5.382	38.672	980.731	136.581	83.712	52.869
2004	73952	10375.132	5901.748	4473.383	6.049	43.116	904.420	126.978	72.177	54.801
2005	71755	10051.029	5304.535	4746.495	6.615	47.224	867.730	121.652	64.147	57.504
2006	67670	9542.523	4621.285	4921.239	7.272	51.572	811.063	114.490	55.389	59.101
2007	63633	8936.533	3979.377	4957.156	7.790	55.471	754.960	106.151	47.212	58.939
2008	63320	8944.180	3652.872	5291.309	8.356	59.159	742.981	105.091	42.862	62.229
2009	59909	8390.033	3163.179	5226.855	8.725	62.298	694.908	97.471	36.691	60.780
2010	58185	8157.570	2823.366	5334.204	9.168	65.390	667.060	93.685	32.368	61.317
2011	57565	8035.356	2531.555	5503.801	9.561	68.495	653.604	91.414	28.744	62.670
2012	57630	7970.766	2275.296	5695.470	9.883	71.454	647.510	89.752	25.564	64.187
2013	57310	7743.216	2030.720	5712.496	9.968	73.774	636.854	86.254	22.566	63.688
2014	57808	7774.935	1851.666	5923.269	10.246	76.184	635.189	85.658	20.346	65.312
2015	58698	7722.535	1707.481	6015.054	10.248	77.890	720.628	95.120	20.963	74.158
2016	58991	7600.353	1527.722	6072.631	10.294	79.899	717.111	92.723	18.571	74.152
2017	59370	7470.266	1372.932	6097.334	10.270	81.621	714.665	90.274	16.527	73.748
2018	56456	6907.050	1159.215	5747.835	10.181	83.217	672.907	82.675	13.817	68.859
2019	56297	6732.046	1039.595	5692.452	10.111	84.558	664.291	79.801	12.267	67.534
2020	55758	6429.836	928.674	5501.162	9.866	85.557	744.862	86.373	12.406	73.967
2021	56777	6562.016	853.960	5708.055	10.053	86.986	752.698	87.513	11.321	76.192
2022	56344	6352.366	764.865	5587.501	9.917	87.959	740.993	84.075	10.059	74.017
2023	55888	6134.123	689.639	5444.484	9.742	88.757	728.981	80.557	8.995	71.561
2024	55353	5922.193	619.562	5302.631	9.580	89.538	716.168	77.179	8.016	69.163
2025	53908	5504.188	550.003	4954.185	9.190	90.008	803.844	82.789	8.201	74.588
2026	55953	5641.075	525.405	5115.670	9.143	90.686	830.752	84.526	7.801	76.725
2027	54903	5426.216	476.875	4949.341	9.015	91.212	811.490	80.982	7.048	73.934
2028	53822	5197.830	430.741	4767.089	8.857	91.713	791.785	77.249	6.337	70.913
2029	52733	4973.547	390.787	4582.759	8.691	92.143	771.938	73.590	5.721	67.869
2030	50258	4450.618	339.808	4110.810	8.179	92.365	869.156	77.952	5.877	72.075
2031	52853	4555.052	333.086	4221.967	7.988	92.688	912.241	79.674	5.749	73.925
2032	51567	4349.999	303.502	4046.497	7.847	93.023	887.787	75.939	5.225	70.714
2033	50292	4147.948	279.781	3868.167	7.691	93.255	863.227	72.237	4.802	67.434
2034	49008	3966.133	257.210	3708.923	7.568	93.515	838.382	68.881	4.400	64.481
2035	45453	3289.064	212.330	3076.734	6.769	93.544	949.740	69.952	4.437	65.516
2036	47364	3313.192	203.531	3109.661	6.565	93.857	990.474	70.572	4.256	66.316
2037	45866	3117.951	184.048	2933.903	6.397	94.097	959.282	66.464	3.849	62.615
2038	44409	2949.775	169.264	2780.511	6.261	94.262	928.196	62.876	3.538	59.338
2039	43009	2766.312	154.760	2611.552	6.072	94.406	897.471	58.905	3.229	55.676

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1361483	104899.750	51339.406	53560.34	3.934	51.059	371.996	28.800	14.027	14.772

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.235	76.890	0.236	2.389	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.109	145.572	0.444	4.511	460.482	45.344	43.298	2.046
1994	33006	3277.266	3045.159	232.107	0.703	7.082	456.920	45.370	42.156	3.214
1995	33732	3309.378	2976.816	332.562	0.986	10.049	459.725	45.104	40.570	4.534
1996	33754	3312.987	2863.402	449.584	1.332	13.570	454.035	44.568	38.517	6.051
1997	33705	3267.066	2704.157	562.909	1.670	17.230	447.080	43.341	35.870	7.472
1998	33282	3178.725	2507.707	671.018	2.016	21.110	435.246	41.577	32.795	8.782
1999	33902	3120.351	2339.277	781.074	2.304	25.032	437.368	40.264	30.179	10.085
2000	33842	3142.808	2229.349	913.460	2.699	29.065	431.143	40.050	28.401	11.649
2001	32525	2961.588	1980.790	980.798	3.015	33.117	409.735	37.323	24.953	12.370
2002	32103	2940.627	1838.054	1102.573	3.435	37.494	400.409	36.695	22.926	13.770
2003	30598	2819.545	1645.622	1173.923	3.837	41.635	378.021	34.855	20.331	14.524
2004	29423	2730.466	1480.554	1249.912	4.248	45.777	359.838	33.417	18.107	15.310
2005	27994	2670.510	1343.630	1326.880	4.740	49.686	338.529	32.322	16.248	16.074
2006	27247	2623.285	1222.242	1401.043	5.142	53.408	326.577	31.474	14.649	16.824
2007	26354	2536.599	1090.337	1446.263	5.488	57.016	312.675	30.131	12.936	17.195
2008	26058	2469.443	981.476	1487.967	5.710	60.255	305.757	29.015	11.516	17.499
2009	25106	2386.945	874.615	1512.330	6.024	63.358	291.220	27.730	10.145	17.585
2010	24915	2329.274	786.738	1542.537	6.191	66.224	285.632	26.750	9.019	17.731
2011	24876	2286.581	707.000	1579.581	6.350	69.080	282.447	26.013	8.027	17.986
2012	24593	2243.311	634.648	1608.663	6.541	71.709	276.315	25.260	7.131	18.129
2013	24554	2176.503	563.523	1612.980	6.569	74.109	272.859	24.245	6.262	17.983
2014	25415	2211.619	525.082	1686.537	6.636	76.258	279.253	24.366	5.770	18.596
2015	26453	2237.016	492.911	1744.105	6.593	77.966	324.759	27.554	6.051	21.502
2016	26887	2229.057	452.146	1776.911	6.609	79.716	326.848	27.194	5.496	21.698
2017	27789	2221.649	415.893	1805.756	6.498	81.280	334.505	26.848	5.006	21.841
2018	25429	1939.420	336.956	1602.464	6.302	82.626	303.090	23.214	4.016	19.198
2019	25619	1904.400	304.309	1600.090	6.246	84.021	302.299	22.574	3.591	18.984
2020	25587	1806.054	269.870	1536.185	6.004	85.057	341.810	24.261	3.605	20.656
2021	25674	1748.172	241.228	1506.944	5.869	86.201	340.365	23.314	3.198	20.116
2022	25783	1701.148	217.724	1483.424	5.753	87.201	339.077	22.515	2.863	19.652
2023	25883	1652.087	197.541	1454.546	5.620	88.043	337.608	21.696	2.577	19.119
2024	25941	1597.127	177.633	1419.494	5.472	88.878	335.626	20.814	2.298	18.516
2025	25560	1467.622	155.291	1312.331	5.134	89.419	381.128	22.075	2.316	19.759
2026	25804	1390.505	138.518	1251.987	4.852	90.038	383.123	20.835	2.057	18.779
2027	25606	1342.095	125.567	1216.529	4.751	90.644	378.468	20.030	1.856	18.174
2028	25382	1289.536	113.847	1175.689	4.632	91.171	373.394	19.165	1.675	17.490
2029	25145	1242.216	103.516	1138.700	4.529	91.667	368.082	18.380	1.515	16.865
2030	24353	1096.803	88.035	1008.768	4.142	91.973	421.147	19.210	1.522	17.688
2031	24381	1019.991	78.125	941.866	3.863	92.341	420.820	17.841	1.348	16.493
2032	24051	977.406	71.068	906.339	3.768	92.729	414.061	17.063	1.224	15.839
2033	23711	937.450	65.583	871.866	3.677	93.004	406.979	16.326	1.126	15.200
2034	23346	900.763	60.249	840.513	3.600	93.311	399.390	15.644	1.031	14.613
2035	22211	745.023	49.107	695.916	3.133	93.409	464.089	15.845	1.026	14.819
2036	21387	680.360	42.395	637.964	2.983	93.769	447.240	14.492	0.887	13.605
2037	20889	644.109	38.623	605.486	2.899	94.004	436.892	13.730	0.808	12.922
2038	20391	612.448	35.570	576.878	2.829	94.192	426.189	13.055	0.743	12.311
2039	19901	577.529	32.606	544.923	2.738	94.354	415.268	12.298	0.680	11.617

Results for PHIM for Run 2 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 2, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2181354	862051.244	554715.602	307335.6	14.089	35.652	596.009	236.673	151.564	85.109

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.201	50.174	0.187	0.424	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.248	108.123	0.363	0.816	418.408	186.148	184.627	1.521
1994	29805	13355.662	13183.993	171.669	0.576	1.285	412.606	184.893	182.513	2.381
1995	29757	13397.439	13142.660	254.779	0.856	1.902	405.549	182.598	179.118	3.480
1996	30903	13960.356	13604.606	355.750	1.151	2.548	415.697	187.801	183.002	4.799
1997	31133	14109.552	13644.766	464.787	1.493	3.294	412.976	187.180	180.994	6.186
1998	32104	14599.657	13991.623	608.034	1.894	4.165	419.844	190.958	182.976	7.982
1999	34628	15728.102	14939.346	788.757	2.278	5.015	446.736	202.950	192.730	10.220
2000	34316	15579.803	14641.993	937.810	2.733	6.019	437.174	198.541	186.535	12.006
2001	34614	15696.614	14567.105	1129.509	3.263	7.196	436.050	197.812	183.507	14.305
2002	34319	15519.777	14208.762	1311.015	3.820	8.447	428.057	193.668	177.222	16.446
2003	35110	15888.389	14339.261	1549.128	4.412	9.750	433.777	196.413	177.156	19.257
2004	33555	15091.573	13410.257	1681.316	5.011	11.141	410.370	184.701	164.005	20.697
2005	35446	15803.656	13794.700	2008.955	5.668	12.712	428.650	191.278	166.818	24.460
2006	34043	15100.563	12961.760	2138.803	6.283	14.164	408.027	181.174	155.355	25.819
2007	34073	14974.384	12608.110	2366.273	6.945	15.802	404.246	177.871	149.586	28.284
2008	37518	16406.197	13567.536	2838.661	7.566	17.302	440.221	192.768	159.198	33.570
2009	36930	16083.194	12999.092	3084.102	8.351	19.176	428.368	186.846	150.783	36.063
2010	36906	15927.400	12621.769	3305.632	8.957	20.754	423.101	182.917	144.701	38.217
2011	37771	16221.836	12549.204	3672.632	9.723	22.640	428.860	184.547	142.486	42.061
2012	38419	16358.849	12350.235	4008.614	10.434	24.504	431.655	184.202	138.762	45.440
2013	40291	16994.822	12491.340	4503.482	11.177	26.499	447.731	189.311	138.810	50.501
2014	40282	16855.093	12048.827	4806.266	11.932	28.515	442.609	185.696	132.391	53.305
2015	42430	17572.483	12284.249	5288.234	12.463	30.094	520.910	216.445	150.813	65.632
2016	42860	17579.955	11902.440	5677.515	13.247	32.295	521.011	214.473	144.688	69.785
2017	44653	18080.688	11850.533	6230.155	13.952	34.458	537.504	218.496	142.650	75.846
2018	45683	18209.262	11583.471	6625.791	14.504	36.387	544.500	217.960	138.065	79.895
2019	47240	18648.302	11467.257	7181.045	15.201	38.508	557.421	221.054	135.311	85.743
2020	48740	19002.597	11346.131	7656.466	15.709	40.292	651.103	255.266	151.571	103.695
2021	48780	18885.717	10855.291	8030.427	16.463	42.521	646.672	251.867	143.909	107.958
2022	50195	19235.076	10663.079	8571.998	17.077	44.564	660.125	254.582	140.231	114.350
2023	51620	19521.158	10452.915	9068.243	17.567	46.453	673.313	256.363	136.343	120.020
2024	52987	19918.620	10248.485	9670.134	18.250	48.548	685.566	259.583	132.598	126.986
2025	54032	20150.545	9997.281	10153.26	18.791	50.387	805.682	303.086	149.072	154.014
2026	54935	20393.792	9697.871	10695.92	19.470	52.447	815.633	305.582	143.986	161.596
2027	55808	20615.351	9374.522	11240.83	20.142	54.526	824.873	307.668	138.560	169.109
2028	56626	20731.894	9007.560	11724.33	20.705	56.552	833.032	308.115	132.512	175.603
2029	57405	20781.967	8620.892	12161.07	21.185	58.517	840.329	307.495	126.198	181.297
2030	57694	20753.201	8250.054	12503.15	21.672	60.247	997.745	363.487	142.675	220.813
2031	59321	21048.417	8126.448	12921.97	21.783	61.392	1023.90	368.165	140.263	227.901
2032	59883	21169.329	7786.391	13382.94	22.349	63.219	1030.96	369.560	134.053	235.507
2033	60405	21109.293	7410.581	13698.71	22.678	64.894	1036.81	367.618	127.197	240.421
2034	60852	21109.429	7038.769	14070.66	23.123	66.656	1041.00	366.613	120.413	246.200
2035	60238	20794.840	6660.986	14133.85	23.463	67.968	1258.67	442.268	139.180	303.088
2036	57318	19354.577	5924.418	13430.16	23.431	69.390	1198.63	412.258	123.891	288.367
2037	57314	19064.169	5482.471	13581.70	23.697	71.242	1198.72	406.385	114.666	291.719
2038	57277	18854.812	5119.667	13735.15	23.980	72.847	1197.14	401.900	107.006	294.894
2039	57232	18437.457	4698.026	13739.43	24.007	74.519	1194.25	392.602	98.033	294.569

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Control File Details for Run: 3

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S4B
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_4
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 3, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 3, Scenario: Ecig

Variable Parameter

Value

- 1. Country
 - 2. Sex
 - 3. Assumption Set
- Note:

US (United States)
M (Males)
S4B
Period is in Months

Age	Period	Initiation		Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.001441	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.001770	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000141	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000070	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000035	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.002208	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.003145	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000309	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000433	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000164	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.002587	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.003198	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.001473	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000503	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000249	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.002471	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.003331	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000044	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.001013	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000496	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.001649	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.002841	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000228	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000179	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000089	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.000944	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.002126	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000322	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000160	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000080	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 3, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 3, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38738	41.97					
5	All Ages	CC	11526	12.49	0	0.00			
5	All Ages	Ecig	15157	16.42					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26869	29.11			15.21	1690	6.29
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2575	72.66					
5	18-19	CC	327	9.23	0	0.00			
5	18-19	Ecig	536	15.12					
5	18-19	Dual	0	0.00					
5	18-19	Former	106	2.99			1.08	75	70.75
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5974	66.08					
5	20-24	CC	956	10.58	0	0.00			
5	20-24	Ecig	1644	18.19					
5	20-24	Dual	0	0.00					
5	20-24	Former	466	5.15			2.86	134	28.76
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5499	56.02					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	1915	19.51					
5	25-29	Dual	0	0.00					
5	25-29	Former	1147	11.69			5.44	114	9.94
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

5	30-34	Never Any	5088	47.71					
5	30-34	CC	1481	13.89	0	0.00			
5	30-34	Ecig	2296	21.53					
5	30-34	Dual	0	0.00					
5	30-34	Former	1799	16.87			6.95	105	5.84
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4729	43.32					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2270	20.80					
5	35-39	Dual	0	0.00					
5	35-39	Former	2421	22.18			8.20	114	4.71
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1894	19.15					
5	40-44	Dual	0	0.00					
5	40-44	Former	2774	28.05			12.06	130	4.69
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1562	18.05					
5	45-49	Dual	0	0.00					
5	45-49	Former	2945	34.03			14.20	148	5.03
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	1015	15.58					
5	50-54	Dual	0	0.00					
5	50-54	Former	2641	40.54			15.98	175	6.63
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	762	13.91					
5	55-59	Dual	0	0.00					
5	55-59	Former	2364	43.16			17.21	122	5.16
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	572	11.48					
5	60-64	Dual	0	0.00					
5	60-64	Former	2477	49.71			17.27	143	5.77
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	360	7.34					
5	65-69	Dual	0	0.00					
5	65-69	Former	2899	59.10			20.44	196	6.76
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	196	4.47					
5	70-74	Dual	0	0.00					
5	70-74	Former	2730	62.23			22.00	137	5.02
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	135	3.86					
5	75-79	Dual	0	0.00					
5	75-79	Former	2100	60.02			23.02	97	4.62
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	40032	42.55					
10	All Ages	CC	4874	5.18	0	0.00			
10	All Ages	Ecig	20003	21.26					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29183	31.02			16.92	1672	5.73
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5409	61.15					
10	20-24	CC	485	5.48	0	0.00			
10	20-24	Ecig	2153	24.34					
10	20-24	Dual	0	0.00					
10	20-24	Former	798	9.02			3.46	222	27.82
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5601	61.96					
10	25-29	CC	412	4.56	0	0.00			
10	25-29	Ecig	2135	23.62					
10	25-29	Dual	0	0.00					
10	25-29	Former	892	9.87			4.98	181	20.29
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5348	54.48					
10	30-34	CC	481	4.90	0	0.00			
10	30-34	Ecig	2540	25.88					
10	30-34	Dual	0	0.00					
10	30-34	Former	1447	14.74			8.67	116	8.02
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5033	47.20					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	2947	27.64					
10	35-39	Dual	0	0.00					
10	35-39	Former	2075	19.46			10.62	109	5.25
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4729	43.32					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	2852	26.13					
10	40-44	Dual	0	0.00					
10	40-44	Former	2768	25.36			11.82	124	4.48
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2312	23.38					
10	45-49	Dual	0	0.00					
10	45-49	Former	3152	31.87			15.25	163	5.17
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	1859	21.48					
10	50-54	Dual	0	0.00					
10	50-54	Former	3411	39.41			16.85	186	5.45
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1194	18.33					
10	55-59	Dual	0	0.00					

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

10	55-59	Former	3039	46.65			18.50	146	4.80
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	1611	29.41					
10	60-64	CC	306	5.59	0	0.00			
10	60-64	Ecig	852	15.56					
10	60-64	Dual	0	0.00					
10	60-64	Former	2708	49.44			19.63	144	5.32
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	1337	26.83					
10	65-69	CC	244	4.90	0	0.00			
10	65-69	Ecig	603	12.10					
10	65-69	Dual	0	0.00					
10	65-69	Former	2799	56.17			19.95	120	4.29
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	1169	23.83					
10	70-74	CC	236	4.81	0	0.00			
10	70-74	Ecig	327	6.67					
10	70-74	Dual	0	0.00					
10	70-74	Former	3173	64.69			23.44	94	2.96
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	1023	23.32					
10	75-79	CC	214	4.88	0	0.00			
10	75-79	Ecig	229	5.22					
10	75-79	Dual	0	0.00					
10	75-79	Former	2921	66.58			25.38	67	2.29
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	38428	42.84					
15	All Ages	CC	1922	2.14	0	0.00			
15	All Ages	Ecig	19289	21.50					
15	All Ages	Dual	0	0.00					
15	All Ages	Former	30066	33.52			18.58	1531	5.09
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0	.					
15	18-19	CC	0	.	0	.			
15	18-19	Ecig	0	.					
15	18-19	Dual	0	.					
15	18-19	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0	.					
15	20-24	CC	0	.	0	.			
15	20-24	Ecig	0	.					
15	20-24	Dual	0	.					
15	20-24	Former	0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	5156	58.29					
15	25-29	CC	186	2.10	0	0.00			
15	25-29	Ecig	2308	26.09					
15	25-29	Dual	0	0.00					
15	25-29	Former	1195	13.51			6.37	148	12.38
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	5361	59.30					
15	30-34	CC	157	1.74	0	0.00			
15	30-34	Ecig	2239	24.77					
15	30-34	Dual	0	0.00					
15	30-34	Former	1283	14.19			7.50	158	12.31
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	5260	53.59					
15	35-39	CC	188	1.92	0	0.00			

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15	35-39	Ecig	2568	26.16					
15	35-39	Dual	0	0.00					
15	35-39	Former	1800	18.34			11.37	144	8.00
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5033	47.20					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	2916	27.34					
15	40-44	Dual	0	0.00					
15	40-44	Former	2484	23.29			13.33	199	8.01
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4729	43.32					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	2790	25.56					
15	45-49	Dual	0	0.00					
15	45-49	Former	3181	29.14			14.89	159	5.00
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	2180	22.04					
15	50-54	Dual	0	0.00					
15	50-54	Former	3555	35.95			18.19	154	4.33
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	1781	20.58					
15	55-59	Dual	0	0.00					
15	55-59	Former	3747	43.29			20.09	117	3.12
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	1100	16.88					
15	60-64	Dual	0	0.00					
15	60-64	Former	3353	51.47			21.47	156	4.65
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	705	12.87					
15	65-69	Dual	0	0.00					
15	65-69	Former	3037	55.45			22.19	118	3.89
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	441	8.85					
15	70-74	Dual	0	0.00					
15	70-74	Former	3076	61.73			22.89	112	3.64
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	261	5.32					
15	75-79	Dual	0	0.00					
15	75-79	Former	3355	68.40			27.01	66	1.97
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	37109	43.76					
20	All Ages	CC	744	0.88	0	0.00			
20	All Ages	Ecig	16459	19.41					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	30488	35.95			19.98	1468	4.82
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	5051	57.11					
20	30-34	CC	76	0.86	0	0.00			
20	30-34	Ecig	2067	23.37					
20	30-34	Dual	0	0.00					
20	30-34	Former	1651	18.67			8.76	201	12.17
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5316	58.81					
20	35-39	CC	60	0.66	0	0.00			
20	35-39	Ecig	1947	21.54					
20	35-39	Dual	0	0.00					
20	35-39	Former	1717	18.99			9.89	134	7.80
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5260	53.59					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2344	23.88					
20	40-44	Dual	0	0.00					
20	40-44	Former	2144	21.84			14.07	133	6.20
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5033	47.20					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	2593	24.32					
20	45-49	Dual	0	0.00					
20	45-49	Former	2949	27.65			15.78	167	5.66
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4729	43.32					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2487	22.78					
20	50-54	Dual	0	0.00					
20	50-54	Former	3613	33.10			17.75	174	4.82
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	1859	18.80					
20	55-59	Dual	0	0.00					
20	55-59	Former	4004	40.49			20.81	181	4.52
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1428	16.50					
20	60-64	Dual	0	0.00					
20	60-64	Former	4228	48.85			22.41	241	5.70
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	809	12.42					
20	65-69	Dual	0	0.00					
20	65-69	Former	3727	57.21			24.03	133	3.57
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	574	10.48					
20	70-74	Dual	0	0.00					
20	70-74	Former	3223	58.85			25.75	61	1.89
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	351	7.04					
20	75-79	Dual	0	0.00					
20	75-79	Former	3232	64.86			26.66	43	1.33
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	35755	44.80					
25	All Ages	CC	291	0.36	0	0.00			
25	All Ages	Ecig	13570	17.00					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	30201	37.84			22.04	1058	3.50
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	5034	56.91					
25	35-39	CC	30	0.34	0	0.00			
25	35-39	Ecig	1734	19.60					
25	35-39	Dual	0	0.00					
25	35-39	Former	2047	23.14			11.54	122	5.96
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5316	58.81					
25	40-44	CC	20	0.22	0	0.00			
25	40-44	Ecig	1714	18.96					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1990	22.01			13.13	103	5.18
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5260	53.59					
25	45-49	CC	29	0.30	0	0.00			
25	45-49	Ecig	2124	21.64					
25	45-49	Dual	0	0.00					
25	45-49	Former	2403	24.48			17.27	80	3.33
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5033	47.20					
25	50-54	CC	37	0.35	0	0.00			
25	50-54	Ecig	2362	22.15					
25	50-54	Dual	0	0.00					
25	50-54	Former	3232	30.31			19.13	130	4.02
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4729	43.32					
25	55-59	CC	33	0.30	0	0.00			
25	55-59	Ecig	2101	19.25					
25	55-59	Dual	0	0.00					
25	55-59	Former	4053	37.13			20.51	162	4.00
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	28	0.28	0	0.00			
25	60-64	Ecig	1443	14.59					
25	60-64	Dual	0	0.00					
25	60-64	Former	4477	45.27			23.28	205	4.58
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	43	0.50	0	0.00			
25	65-69	Ecig	1019	11.77					
25	65-69	Dual	0	0.00					
25	65-69	Former	4681	54.08			24.99	134	2.86
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	35	0.54	0	0.00			
25	70-74	Ecig	616	9.46					
25	70-74	Dual	0	0.00					
25	70-74	Former	3945	60.55			27.55	70	1.77
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	36	0.66	0	0.00			
25	75-79	Ecig	457	8.34					
25	75-79	Dual	0	0.00					
25	75-79	Former	3373	61.58			29.48	52	1.54
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	34144	45.93					
30	All Ages	CC	102	0.14	0	0.00			
30	All Ages	Ecig	10875	14.63					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	29219	39.30			24.14	894	3.06
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	5034	56.91					
30	40-44	CC	14	0.16	0	0.00			
30	40-44	Ecig	1519	17.17					
30	40-44	Dual	0	0.00					
30	40-44	Former	2278	25.75			15.07	89	3.91
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5316	58.81					
30	45-49	CC	5	0.06	0	0.00			
30	45-49	Ecig	1527	16.89					
30	45-49	Dual	0	0.00					
30	45-49	Former	2192	24.25			16.69	57	2.60
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5260	53.59					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	1950	19.87					
30	50-54	Dual	0	0.00					
30	50-54	Former	2597	26.46			20.72	99	3.81
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5033	47.20					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	1978	18.55					
30	55-59	Dual	0	0.00					
30	55-59	Former	3635	34.09			21.68	157	4.32
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4729	43.32					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	1613	14.78					
30	60-64	Dual	0	0.00					
30	60-64	Former	4564	41.81			22.88	203	4.45
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	1039	10.51					
30	65-69	Dual	0	0.00					
30	65-69	Former	4896	49.51			26.05	145	2.96
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	770	8.90					
30	70-74	Dual	0	0.00					
30	70-74	Former	4955	57.25			28.45	93	1.88
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	479	7.35					
30	75-79	Dual	0	0.00					
30	75-79	Former	4102	62.96			31.39	51	1.24
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	32225	47.51					
35	All Ages	CC	40	0.06	0	0.00			
35	All Ages	Ecig	8443	12.45					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	27117	39.98			26.04	766	2.82
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	5034	56.91					
35	45-49	CC	9	0.10	0	0.00			
35	45-49	Ecig	1344	15.20					
35	45-49	Dual	0	0.00					
35	45-49	Former	2458	27.79			18.77	55	2.24
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5316	58.81					
35	50-54	CC	3	0.03	0	0.00			
35	50-54	Ecig	1408	15.58					
35	50-54	Dual	0	0.00					
35	50-54	Former	2313	25.59			20.63	67	2.90
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5260	53.59					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1604	16.34					
35	55-59	Dual	0	0.00					
35	55-59	Former	2952	30.07			22.87	152	5.15
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5033	47.20					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	1515	14.21					
35	60-64	Dual	0	0.00					
35	60-64	Former	4107	38.51			23.84	183	4.46
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4729	43.32					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	1168	10.70					
35	65-69	Dual	0	0.00					
35	65-69	Former	5014	45.93			25.57	158	3.15
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	811	8.20					
35	70-74	Dual	0	0.00					
35	70-74	Former	5132	51.90			29.73	79	1.54
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	593	6.85					
35	75-79	Dual	0	0.00					
35	75-79	Former	5141	59.40			32.31	72	1.40
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	29313	49.54					
40	All Ages	CC	16	0.03	0	0.00			
40	All Ages	Ecig	6176	10.44					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	23665	39.99			27.61	669	2.83
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	30-34	Never Any		0	.				0	.
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 55-59										
40	50-54	Never Any		5034	56.91					
40	50-54	CC		4	0.05	0	0.00			
40	50-54	Ecig		1208	13.66					
40	50-54	Dual		0	0.00					
40	50-54	Former		2599	29.38			22.56	77	2.96
Year of Follow-up: 2030, Age Group: 60-64										
40	55-59	Never Any		5316	58.81					
40	55-59	CC		2	0.02	0	0.00			
40	55-59	Ecig		1174	12.99					
40	55-59	Dual		0	0.00					
40	55-59	Former		2548	28.19			23.45	101	3.96
Year of Follow-up: 2030, Age Group: 65-69										
40	60-64	Never Any		5260	53.59					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		1189	12.11					
40	60-64	Dual		0	0.00					
40	60-64	Former		3367	34.30			24.67	178	5.29
Year of Follow-up: 2030, Age Group: 70-74										
40	65-69	Never Any		5033	47.20					
40	65-69	CC		4	0.04	0	0.00			
40	65-69	Ecig		1111	10.42					
40	65-69	Dual		0	0.00					
40	65-69	Former		4516	42.35			26.43	135	2.99
Year of Follow-up: 2030, Age Group: 75-79										
40	70-74	Never Any		4729	43.32					
40	70-74	CC		3	0.03	0	0.00			
40	70-74	Ecig		879	8.05					
40	70-74	Dual		0	0.00					
40	70-74	Former		5305	48.60			29.02	95	1.79
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		3941	39.85					
40	75-79	CC		3	0.03	0	0.00			

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

40	75-79	Ecig	615	6.22					
40	75-79	Dual	0	0.00					
40	75-79	Former	5330	53.90			33.51	83	1.56
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25372	51.48					
45	All Ages	CC	6	0.01	0	0.00			
45	All Ages	Ecig	4288	8.70					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	19615	39.80			29.01	505	2.57
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

45	55-59	Never Any	5034	56.91					
45	55-59	CC	2	0.02	0	0.00			
45	55-59	Ecig	1015	11.48					
45	55-59	Dual	0	0.00					
45	55-59	Former	2794	31.59			25.77	91	3.26
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5316	58.81					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	925	10.23					
45	60-64	Dual	0	0.00					
45	60-64	Former	2799	30.96			26.07	113	4.04
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5260	53.59					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	868	8.84					
45	65-69	Dual	0	0.00					
45	65-69	Former	3688	37.57			27.28	102	2.77
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5033	47.20					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	846	7.93					
45	70-74	Dual	0	0.00					
45	70-74	Former	4784	44.86			29.79	100	2.09
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4729	43.32					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	634	5.81					
45	75-79	Dual	0	0.00					
45	75-79	Former	5550	50.84			32.61	99	1.78
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	20643	53.81					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	2675	6.97					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	15046	39.22			30.60	376	2.50
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	5034	56.91					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	754	8.52					
50	60-64	Dual	0	0.00					
50	60-64	Former	3057	34.56			28.29	116	3.79
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5316	58.81					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	646	7.15					
50	65-69	Dual	0	0.00					
50	65-69	Former	3078	34.05			28.45	106	3.44
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5260	53.59					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	645	6.57					
50	70-74	Dual	0	0.00					
50	70-74	Former	3911	39.84			30.57	75	1.92
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5033	47.20					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	630	5.91					
50	75-79	Dual	0	0.00					
50	75-79	Former	5000	46.89			33.38	79	1.58

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	2982237.046	1527154	11.614	33.866	3806.31	1305.37	863.293	442.078

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308577	122014.015	120877.254	1136.761	0.368	0.932	4729.73	1870.18	1852.75	17.424
1993	311713	122810.618	120675.247	2135.371	0.685	1.739	4692.62	1848.83	1816.68	32.146
1994	305700	119925.592	116642.152	3283.440	1.074	2.738	4516.19	1771.69	1723.19	48.507
1995	303225	117896.496	113270.146	4626.350	1.526	3.924	4393.80	1708.35	1641.31	67.037
1996	299559	115698.645	109592.702	6105.943	2.038	5.277	4273.16	1650.42	1563.32	87.100
1997	294226	113359.847	105764.050	7595.797	2.582	6.701	4128.67	1590.70	1484.11	106.587
1998	289258	111444.212	102354.274	9089.938	3.143	8.156	3992.19	1538.10	1412.64	125.455
1999	311002	114877.722	102717.074	12160.65	3.910	10.586	4224.60	1560.48	1395.29	165.188
2000	303786	112379.704	98502.351	13877.35	4.568	12.349	4066.21	1504.22	1318.47	185.750
2001	296294	110024.943	94311.708	15713.23	5.303	14.282	3914.28	1453.52	1245.93	207.585
2002	291898	108289.173	90515.802	17773.37	6.089	16.413	3813.00	1414.56	1182.39	232.169
2003	285865	106539.023	86943.746	19595.28	6.855	18.393	3695.36	1377.22	1123.92	253.307
2004	274177	103037.251	82107.149	20930.10	7.634	20.313	3506.10	1317.61	1049.96	267.648
2005	272379	103044.562	80193.119	22851.44	8.390	22.176	3442.69	1302.41	1013.59	288.827
2006	264118	99672.555	75184.103	24488.45	9.272	24.569	3307.76	1248.28	941.590	306.688
2007	258419	97839.152	71974.626	25864.53	10.009	26.436	3203.20	1212.75	892.152	320.600
2008	259461	98075.852	70469.037	27606.81	10.640	28.148	3180.09	1202.07	863.707	338.364
2009	253907	95617.338	66795.219	28822.12	11.351	30.143	3075.31	1158.11	809.021	349.092
2010	251878	94607.988	64419.511	30188.48	11.985	31.909	3013.72	1131.98	770.779	361.205
2011	251779	93633.119	61774.536	31858.58	12.653	34.025	2982.76	1109.25	731.828	377.421
2012	252643	92775.175	59279.911	33495.26	13.258	36.104	2960.61	1087.19	694.674	392.516
2013	256175	92345.780	57173.532	35172.25	13.730	38.088	2967.76	1069.82	662.349	407.467
2014	257393	91379.215	54802.985	36576.23	14.210	40.027	2947.05	1046.26	627.473	418.784
2015	259782	90750.242	52911.745	37838.50	14.565	41.695	3346.10	1168.90	681.526	487.376
2016	261453	88811.996	49670.598	39141.40	14.971	44.072	3336.15	1133.24	633.799	499.446
2017	263685	87325.126	47033.853	40291.27	15.280	46.139	3333.85	1104.08	594.664	509.415
2018	258714	87612.144	46275.681	41336.46	15.978	47.181	3240.73	1097.46	579.663	517.793
2019	261438	87797.760	44941.576	42856.18	16.392	48.812	3242.99	1089.08	557.475	531.607
2020	262288	87221.042	43489.803	43731.24	16.673	50.138	3715.29	1235.48	616.030	619.449
2021	255079	82001.292	38713.758	43287.53	16.970	52.789	3587.82	1153.39	544.528	608.861
2022	257097	81915.977	37232.708	44683.27	17.380	54.548	3588.53	1143.37	519.690	623.685
2023	259080	81810.810	35788.053	46022.76	17.764	56.255	3586.88	1132.64	495.474	637.171
2024	260719	81528.303	34353.720	47174.58	18.094	57.863	3579.65	1119.38	471.674	647.704
2025	257308	79599.213	32691.036	46908.18	18.230	58.930	4112.08	1272.09	522.441	749.647
2026	251528	75082.462	29027.276	46055.19	18.310	61.339	4003.24	1194.99	461.989	733.000
2027	250988	74444.425	27531.205	46913.22	18.691	63.018	3976.53	1179.46	436.191	743.270
2028	250285	73699.585	25966.018	47733.57	19.072	64.768	3945.35	1161.76	409.314	752.446
2029	249525	72819.703	24454.517	48365.19	19.383	66.418	3910.99	1141.36	383.294	758.063
2030	240528	69309.277	22788.531	46520.75	19.341	67.121	4504.36	1297.95	426.759	871.190
2031	235442	65433.368	20156.174	45277.19	19.231	69.196	4397.65	1222.18	376.482	845.699
2032	234017	64643.552	18917.953	45725.60	19.539	70.735	4356.12	1203.31	352.149	851.160
2033	232559	63793.514	17749.829	46043.69	19.799	72.176	4310.93	1182.54	329.027	853.509
2034	230963	63032.151	16629.991	46402.16	20.091	73.617	4260.75	1162.80	306.786	856.015
2035	215822	57653.301	15158.101	42495.20	19.690	73.708	4924.38	1315.47	345.861	969.609
2036	208183	52988.733	12650.434	40338.30	19.376	76.126	4748.94	1208.75	288.574	920.172
2037	205491	52026.921	11697.424	40329.50	19.626	77.517	4682.40	1185.50	266.541	918.961
2038	202834	50943.211	10762.867	40180.34	19.809	78.873	4612.18	1158.38	244.734	913.649
2039	200251	50085.991	9955.640	40130.35	20.040	80.123	4538.65	1135.19	225.643	909.548

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1721897.045	523091.1	17.061	23.300	887.537	649.875	498.452	151.424

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77987	62366.766	62237.572	129.194	0.166	0.207	1195.35	955.930	953.949	1.980
1993	78542	62652.888	62398.513	254.375	0.324	0.406	1182.39	943.195	939.365	3.829
1994	77437	61565.227	61163.819	401.408	0.518	0.652	1144.00	909.520	903.590	5.930
1995	76904	60851.961	60267.830	584.131	0.760	0.960	1114.36	881.759	873.295	8.464
1996	76232	60122.922	59308.511	814.411	1.068	1.355	1087.44	857.643	846.025	11.617
1997	75473	59237.155	58175.071	1062.084	1.407	1.793	1059.06	831.234	816.331	14.903
1998	75381	58906.696	57537.274	1369.422	1.817	2.325	1040.37	813.001	794.100	18.900
1999	73159	56930.073	55258.788	1671.285	2.284	2.936	993.781	773.329	750.627	22.702
2000	73784	57137.121	55072.415	2064.706	2.798	3.614	987.608	764.787	737.151	27.636
2001	73294	56481.726	53973.102	2508.624	3.423	4.441	968.273	746.169	713.028	33.141
2002	72442	55588.365	52613.101	2975.264	4.107	5.352	946.293	726.138	687.273	38.865
2003	71942	54945.856	51453.906	3491.950	4.854	6.355	929.989	710.281	665.141	45.140
2004	71301	54203.126	50141.817	4061.309	5.696	7.493	911.778	693.135	641.200	51.935
2005	70964	53744.603	49094.189	4650.414	6.553	8.653	896.937	679.296	620.518	58.778
2006	69658	52535.572	47266.952	5268.619	7.564	10.029	872.383	657.945	591.962	65.983
2007	68565	51492.124	45612.189	5879.935	8.576	11.419	849.888	638.264	565.380	72.884
2008	68226	51030.736	44409.732	6621.004	9.705	12.975	836.215	625.460	544.310	81.151
2009	67509	50276.199	42913.996	7362.203	10.906	14.644	817.667	608.943	519.773	89.171
2010	67196	49840.933	41735.236	8105.697	12.063	16.263	804.000	596.347	499.362	96.985
2011	66506	49072.841	40148.570	8924.271	13.419	18.186	787.880	581.354	475.630	105.724
2012	66155	48539.512	38736.410	9803.102	14.818	20.196	775.240	568.812	453.934	114.878
2013	65333	47675.741	37090.552	10585.19	16.202	22.202	756.876	552.318	429.690	122.628
2014	65033	47194.534	35792.800	11401.73	17.532	24.159	744.602	540.359	409.814	130.545
2015	64145	46305.842	34194.714	12111.13	18.881	26.155	726.215	526.439	404.442	155.996
2016	61618	44208.867	31683.311	12525.56	20.328	28.333	786.248	564.107	404.280	159.827
2017	59897	42702.624	29694.471	13008.15	21.718	30.462	757.297	539.903	375.437	164.466
2018	62468	44321.202	29703.085	14618.12	23.401	32.982	782.490	555.181	372.070	183.111
2019	63045	44493.088	28800.592	15692.50	24.891	35.270	782.035	551.912	357.255	194.657
2020	63466	44529.551	27836.422	16693.13	26.302	37.488	898.991	630.757	394.301	236.457
2021	57113	39852.556	23940.594	15911.96	27.860	39.927	803.323	560.546	336.736	223.810
2022	57440	39853.685	22944.617	16909.07	29.438	42.428	801.745	556.274	320.259	236.015
2023	57738	39847.050	21955.946	17891.10	30.987	44.899	799.366	551.670	303.973	247.697
2024	57942	39726.010	20959.757	18766.25	32.388	47.239	795.539	545.435	287.776	257.659
2025	57521	39207.348	19855.609	19351.74	33.643	49.357	919.257	626.579	317.316	309.263
2026	51428	34803.960	16807.960	17996.00	34.993	51.707	818.510	553.929	267.510	286.419
2027	51172	34484.595	15821.186	18663.41	36.472	54.121	810.740	546.357	250.663	295.694
2028	50870	34100.638	14807.514	19293.12	37.926	56.577	801.884	537.544	233.417	304.126
2029	50540	33669.838	13842.096	19827.74	39.232	58.889	792.146	527.732	216.957	310.775
2030	49109	32557.688	12812.653	19745.04	40.206	60.646	919.662	609.705	239.942	369.764
2031	43585	28646.393	10682.036	17964.36	41.217	62.711	814.096	535.065	199.522	335.543
2032	43163	28227.160	9934.624	18292.54	42.380	64.805	803.454	525.435	184.928	340.507
2033	42725	27786.623	9234.991	18551.63	43.421	66.765	791.996	515.079	171.188	343.890
2034	42256	27348.299	8577.789	18770.51	44.421	68.635	779.523	504.514	158.241	346.273
2035	39748	25570.077	7753.858	17816.22	44.823	69.676	906.933	583.430	176.919	406.511
2036	34030	21717.319	6061.981	15655.34	46.005	72.087	776.269	495.402	138.282	357.120
2037	33454	21256.024	5564.747	15691.28	46.904	73.820	762.289	484.347	126.800	357.547
2038	32883	20747.175	5086.991	15660.18	47.624	75.481	747.720	471.764	115.672	356.092
2039	32325	20327.688	4681.135	15646.55	48.404	76.972	732.644	460.724	106.097	354.627

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	6360041	1098877.421	514821.163	584056.3	9.183	53.150	1841.09	318.101	149.030	169.072

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164548	36137.488	35292.953	844.535	0.513	2.337	2522.12	553.899	540.954	12.945
1993	164362	35599.588	34035.898	1563.689	0.951	4.392	2474.35	535.926	512.386	23.540
1994	159866	34336.757	31950.155	2386.603	1.493	6.951	2361.75	507.267	472.009	35.258
1995	158083	33455.759	30118.998	3336.761	2.111	9.974	2290.66	484.782	436.431	48.350
1996	154875	32193.824	27848.683	4345.141	2.806	13.497	2209.26	459.239	397.257	61.983
1997	149970	30665.509	25343.003	5322.507	3.549	17.357	2104.43	430.308	355.621	74.687
1998	145407	29188.430	22950.732	6237.699	4.290	21.370	2006.83	402.844	316.754	86.090
1999	165952	33375.386	24695.876	8679.509	5.230	26.006	2254.27	453.366	335.465	117.901
2000	160260	32024.754	22305.281	9719.474	6.065	30.350	2145.10	428.655	298.559	130.096
2001	154444	30682.393	19883.005	10799.39	6.992	35.197	2040.33	405.339	262.671	142.669
2002	151887	30218.370	18153.152	12065.22	7.944	39.927	1984.06	394.736	237.130	157.605
2003	146733	29175.202	16176.213	12998.99	8.859	44.555	1896.81	377.146	209.109	168.037
2004	138381	27488.687	14005.279	13483.41	9.744	49.051	1769.58	351.518	179.096	172.422
2005	135881	27017.439	12663.438	14354.00	10.564	53.129	1717.44	341.482	160.057	181.425
2006	131922	26231.435	11136.364	15095.07	11.442	57.546	1652.16	328.517	139.470	189.048
2007	126502	25103.049	9695.614	15407.44	12.180	61.377	1568.04	311.161	120.181	190.981
2008	125859	24621.740	8729.944	15891.80	12.627	64.544	1542.60	301.777	106.999	194.778
2009	122428	23741.177	7693.955	16047.22	13.107	67.592	1482.84	287.552	93.189	194.363
2010	120537	23189.160	6886.602	16302.56	13.525	70.302	1442.22	277.458	82.398	195.060
2011	120221	22786.927	6135.192	16651.74	13.851	73.076	1424.23	269.951	72.682	197.269
2012	120927	22485.295	5524.622	16960.67	14.026	75.430	1417.09	263.495	64.740	198.754
2013	122648	22251.884	5010.480	17241.40	14.058	77.483	1420.86	257.786	58.046	199.740
2014	123229	21894.593	4522.691	17371.90	14.097	79.343	1410.92	250.685	51.783	198.902
2015	123774	21471.109	4100.446	17370.66	14.034	80.902	1594.26	276.557	52.815	223.741
2016	126218	21411.568	3723.288	17688.28	14.014	82.611	1610.55	273.213	47.509	225.703
2017	128265	21169.399	3385.114	17784.28	13.865	84.009	1621.69	267.651	42.799	224.852
2018	121429	19830.576	2881.889	16948.69	13.958	85.467	1521.05	248.404	36.099	212.304
2019	121832	19431.014	2620.599	16810.42	13.798	86.513	1511.26	241.031	32.507	208.524
2020	120811	18532.612	2339.781	16192.83	13.403	87.375	1711.27	262.513	33.143	229.370
2021	119407	18234.128	2100.200	16133.93	13.512	88.482	1679.51	256.472	29.540	226.932
2022	119438	17812.559	1901.498	15911.06	13.322	89.325	1667.10	248.626	26.541	222.085
2023	119445	17361.668	1721.905	15639.76	13.094	90.082	1653.68	240.367	23.839	216.528
2024	119305	16929.676	1576.253	15353.42	12.869	90.689	1638.05	232.443	21.642	210.801
2025	115685	15501.666	1379.007	14122.66	12.208	91.104	1848.78	247.735	22.038	225.696
2026	115073	15523.814	1287.359	14236.45	12.372	91.707	1831.46	247.072	20.489	226.583
2027	113989	15073.070	1189.677	13883.39	12.180	92.107	1805.98	238.810	18.849	219.962
2028	112855	14636.710	1094.142	13542.57	12.000	92.525	1778.98	230.725	17.247	213.478
2029	111718	14180.166	1007.800	13172.37	11.791	92.893	1751.04	222.256	15.796	206.460
2030	104851	12111.772	843.808	11267.96	10.747	93.033	1963.54	226.816	15.802	211.014
2031	105289	12417.367	831.382	11585.98	11.004	93.305	1966.62	231.935	15.529	216.406
2032	103879	12054.064	780.657	11273.41	10.852	93.524	1933.67	224.381	14.532	209.849
2033	102485	11672.389	726.619	10945.77	10.680	93.775	1899.76	216.370	13.469	202.901
2034	101070	11365.762	680.162	10685.60	10.573	94.016	1864.51	209.673	12.547	197.125
2035	90820	8580.360	509.087	8071.273	8.887	94.067	2072.23	195.777	11.616	184.162
2036	92117	8948.841	510.297	8438.543	9.161	94.298	2101.31	204.135	11.641	192.495
2037	90327	8624.570	485.143	8139.427	9.011	94.375	2058.21	196.522	11.055	185.468
2038	88590	8315.017	454.753	7860.264	8.873	94.531	2014.42	189.073	10.340	178.732
2039	86921	8001.132	424.433	7576.698	8.717	94.695	1970.05	181.344	9.620	171.725

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	1489699	149918.462	69454.590	80463.87	5.401	53.672	431.236	43.398	20.106	23.293

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	0.000	
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.503	105.069	0.327	2.359	492.014	68.262	66.652	1.610
1993	32896	4462.473	4263.943	198.530	0.604	4.449	495.226	67.179	64.191	2.989
1994	33323	4499.513	4186.120	313.393	0.940	6.965	492.290	66.473	61.843	4.630
1995	33569	4472.774	4028.398	444.377	1.324	9.935	486.422	64.812	58.372	6.439
1996	33870	4406.878	3817.660	589.218	1.740	13.370	483.150	62.863	54.458	8.405
1997	33516	4288.158	3551.975	736.183	2.197	17.168	470.307	60.173	49.842	10.330
1998	32795	4120.148	3249.708	870.440	2.654	21.126	452.620	56.864	44.851	12.013
1999	33375	3982.443	2978.264	1004.178	3.009	25.215	453.361	54.097	40.456	13.641
2000	33459	4021.411	2840.977	1180.434	3.528	29.354	447.853	53.827	38.027	15.800
2001	32275	3848.092	2549.042	1299.050	4.025	33.758	426.379	50.836	33.675	17.162
2002	31586	3783.081	2345.461	1437.620	4.551	38.001	412.601	49.418	30.638	18.779
2003	30985	3754.415	2163.278	1591.137	5.135	42.380	400.541	48.533	27.965	20.569
2004	29884	3666.274	1959.163	1707.112	5.712	46.563	382.149	46.883	25.053	21.830
2005	28708	3589.688	1772.195	1817.493	6.331	50.631	362.850	45.371	22.399	22.972
2006	28188	3596.985	1628.141	1968.843	6.985	54.736	353.021	45.048	20.391	24.657
2007	28026	3560.798	1479.816	2080.981	7.425	58.441	347.392	44.137	18.343	25.795
2008	27128	3417.001	1303.661	2113.341	7.790	61.848	332.495	41.881	15.978	25.902
2009	27068	3394.390	1188.233	2206.157	8.150	64.994	327.847	41.113	14.392	26.721
2010	26911	3340.137	1077.096	2263.042	8.409	67.753	321.990	39.965	12.887	27.077
2011	26959	3285.435	972.511	2312.923	8.579	70.399	319.377	38.922	11.521	27.401
2012	27057	3259.209	878.978	2380.231	8.797	73.031	317.068	38.193	10.300	27.893
2013	27904	3274.703	808.644	2466.059	8.838	75.306	323.265	37.937	9.368	28.569
2014	28792	3298.083	743.337	2554.746	8.873	77.462	329.657	37.762	8.511	29.251
2015	29560	3244.406	675.711	2568.695	8.690	79.173	380.745	41.789	8.703	33.086
2016	30513	3314.836	631.762	2683.075	8.793	80.941	389.347	42.297	8.061	34.236
2017	31416	3333.314	582.690	2750.624	8.755	82.519	397.202	42.144	7.367	34.777
2018	29348	2925.242	474.221	2451.021	8.351	83.789	367.626	36.642	5.940	30.702
2019	29598	2864.628	430.014	2434.614	8.226	84.989	367.149	35.534	5.334	30.200
2020	29592	2730.366	381.760	2348.606	7.937	86.018	419.174	38.675	5.408	33.268
2021	30097	2647.911	343.420	2304.490	7.657	87.031	423.328	37.244	4.830	32.414
2022	30304	2586.165	309.948	2276.216	7.511	88.015	422.974	36.097	4.326	31.771
2023	30505	2517.960	280.177	2237.783	7.336	88.873	422.337	34.860	3.879	30.981
2024	30661	2454.161	255.579	2198.581	7.171	89.586	420.968	33.695	3.509	30.186
2025	30254	2275.364	223.553	2051.812	6.782	90.175	483.488	36.363	3.573	32.790
2026	30685	2183.166	201.626	1981.540	6.458	90.764	488.380	34.747	3.209	31.538
2027	30561	2112.345	184.557	1927.788	6.308	91.263	484.196	33.467	2.924	30.543
2028	30412	2046.677	169.117	1877.560	6.174	91.737	479.392	32.263	2.666	29.597
2029	30254	1977.671	154.808	1822.864	6.025	92.172	474.195	30.997	2.426	28.571
2030	29330	1744.457	131.489	1612.968	5.499	92.462	549.260	32.668	2.462	30.206
2031	28976	1653.738	119.636	1534.101	5.294	92.766	541.223	30.889	2.235	28.654
2032	28724	1603.120	110.420	1492.701	5.197	93.112	534.690	29.841	2.055	27.786
2033	28464	1548.245	102.192	1446.052	5.080	93.399	527.627	28.700	1.894	26.805
2034	28178	1511.985	95.610	1416.374	5.026	93.676	519.826	27.893	1.764	26.129
2035	26737	1239.866	76.636	1163.230	4.351	93.819	610.065	28.290	1.749	26.541
2036	25591	1182.522	70.269	1112.253	4.346	94.058	583.762	26.975	1.603	25.372
2037	25143	1134.483	66.321	1068.162	4.248	94.154	572.916	25.851	1.511	24.339
2038	24693	1093.537	61.908	1031.628	4.178	94.339	561.491	24.866	1.408	23.458
2039	24247	1047.905	57.384	990.521	4.085	94.524	549.553	23.751	1.301	22.450

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	2233143	1015606.587	676064.248	339542.3	15.205	33.432	646.447	293.996	195.706	98.290

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	0.346
1992	33942	19056.189	18998.226	57.963	0.171	0.304	520.248	292.085	0.888
1993	35913	20095.670	19976.892	118.777	0.331	0.591	540.645	302.526	1.788
1994	35074	19524.095	19342.059	182.036	0.519	0.932	518.158	288.435	2.689
1995	34669	19116.002	18854.921	261.081	0.753	1.366	502.362	276.995	3.783
1996	34582	18975.021	18617.848	357.173	1.033	1.882	493.306	270.675	5.095
1997	35267	19169.025	18694.000	475.024	1.347	2.478	494.878	268.986	6.666
1998	35675	19228.937	18616.560	612.377	1.717	3.185	492.368	265.388	8.452
1999	38516	20589.820	19784.145	805.675	2.092	3.913	523.195	279.689	10.944
2000	36283	19196.417	18283.678	912.740	2.516	4.755	485.652	256.946	12.217
2001	36281	19012.731	17906.558	1106.173	3.049	5.818	479.301	251.174	14.613
2002	35983	18699.357	17404.088	1295.269	3.600	6.927	470.038	244.265	16.920
2003	36205	18663.550	17150.349	1513.201	4.180	8.108	468.019	241.262	19.561
2004	34611	17679.164	16000.890	1678.274	4.849	9.493	442.596	226.076	21.461
2005	36826	18692.832	16663.297	2029.535	5.511	10.857	465.456	236.265	25.652
2006	34350	17308.564	15152.645	2155.918	6.276	12.456	430.192	216.769	27.000
2007	35326	17683.181	15187.007	2496.174	7.066	14.116	437.879	219.189	30.941
2008	38248	19006.374	16025.701	2980.673	7.793	15.682	468.788	232.952	36.533
2009	36902	18205.573	14999.036	3206.536	8.689	17.613	446.956	220.505	38.837
2010	37234	18237.758	14720.578	3517.181	9.446	19.285	445.505	218.215	42.083
2011	38093	18487.916	14518.263	3969.653	10.421	21.472	451.279	219.022	47.028
2012	38504	18491.158	14139.901	4351.258	11.301	23.532	451.211	216.689	50.990
2013	40290	19143.452	14263.856	4879.596	12.111	25.490	466.755	221.775	56.530
2014	40339	18992.005	13744.156	5247.849	13.009	27.632	461.866	217.451	60.086
2015	42303	19728.885	13940.875	5788.010	13.682	29.338	544.880	254.116	74.552
2016	43104	19876.724	13632.238	6244.487	14.487	31.416	550.009	253.628	79.680
2017	44107	20119.790	13371.578	6748.212	15.300	33.540	557.659	254.381	85.320
2018	45469	20535.123	13216.487	7318.636	16.096	35.640	569.564	257.229	91.675
2019	46963	21009.029	13090.371	7918.658	16.861	37.692	582.552	260.605	98.226
2020	48419	21428.512	12931.840	8496.671	17.548	39.651	685.853	303.533	120.355
2021	48463	21266.697	12329.544	8937.154	18.441	42.024	681.652	299.127	125.706
2022	49915	21663.568	12076.645	9586.923	19.206	44.254	696.712	302.378	133.813
2023	51391	22084.131	11830.024	10254.11	19.953	46.432	711.491	305.748	141.965
2024	52811	22418.456	11562.130	10856.33	20.557	48.426	725.093	307.804	149.057
2025	53848	22614.834	11232.867	11381.97	21.137	50.330	860.553	361.411	181.897
2026	54342	22571.522	10730.330	11841.19	21.790	52.461	864.886	359.241	188.461
2027	55267	22774.416	10335.786	12438.63	22.507	54.617	875.619	360.827	197.072
2028	56149	22915.561	9895.246	13020.31	23.189	56.819	885.102	361.228	205.245
2029	57014	22992.027	9449.814	13542.21	23.753	58.900	893.616	360.371	212.257
2030	57238	22895.360	9000.581	13894.78	24.275	60.688	1071.90	428.760	260.206
2031	57592	22715.871	8523.120	14192.75	24.644	62.479	1075.71	424.293	265.096
2032	58251	22759.207	8092.252	14666.96	25.179	64.444	1084.31	423.652	273.018
2033	58885	22786.258	7686.027	15100.23	25.644	66.269	1091.54	422.387	279.912
2034	59460	22806.106	7276.430	15529.68	26.118	68.094	1096.89	420.721	286.487
2035	58516	22262.998	6818.521	15444.48	26.394	69.373	1335.15	507.973	352.395
2036	56446	21140.051	6007.886	15132.17	26.808	71.581	1287.60	482.234	345.185
2037	56568	21011.845	5581.213	15430.63	27.278	73.438	1288.98	478.783	351.608
2038	56668	20787.483	5159.215	15628.27	27.579	75.181	1288.55	472.681	355.367
2039	56758	20709.267	4792.687	15916.58	28.043	76.857	1286.40	469.372	360.747

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13291591	4509390.583	3000091.714	1509299	11.355	33.470	3815.58	1305.37	861.227	444.144

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308580	122014.015	120878.372	1135.643	0.368	0.931	4729.74	1870.18	1852.76	17.419
1993	311723	122810.618	120679.233	2131.385	0.684	1.736	4692.65	1848.83	1816.70	32.131
1994	305723	119925.592	116651.321	3274.271	1.071	2.730	4516.28	1771.69	1723.22	48.470
1995	303268	117896.496	113286.774	4609.722	1.520	3.910	4393.95	1708.35	1641.38	66.971
1996	299629	115698.645	109619.250	6079.395	2.029	5.255	4273.40	1650.42	1563.42	86.996
1997	294330	113359.847	105803.053	7556.793	2.567	6.666	4129.04	1590.70	1484.27	106.433
1998	289405	111444.212	102408.238	9035.974	3.122	8.108	3992.71	1538.10	1412.86	125.242
1999	311218	114877.722	102791.236	12086.49	3.884	10.521	4225.39	1560.48	1395.59	164.889
2000	304071	112379.704	98598.412	13781.29	4.532	12.263	4067.26	1504.22	1318.85	185.362
2001	296654	110024.943	94430.543	15594.40	5.257	14.174	3915.60	1453.52	1246.41	207.108
2002	292345	108289.173	90659.630	17629.54	6.030	16.280	3814.65	1414.56	1182.97	231.589
2003	286406	106539.023	87113.967	19425.06	6.782	18.233	3697.37	1377.22	1124.60	252.620
2004	274805	103037.251	82301.532	20735.72	7.546	20.124	3508.45	1317.61	1050.75	266.864
2005	273120	103044.562	80418.338	22626.22	8.284	21.958	3445.47	1302.41	1014.50	287.918
2006	264961	99672.555	75431.368	24241.19	9.149	24.321	3310.95	1248.28	942.590	305.689
2007	259376	97839.152	72248.665	25590.49	9.866	26.156	3206.84	1212.75	893.259	319.492
2008	260563	98075.852	70776.285	27299.57	10.477	27.835	3184.31	1202.07	864.949	337.121
2009	255134	95617.338	67126.737	28490.60	11.167	29.796	3080.04	1158.11	810.369	347.744
2010	253248	94607.988	64779.885	29828.10	11.778	31.528	3019.01	1131.98	772.251	359.733
2011	253310	93633.119	62161.115	31472.00	12.424	33.612	2988.73	1109.25	733.421	375.828
2012	254350	92775.175	59692.100	33083.07	13.007	35.659	2967.32	1087.19	696.383	390.807
2013	258091	92345.780	57613.727	34732.05	13.457	37.611	2975.36	1069.82	664.189	405.627
2014	259513	91379.215	55268.571	36110.64	13.915	39.517	2955.52	1046.26	629.437	416.819
2015	262135	90750.242	53404.822	37345.42	14.247	41.152	3354.48	1168.90	683.409	485.492
2016	264033	88811.996	50175.865	38636.13	14.633	43.503	3345.44	1133.24	635.755	497.490
2017	266514	87325.126	47554.016	39771.11	14.923	45.544	3344.19	1104.08	596.703	507.376
2018	261706	87612.144	46829.528	40782.62	15.583	46.549	3251.71	1097.46	581.858	515.599
2019	264699	87797.760	45522.403	42275.36	15.971	48.151	3255.10	1089.08	559.806	529.276
2020	265832	87221.042	44096.321	43124.72	16.223	49.443	3726.41	1235.48	618.139	617.340
2021	258761	82001.292	39293.787	42707.50	16.505	52.082	3599.50	1153.39	546.596	606.793
2022	261054	81915.977	37828.223	44087.75	16.888	53.821	3601.32	1143.37	521.852	621.523
2023	263324	81810.810	36397.862	45412.95	17.246	55.510	3600.85	1132.64	497.726	634.919
2024	265258	81528.303	34976.511	46551.79	17.550	57.099	3594.89	1119.38	474.016	645.362
2025	262128	79599.213	33323.106	46276.11	17.654	58.136	4125.09	1272.09	524.404	747.684
2026	256491	75082.462	29623.674	45458.79	17.723	60.545	4016.78	1194.99	463.921	731.067
2027	256212	74444.425	28128.841	46315.58	18.077	62.215	3991.25	1179.46	438.189	741.271
2028	255772	73699.585	26561.223	47138.36	18.430	63.960	3961.32	1161.76	411.373	750.387
2029	255279	72819.703	25045.235	47774.47	18.715	65.607	3928.26	1141.36	385.399	755.958
2030	246483	69309.277	23372.705	45936.57	18.637	66.278	4518.46	1297.95	428.462	869.487
2031	241508	65433.368	20697.468	44735.90	18.524	68.369	4411.92	1222.18	378.106	844.075
2032	240319	64643.552	19449.737	45193.81	18.806	69.912	4371.58	1203.31	353.804	849.504
2033	239097	63793.514	18271.963	45521.55	19.039	71.358	4327.62	1182.54	330.720	851.817
2034	237732	63032.151	17141.602	45890.55	19.303	72.805	4278.70	1162.80	308.514	854.287
2035	222604	57653.301	15652.005	42001.30	18.868	72.852	4939.37	1315.47	347.304	968.167
2036	214892	52988.733	13075.353	39913.38	18.574	75.324	4762.67	1208.75	289.790	918.956
2037	212346	52026.921	12104.651	39922.27	18.801	76.734	4697.00	1185.50	267.750	917.753
2038	209829	50943.211	11151.086	39792.13	18.964	78.111	4627.68	1158.38	245.932	912.451
2039	207383	50085.991	10327.057	39758.93	19.172	79.381	4555.05	1135.19	226.828	908.363

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3095735	2244988.113	1732435.184	512552.9	16.557	22.831	888.683	649.875	497.325	152.551

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77988	62366.766	62238.153	128.612	0.165	0.206	1195.35	955.930	953.952	1.978
1993	78545	62652.888	62400.587	252.301	0.321	0.403	1182.40	943.195	939.373	3.821
1994	77443	61565.227	61168.657	396.570	0.512	0.644	1144.02	909.520	903.610	5.910
1995	76915	60851.961	60276.727	575.234	0.748	0.945	1114.40	881.759	873.330	8.428
1996	76251	60122.922	59322.957	799.964	1.049	1.331	1087.51	857.643	846.083	11.560
1997	75501	59237.155	58196.638	1040.517	1.378	1.757	1059.17	831.234	816.417	14.818
1998	75421	58906.696	57567.786	1338.910	1.775	2.273	1040.53	813.001	794.223	18.778
1999	73212	56930.073	55298.939	1631.134	2.228	2.865	993.996	773.329	750.791	22.538
2000	73856	57137.121	55126.381	2010.740	2.723	3.519	987.900	764.787	737.371	27.416
2001	73387	56481.726	54041.471	2440.255	3.325	4.320	968.647	746.169	713.306	32.863
2002	72557	55588.365	52697.234	2891.131	3.985	5.201	946.763	726.138	687.617	38.521
2003	72083	54945.856	51555.170	3390.687	4.704	6.171	930.560	710.281	665.554	44.727
2004	71470	54203.126	50261.187	3941.939	5.516	7.273	912.463	693.135	641.688	51.447
2005	71164	53744.603	49232.909	4511.695	6.340	8.395	897.747	679.296	621.084	58.211
2006	69888	52535.572	47423.399	5112.172	7.315	9.731	873.316	657.945	592.602	65.343
2007	68827	51492.124	45787.007	5705.117	8.289	11.080	850.955	638.264	566.096	72.168
2008	68524	51030.736	44604.638	6426.098	9.378	12.593	837.430	625.460	545.109	80.352
2009	67845	50276.199	43128.231	7147.968	10.536	14.217	819.037	608.943	520.654	88.290
2010	67572	49840.933	41970.076	7870.857	11.648	15.792	805.541	596.347	500.332	96.015
2011	66923	49072.841	40401.310	8671.531	12.958	17.671	789.600	581.354	476.684	104.671
2012	66614	48539.512	39007.168	9532.344	14.310	19.638	777.141	568.812	455.067	113.745
2013	65835	47675.741	37377.427	10298.31	15.643	21.601	758.962	552.318	430.899	121.419
2014	65583	47194.534	36098.354	11096.18	16.919	23.512	746.910	540.359	411.113	129.246
2015	64740	46305.842	34514.546	11791.30	18.213	25.464	828.461	596.439	441.675	154.764
2016	62241	44208.867	32006.830	12202.04	19.605	27.601	788.626	564.107	405.544	158.563
2017	60555	42702.624	30023.998	12678.63	20.937	29.691	759.837	539.903	376.738	163.164
2018	63208	44321.202	30059.854	14261.35	22.562	32.177	785.365	555.181	373.494	181.687
2019	63850	44493.088	29174.010	15319.08	23.992	34.430	785.192	551.912	358.764	193.148
2020	64340	44529.551	28225.433	16304.12	25.341	36.614	901.911	630.757	395.662	235.095
2021	57957	39852.556	24300.359	15552.20	26.834	39.024	806.208	560.546	338.030	222.516
2022	58345	39853.685	23312.657	16541.03	28.351	41.504	804.883	556.274	321.605	234.668
2023	58705	39847.050	22331.076	17515.97	29.837	43.958	802.773	551.670	305.368	246.301
2024	58973	39726.010	21340.678	18385.33	31.176	46.280	799.228	545.435	289.218	256.218
2025	58614	39207.348	20239.965	18967.38	32.360	48.377	922.409	626.579	318.515	308.064
2026	52463	34803.960	17154.024	17649.94	33.643	50.712	821.590	553.929	268.641	285.288
2027	52258	34484.595	16165.304	18319.29	35.056	53.123	814.065	546.357	251.822	294.535
2028	52007	34100.638	15147.503	18953.14	36.444	55.580	805.464	537.544	234.600	302.943
2029	51727	33669.838	14176.878	19492.96	37.684	57.894	795.988	527.732	218.155	309.577
2030	50338	32557.688	13141.046	19416.64	38.572	59.638	922.791	609.705	240.898	368.807
2031	44723	28646.393	10969.031	17677.36	39.526	61.709	817.016	535.065	200.385	334.680
2032	44341	28227.160	10213.930	18013.23	40.625	63.815	806.589	525.435	185.799	339.636
2033	43943	27786.623	9506.575	18280.05	41.600	65.787	795.353	515.079	172.068	343.011
2034	43511	27348.299	8841.459	18506.84	42.534	67.671	783.102	504.514	159.128	345.386
2035	41007	25570.077	8006.028	17564.05	42.832	68.690	909.915	583.430	177.646	405.784
2036	35130	21717.319	6264.499	15452.82	43.988	71.154	778.583	495.402	138.841	356.561
2037	34573	21256.024	5757.300	15498.72	44.829	72.915	764.734	484.347	127.349	356.998
2038	34020	20747.175	5269.270	15477.90	45.496	74.602	750.299	471.764	116.211	355.553
2039	33479	20327.688	4854.503	15473.18	46.217	76.119	735.353	460.724	106.627	354.097

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6423097	1098877.421	515985.947	582891.5	9.075	53.044	1843.86	318.101	148.123	169.979

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164549	36137.488	35293.284	844.204	0.513	2.336	2522.12	553.899	540.956	12.943
1993	164367	35599.588	34037.050	1562.537	0.951	4.389	2474.37	535.926	512.391	23.535
1994	159878	34336.757	31952.722	2384.035	1.491	6.943	2361.79	507.267	472.020	35.247
1995	158105	33455.759	30123.540	3332.219	2.108	9.960	2290.74	484.782	436.450	48.331
1996	154911	32193.824	27855.627	4338.197	2.800	13.475	2209.39	459.239	397.286	61.953
1997	150023	30665.509	25352.644	5312.866	3.541	17.325	2104.61	430.308	355.662	74.646
1998	145480	29188.430	22963.216	6225.215	4.279	21.328	2007.09	402.844	316.808	86.036
1999	166067	33375.386	24714.219	8661.166	5.215	25.951	2254.68	453.366	335.544	117.822
2000	160410	32024.754	22327.695	9697.059	6.045	30.280	2145.65	428.655	298.656	130.000
2001	154631	30682.393	19908.829	10773.56	6.967	35.113	2041.01	405.339	262.781	142.558
2002	152119	30218.370	18182.799	12035.57	7.912	39.829	1984.91	394.736	237.257	157.478
2003	147009	29175.202	16208.692	12966.51	8.820	44.444	1897.82	377.146	209.247	167.899
2004	138696	27488.687	14039.182	13449.50	9.697	48.927	1770.73	351.518	179.239	172.279
2005	136248	27017.439	12699.670	14317.77	10.509	52.995	1718.80	341.482	160.209	181.273
2006	132339	26231.435	11173.459	15057.98	11.378	57.404	1653.71	328.517	139.623	188.894
2007	126966	25103.049	9732.836	15370.21	12.106	61.228	1569.76	311.161	120.334	190.828
2008	126388	24621.740	8768.228	15853.51	12.544	64.388	1544.57	301.777	107.156	194.622
2009	123013	23741.177	7732.187	16008.99	13.014	67.431	1485.04	287.552	93.345	194.208
2010	121184	23189.160	6924.921	16264.24	13.421	70.137	1444.65	277.458	82.553	194.905
2011	120941	22786.927	6173.135	16613.79	13.727	72.909	1426.95	269.951	72.835	197.116
2012	121732	22485.295	5562.439	16922.86	13.902	75.262	1420.16	263.495	64.893	198.602
2013	123551	22251.884	5048.217	17203.67	13.924	77.313	1424.34	257.786	58.197	199.588
2014	124228	21894.593	4560.026	17334.57	13.954	79.173	1414.79	250.685	51.933	198.752
2015	124877	21471.109	4137.486	17333.62	13.881	80.730	1598.02	276.557	52.946	223.611
2016	127444	21411.568	3759.785	17651.78	13.851	82.440	1614.78	273.213	47.638	225.574
2017	129619	21169.399	3420.989	17748.41	13.693	83.840	1626.45	267.651	42.926	224.725
2018	122801	19830.576	2914.378	16916.20	13.775	85.304	1525.80	248.404	36.211	212.193
2019	123315	19431.014	2652.241	16778.77	13.606	86.350	1516.46	241.031	32.616	208.415
2020	122409	18532.612	2370.424	16162.19	13.203	87.209	1715.92	262.513	33.228	229.285
2021	121084	18234.128	2129.098	16105.03	13.301	88.324	1684.34	256.472	29.617	226.855
2022	121226	17812.559	1929.084	15883.47	13.102	89.170	1672.35	248.626	26.612	222.014
2023	121347	17361.668	1748.226	15613.44	12.867	89.931	1659.37	240.367	23.906	216.461
2024	121322	16929.676	1601.640	15328.04	12.634	90.539	1644.20	232.443	21.706	210.737
2025	117804	15501.666	1403.202	14098.46	11.968	90.948	1853.88	247.735	22.082	225.652
2026	117276	15523.814	1310.553	14213.26	12.120	91.558	1836.60	247.072	20.524	226.548
2027	116288	15073.070	1212.004	13861.07	11.920	91.959	1811.52	238.810	18.881	219.930
2028	115249	14636.710	1115.579	13521.13	11.732	92.378	1784.94	230.725	17.278	213.447
2029	114208	14180.166	1028.402	13151.76	11.516	92.748	1757.44	222.256	15.825	206.431
2030	107388	12111.772	862.943	11248.83	10.475	92.875	1968.61	226.816	15.819	210.997
2031	107922	12417.367	850.473	11566.89	10.718	93.151	1971.55	231.935	15.537	216.398
2032	106591	12054.064	799.119	11254.95	10.559	93.371	1938.96	224.381	14.537	209.844
2033	105274	11672.389	744.445	10927.94	10.381	93.622	1905.44	216.370	13.474	202.896
2034	103932	11365.762	697.531	10668.23	10.265	93.863	1870.56	209.673	12.554	197.118
2035	93613	8580.360	523.965	8056.395	8.606	93.893	2077.20	195.777	11.626	184.151
2036	95008	8948.841	525.294	8423.546	8.866	94.130	2105.67	204.135	11.642	192.493
2037	93258	8624.570	499.799	8124.771	8.712	94.205	2062.82	196.522	11.055	185.467
2038	91558	8315.017	468.896	7846.121	8.570	94.361	2019.27	189.073	10.341	178.732
2039	89924	8001.132	438.035	7563.096	8.411	94.525	1975.14	181.344	9.621	171.723

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1506818	149918.462	69626.988	80291.47	5.329	53.557	432.558	43.398	19.988	23.411

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.544	105.028	0.327	2.358	492.015	68.262	66.652	1.610
1993	32897	4462.473	4264.087	198.386	0.603	4.446	495.229	67.179	64.191	2.988
1994	33325	4499.513	4186.454	313.060	0.939	6.958	492.297	66.473	61.844	4.628
1995	33574	4472.774	4029.000	443.774	1.322	9.922	486.436	64.812	58.375	6.437
1996	33877	4406.878	3818.606	588.273	1.736	13.349	483.172	62.863	54.462	8.401
1997	33527	4288.158	3553.316	734.842	2.192	17.137	470.341	60.173	49.848	10.325
1998	32811	4120.148	3251.461	868.687	2.648	21.084	452.668	56.864	44.858	12.006
1999	33397	3982.443	2980.445	1001.997	3.000	25.160	453.430	54.097	40.465	13.632
2000	33489	4021.411	2843.794	1177.617	3.516	29.284	447.949	53.827	38.039	15.788
2001	32312	3848.092	2552.295	1295.798	4.010	33.674	426.499	50.836	33.688	17.148
2002	31632	3783.081	2349.231	1433.850	4.533	37.902	412.754	49.418	30.654	18.764
2003	31041	3754.415	2167.503	1586.912	5.112	42.268	400.725	48.533	27.981	20.552
2004	29950	3666.274	1963.772	1702.503	5.685	46.437	382.370	46.883	25.072	21.812
2005	28783	3589.688	1777.110	1812.578	6.297	50.494	363.108	45.371	22.419	22.953
2006	28275	3596.985	1633.384	1963.600	6.945	54.590	353.323	45.048	20.411	24.637
2007	28126	3560.798	1485.286	2075.512	7.379	58.288	347.744	44.137	18.364	25.774
2008	27239	3417.001	1309.141	2107.861	7.738	61.687	332.889	41.881	15.999	25.882
2009	27195	3394.390	1193.868	2200.521	8.092	64.828	328.299	41.113	14.413	26.700
2010	27053	3340.137	1082.814	2257.323	8.344	67.582	322.502	39.965	12.908	27.056
2011	27118	3285.435	978.273	2307.162	8.508	70.224	319.963	38.922	11.542	27.379
2012	27235	3259.209	884.687	2374.522	8.719	72.856	317.728	38.193	10.321	27.872
2013	28108	3274.703	814.428	2460.275	8.753	75.130	324.033	37.937	9.389	28.548
2014	29023	3298.083	749.120	2548.963	8.783	77.286	330.534	37.762	8.532	29.230
2015	29822	3244.406	681.501	2562.905	8.594	78.995	381.629	41.789	8.721	33.068
2016	30808	3314.836	637.604	2677.232	8.690	80.765	390.349	42.297	8.079	34.219
2017	31746	3333.314	588.504	2744.809	8.646	82.345	398.345	42.144	7.384	34.760
2018	29685	2925.242	479.393	2445.848	8.239	83.612	368.841	36.642	5.956	30.686
2019	29965	2864.628	435.033	2429.595	8.108	84.814	368.492	35.534	5.350	30.184
2020	29991	2730.366	386.603	2343.763	7.815	85.841	420.407	38.675	5.419	33.256
2021	30533	2647.911	348.066	2299.845	7.532	86.855	424.728	37.244	4.842	32.402
2022	30772	2586.165	314.377	2271.788	7.383	87.844	424.509	36.097	4.337	31.760
2023	31008	2517.960	284.404	2233.557	7.203	88.705	424.016	34.860	3.889	30.971
2024	31197	2454.161	259.644	2194.516	7.034	89.420	422.800	33.695	3.519	30.177
2025	30823	2275.364	227.419	2047.946	6.644	90.005	485.063	36.363	3.579	32.784
2026	31298	2183.166	205.286	1977.880	6.319	90.597	490.149	34.747	3.215	31.532
2027	31206	2112.345	188.056	1924.289	6.167	91.097	486.118	33.467	2.930	30.537
2028	31088	2046.677	172.470	1874.206	6.029	91.573	481.475	32.263	2.671	29.592
2029	30962	1977.671	158.003	1819.668	5.877	92.011	476.446	30.997	2.431	28.566
2030	30064	1744.457	134.459	1609.998	5.355	92.292	551.116	32.668	2.465	30.203
2031	29736	1653.738	122.432	1531.305	5.150	92.597	543.227	30.889	2.237	28.652
2032	29513	1603.120	113.081	1490.039	5.049	92.946	536.857	29.841	2.057	27.784
2033	29280	1548.245	104.744	1443.501	4.930	93.235	529.961	28.700	1.896	26.804
2034	29022	1511.985	98.088	1413.897	4.872	93.513	522.330	27.893	1.765	26.127
2035	27589	1239.866	78.834	1161.031	4.208	93.642	612.164	28.290	1.749	26.541
2036	26436	1182.522	72.332	1110.190	4.199	93.883	585.910	26.975	1.603	25.372
2037	26003	1134.483	68.323	1066.161	4.100	93.978	575.186	25.851	1.511	24.339
2038	25568	1093.537	63.828	1029.708	4.027	94.163	563.887	24.866	1.408	23.458
2039	25135	1047.905	59.210	988.694	3.934	94.350	552.071	23.751	1.301	22.450

Results for PHIM for Run 3 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 3, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2265940	1015606.587	682043.595	333563.0	14.721	32.844	650.477	293.996	195.792	98.204

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.391	57.798	0.170	0.303	520.249	292.085	291.197	0.888
1993	35914	20095.670	19977.509	118.161	0.329	0.588	540.648	302.526	300.740	1.786
1994	35077	19524.095	19343.488	180.607	0.515	0.925	518.166	288.435	285.750	2.684
1995	34674	19116.002	18857.507	258.495	0.746	1.352	502.376	276.995	273.220	3.775
1996	34590	18975.021	18622.060	352.962	1.020	1.860	493.330	270.675	265.594	5.082
1997	35279	19169.025	18700.456	468.569	1.328	2.444	494.916	268.986	262.341	6.645
1998	35693	19228.937	18625.775	603.162	1.690	3.137	492.425	265.388	256.967	8.421
1999	38542	20589.820	19797.632	792.188	2.055	3.847	523.284	279.689	268.792	10.897
2000	36316	19196.417	18300.541	895.876	2.467	4.667	485.767	256.946	244.788	12.158
2001	36324	19012.731	17927.949	1084.782	2.986	5.706	479.449	251.174	236.635	14.538
2002	36037	18699.357	17430.366	1268.992	3.521	6.786	470.226	244.265	227.439	16.826
2003	36273	18663.550	17182.603	1480.947	4.083	7.935	468.262	241.262	221.820	19.443
2004	34689	17679.164	16037.391	1641.773	4.733	9.286	442.880	226.076	204.750	21.326
2005	36925	18692.832	16708.650	1984.182	5.373	10.615	465.823	236.265	210.783	25.481
2006	34459	17308.564	15201.125	2107.439	6.116	12.176	430.601	216.769	189.953	26.816
2007	35457	17683.181	15243.536	2439.646	6.881	13.796	438.377	219.189	188.466	30.723
2008	38411	19006.374	16094.279	2912.095	7.581	15.322	469.416	232.952	196.686	36.266
2009	37082	18205.573	15072.450	3133.122	8.449	17.210	447.660	220.505	181.958	38.547
2010	37439	18237.758	14802.074	3435.684	9.177	18.838	446.316	218.215	176.458	41.757
2011	38328	18487.916	14608.397	3879.519	10.122	20.984	452.222	219.022	172.360	46.662
2012	38769	18491.158	14237.806	4253.352	10.971	23.002	452.285	216.689	166.102	50.588
2013	40598	19143.452	14373.655	4769.798	11.749	24.916	468.022	221.775	165.704	56.071
2014	40679	18992.005	13861.072	5130.933	12.613	27.016	463.279	217.451	157.860	59.591
2015	42696	19728.885	14071.289	5657.595	13.251	28.677	546.367	254.116	180.067	74.049
2016	43541	19876.724	13771.647	6105.077	14.022	30.715	551.684	253.628	174.494	79.134
2017	44594	20119.790	13520.525	6599.265	14.799	32.800	559.560	254.381	169.654	84.727
2018	46012	20535.123	13375.903	7159.220	15.560	34.863	571.698	257.229	166.196	91.033
2019	47568	21009.029	13261.119	7747.910	16.288	36.879	584.965	260.605	163.077	97.528
2020	49093	21428.512	13113.860	8314.652	16.937	38.802	688.179	303.533	183.829	119.704
2021	49187	21266.697	12516.264	8750.433	17.790	41.146	684.218	299.127	174.107	125.019
2022	50712	21663.568	12272.104	9391.464	18.519	43.351	699.582	302.378	169.298	133.080
2023	52264	22084.131	12034.156	10049.98	19.229	45.508	714.693	305.748	164.562	141.186
2024	53766	22418.456	11774.548	10643.91	19.797	47.478	728.657	307.804	159.573	148.230
2025	54886	22614.834	11452.520	11162.31	20.337	49.358	863.738	361.411	180.228	181.184
2026	55454	22571.522	10953.810	11617.71	20.950	51.471	868.439	359.241	171.542	187.699
2027	56461	22774.416	10563.477	12210.94	21.627	53.617	879.550	360.827	164.557	196.269
2028	57429	22915.561	10125.670	12789.89	22.271	55.813	889.440	361.228	156.824	204.405
2029	58382	22992.027	9681.953	13310.07	22.798	57.890	898.389	360.371	148.987	211.384
2030	58693	22895.360	9234.256	13661.10	23.275	59.668	1075.95	428.760	169.280	259.480
2031	59126	22715.871	8755.532	13960.34	23.611	61.456	1080.13	424.293	159.948	264.345
2032	59875	22759.207	8323.607	14435.60	24.110	63.428	1089.17	423.652	151.412	272.239
2033	60601	22786.258	7916.199	14870.06	24.538	65.259	1096.86	422.387	143.282	279.105
2034	61268	22806.106	7504.525	15301.58	24.975	67.094	1102.71	420.721	135.066	285.655
2035	60394	22262.998	7043.178	15219.82	25.201	68.364	1340.10	507.973	156.282	351.691
2036	58318	21140.051	6213.228	14926.82	25.596	70.609	1292.51	482.234	137.704	344.529
2037	58512	21011.845	5779.230	15232.62	26.033	72.495	1294.26	478.783	127.834	350.949
2038	58683	20787.483	5349.091	15438.39	26.308	74.268	1294.23	472.681	117.972	354.709
2039	58844	20709.267	4975.309	15733.96	26.738	75.975	1292.49	469.372	109.280	360.092

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Control File Details for Run: 4

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S4B
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_4
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 4, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 4, Scenario: Ecig

Variable Parameter

Value

- 1. Country
 - 2. Sex
 - 3. Assumption Set
- Note:

US (United States)
 F (Females)
 S4B
 Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.001409	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.001301	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000103	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000052	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000026	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.002157	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.002037	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000048	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000024	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000012	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.002381	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.001834	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.000876	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000428	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000067	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.002039	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.001848	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.000889	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000206	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000094	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.001324	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.001590	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.000769	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000378	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000188	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.000663	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.001281	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000016	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000052	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000026	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 4, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 4, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			F (Females)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	51124	55.79					
5	All Ages	CC	10663	11.64	0	0.00			
5	All Ages	Ecig	11477	12.52					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18375	20.05			14.20	1115	6.07
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2530	79.66					
5	18-19	CC	235	7.40	0	0.00			
5	18-19	Ecig	339	10.67					
5	18-19	Dual	0	0.00					
5	18-19	Former	72	2.27			1.18	45	62.50
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5926	70.97					
5	20-24	CC	864	10.35	0	0.00			
5	20-24	Ecig	1127	13.50					
5	20-24	Dual	0	0.00					
5	20-24	Former	433	5.19			3.28	99	22.86
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5316	60.46					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1392	15.83					
5	25-29	Dual	0	0.00					
5	25-29	Former	1023	11.63			5.94	54	5.28
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

5	30-34	Never Any	5307	52.66					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1799	17.85					
5	30-34	Dual	0	0.00					
5	30-34	Former	1599	15.87			8.16	67	4.19
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5281	50.30					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1743	16.60					
5	35-39	Dual	0	0.00					
5	35-39	Former	2065	19.67			8.75	62	3.00
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1356	14.13					
5	40-44	Dual	0	0.00					
5	40-44	Former	2091	21.78			12.09	81	3.87
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1161	13.66					
5	45-49	Dual	0	0.00					
5	45-49	Former	2006	23.61			10.93	133	6.63
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	826	12.64					
5	50-54	Dual	0	0.00					
5	50-54	Former	1855	28.38			14.92	140	7.55
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	627	11.33					
5	55-59	Dual	0	0.00					
5	55-59	Former	1501	27.12			15.84	93	6.20
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	444	8.43					
5	60-64	Dual	0	0.00					
5	60-64	Former	1455	27.64			19.22	87	5.98
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	374	6.77					
5	65-69	Dual	0	0.00					
5	65-69	Former	1470	26.61			19.34	107	7.28
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	188	3.55					
5	70-74	Dual	0	0.00					
5	70-74	Former	1496	28.21			22.32	77	5.15
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	101	2.25					
5	75-79	Dual	0	0.00					
5	75-79	Former	1309	29.19			25.87	70	5.35
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	51012	55.50					
10	All Ages	CC	4609	5.01	0	0.00			
10	All Ages	Ecig	15157	16.49					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21130	22.99			15.17	1684	7.97
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	5495	69.29					
10	20-24	CC	384	4.84	0	0.00			
10	20-24	Ecig	1481	18.68					
10	20-24	Dual	0	0.00					
10	20-24	Former	570	7.19			3.56	147	25.79
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5683	68.06					
10	25-29	CC	400	4.79	0	0.00			
10	25-29	Ecig	1532	18.35					
10	25-29	Dual	0	0.00					
10	25-29	Former	735	8.80			5.67	117	15.92
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5236	59.55					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1887	21.46					
10	30-34	Dual	0	0.00					
10	30-34	Former	1253	14.25			9.28	90	7.18
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5291	52.50					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2407	23.88					
10	35-39	Dual	0	0.00					
10	35-39	Former	1819	18.05			11.78	104	5.72
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5281	50.30					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2289	21.80					
10	40-44	Dual	0	0.00					
10	40-44	Former	2345	22.34			12.30	143	6.10
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1673	17.43					
10	45-49	Dual	0	0.00					
10	45-49	Former	2463	25.66			14.76	181	7.35
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1299	15.29					
10	50-54	Dual	0	0.00					
10	50-54	Former	2464	29.00			13.32	188	7.63
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	912	13.95					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2225	34.04			16.92	157	7.06
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		663	11.98					
10	60-64	Dual		0	0.00					
10	60-64	Former		1853	33.48			17.23	149	8.04
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		443	8.42					
10	65-69	Dual		0	0.00					
10	65-69	Former		1809	34.37			19.85	146	8.07
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		368	6.66					
10	70-74	Dual		0	0.00					
10	70-74	Former		1804	32.66			20.18	154	8.54
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		203	3.83					
10	75-79	Dual		0	0.00					
10	75-79	Former		1790	33.75			23.17	108	6.03
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		47650	55.02					
15	All Ages	CC		1899	2.19	0	0.00			
15	All Ages	Ecig		15134	17.47					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		21922	25.31			17.41	921	4.20
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		5262	66.36					
15	25-29	CC		175	2.21	0	0.00			
15	25-29	Ecig		1655	20.87					
15	25-29	Dual		0	0.00					
15	25-29	Former		838	10.57			6.59	87	10.38
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5614	67.23					
15	30-34	CC		149	1.78	0	0.00			
15	30-34	Ecig		1658	19.86					
15	30-34	Dual		0	0.00					
15	30-34	Former		929	11.13			8.86	72	7.75
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5218	59.34					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	1976	22.47					
15	35-39	Dual	0	0.00					
15	35-39	Former	1432	16.29			12.77	65	4.54
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5291	52.50					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2494	24.75					
15	40-44	Dual	0	0.00					
15	40-44	Former	2055	20.39			15.08	101	4.91
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5281	50.30					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2317	22.07					
15	45-49	Dual	0	0.00					
15	45-49	Former	2664	25.37			15.46	133	4.99
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1622	16.90					
15	50-54	Dual	0	0.00					
15	50-54	Former	2769	28.84			17.84	99	3.58
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1281	15.08					
15	55-59	Dual	0	0.00					
15	55-59	Former	2694	31.71			16.95	78	2.90
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	852	13.04					
15	60-64	Dual	0	0.00					
15	60-64	Former	2437	37.29			20.18	93	3.82
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	591	10.68					
15	65-69	Dual	0	0.00					
15	65-69	Former	2099	37.93			19.92	68	3.24
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	391	7.43					
15	70-74	Dual	0	0.00					
15	70-74	Former	2002	38.03			22.67	69	3.45
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	297	5.38					
15	75-79	Dual	0	0.00					
15	75-79	Former	2003	36.26			22.91	56	2.80
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	44434	54.80					
20	All Ages	CC	766	0.94	0	0.00			
20	All Ages	Ecig	13348	16.46					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22533	27.79			19.54	1086	4.82
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	5164	65.12					
20	30-34	CC	66	0.83	0	0.00			
20	30-34	Ecig	1623	20.47					
20	30-34	Dual	0	0.00					
20	30-34	Former	1077	13.58			9.41	111	10.31
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5574	66.75					
20	35-39	CC	58	0.69	0	0.00			
20	35-39	Ecig	1566	18.75					
20	35-39	Dual	0	0.00					
20	35-39	Former	1152	13.80			11.54	88	7.64
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5218	59.34					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	1827	20.78					
20	40-44	Dual	0	0.00					
20	40-44	Former	1684	19.15			15.39	111	6.59
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5291	52.50					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2322	23.04					
20	45-49	Dual	0	0.00					
20	45-49	Former	2360	23.42			17.72	130	5.51
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5281	50.30					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	2100	20.00					
20	50-54	Dual	0	0.00					
20	50-54	Former	3017	28.74			18.28	163	5.40
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1433	14.93					
20	55-59	Dual	0	0.00					
20	55-59	Former	3058	31.85			20.88	103	3.37
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	1079	12.70					
20	60-64	Dual	0	0.00					
20	60-64	Former	2991	35.20			19.94	144	4.81
Year of Follow-up: 2010, Age Group: 65-69									

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	645	9.87					
20	65-69	Dual	0	0.00					
20	65-69	Former	2728	41.74			22.72	95	3.48
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	477	8.62					
20	70-74	Dual	0	0.00					
20	70-74	Former	2285	41.29			23.05	69	3.02
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	276	5.24					
20	75-79	Dual	0	0.00					
20	75-79	Former	2181	41.43			25.56	72	3.30
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	41686	54.98					
25	All Ages	CC	340	0.45	0	0.00			
25	All Ages	Ecig	11075	14.61					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	22716	29.96			21.62	886	3.90
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	5148	64.92					
25	35-39	CC	20	0.25	0	0.00			
25	35-39	Ecig	1357	17.11					
25	35-39	Dual	0	0.00					
25	35-39	Former	1405	17.72			11.55	110	7.83
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5574	66.75					
25	40-44	CC	33	0.40	0	0.00			
25	40-44	Ecig	1372	16.43					
25	40-44	Dual	0	0.00					

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

25	40-44	Former	1371	16.42			14.20	98	7.15
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5218	59.34					
25	45-49	CC	32	0.36	0	0.00			
25	45-49	Ecig	1609	18.30					
25	45-49	Dual	0	0.00					
25	45-49	Former	1934	21.99			18.01	93	4.81
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5291	52.50					
25	50-54	CC	45	0.45	0	0.00			
25	50-54	Ecig	2055	20.39					
25	50-54	Dual	0	0.00					
25	50-54	Former	2687	26.66			20.18	149	5.55
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5281	50.30					
25	55-59	CC	37	0.35	0	0.00			
25	55-59	Ecig	1772	16.88					
25	55-59	Dual	0	0.00					
25	55-59	Former	3409	32.47			20.84	140	4.11
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	42	0.44	0	0.00			
25	60-64	Ecig	1154	12.02					
25	60-64	Dual	0	0.00					
25	60-64	Former	3386	35.27			23.56	144	4.25
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	41	0.48	0	0.00			
25	65-69	Ecig	844	9.93					
25	65-69	Dual	0	0.00					
25	65-69	Former	3256	38.32			23.12	70	2.15
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	31	0.47	0	0.00			
25	70-74	Ecig	527	8.06					
25	70-74	Dual	0	0.00					
25	70-74	Former	2862	43.79			26.54	42	1.47
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	59	1.07	0	0.00			
25	75-79	Ecig	385	6.96					
25	75-79	Dual	0	0.00					
25	75-79	Former	2406	43.48			26.76	40	1.66
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	39002	55.49					
30	All Ages	CC	115	0.16	0	0.00			
30	All Ages	Ecig	8961	12.75					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	22205	31.59			23.97	735	3.31
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	5148	64.92					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	1166	14.70					
30	40-44	Dual	0	0.00					
30	40-44	Former	1610	20.30			14.71	68	4.22
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5574	66.75					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	1205	14.43					
30	45-49	Dual	0	0.00					
30	45-49	Former	1558	18.66			17.16	65	4.17
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5218	59.34					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1380	15.69					
30	50-54	Dual	0	0.00					
30	50-54	Former	2186	24.86			20.57	120	5.49
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5291	52.50					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	1704	16.91					
30	55-59	Dual	0	0.00					
30	55-59	Former	3069	30.45			22.31	140	4.56
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5281	50.30					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	1427	13.59					
30	60-64	Dual	0	0.00					
30	60-64	Former	3776	35.97			23.52	153	4.05
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	917	9.55					
30	65-69	Dual	0	0.00					
30	65-69	Former	3647	37.99			26.68	75	2.06
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	727	8.56					
30	70-74	Dual	0	0.00					
30	70-74	Former	3392	39.92			27.06	66	1.95
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	435	6.66					
30	75-79	Dual	0	0.00					
30	75-79	Former	2967	45.39			30.49	48	1.62
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	35886	56.29					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	7047	11.05					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	20767	32.58			26.05	589	2.84
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	5148	64.92					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	999	12.60					
35	45-49	Dual	0	0.00					
35	45-49	Former	1782	22.47			18.02	63	3.54
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5574	66.75					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	1017	12.18					
35	50-54	Dual	0	0.00					
35	50-54	Former	1756	21.03			19.87	91	5.18
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5218	59.34					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	1142	12.99					
35	55-59	Dual	0	0.00					
35	55-59	Former	2429	27.62			23.21	95	3.91
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5291	52.50					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	1374	13.63					
35	60-64	Dual	0	0.00					
35	60-64	Former	3406	33.80			24.80	139	4.08
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5281	50.30					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	1138	10.84					
35	65-69	Dual	0	0.00					
35	65-69	Former	4073	38.79			26.62	83	2.04
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	789	8.22					
35	70-74	Dual	0	0.00					
35	70-74	Former	3782	39.40			30.61	65	1.72
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	588	6.92					
35	75-79	Dual	0	0.00					
35	75-79	Former	3539	41.65			30.81	53	1.50
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	31530	57.07					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	5199	9.41					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	18507	33.50			28.14	511	2.76
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any		5148	64.92					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		849	10.71					
40	50-54	Dual		0	0.00					
40	50-54	Former		1933	24.38			21.35	79	4.09
Year of Follow-up: 2030, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any		5574	66.75					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		826	9.89					
40	55-59	Dual		0	0.00					
40	55-59	Former		1950	23.35			22.60	71	3.64
Year of Follow-up: 2030, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any		5218	59.34					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		877	9.97					
40	60-64	Dual		0	0.00					
40	60-64	Former		2695	30.65			25.60	127	4.71
Year of Follow-up: 2030, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any		5291	52.50					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		1078	10.70					
40	65-69	Dual		0	0.00					
40	65-69	Former		3706	36.77			27.59	73	1.97
Year of Follow-up: 2030, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any		5281	50.30					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		957	9.12					
40	70-74	Dual		0	0.00					
40	70-74	Former		4257	40.55			30.33	85	2.00
Year of Follow-up: 2030, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

40	75-79	Ecig	612	6.38					
40	75-79	Dual	0	0.00					
40	75-79	Former	3966	41.31			34.05	76	1.92
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	26512	58.08					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	3723	8.16					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	15410	33.76			29.86	342	2.22
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

45	55-59	Never Any	5148	64.92					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	697	8.79					
45	55-59	Dual	0	0.00					
45	55-59	Former	2085	26.29			24.58	59	2.83
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5574	66.75					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	660	7.90					
45	60-64	Dual	0	0.00					
45	60-64	Former	2116	25.34			25.58	73	3.45
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5218	59.34					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	687	7.81					
45	65-69	Dual	0	0.00					
45	65-69	Former	2885	32.81			28.74	55	1.91
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5291	52.50					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	932	9.25					
45	70-74	Dual	0	0.00					
45	70-74	Former	3854	38.24			31.40	76	1.97
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5281	50.30					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	747	7.11					
45	75-79	Dual	0	0.00					
45	75-79	Former	4470	42.58			33.74	79	1.77
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	21231	60.40					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	2367	6.73					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	11549	32.86			31.63	220	1.90
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	5148	64.92					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	537	6.77					
50	60-64	Dual	0	0.00					
50	60-64	Former	2245	28.31			27.61	64	2.85
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5574	66.75					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	532	6.37					
50	65-69	Dual	0	0.00					
50	65-69	Former	2244	26.87			28.98	30	1.34
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5218	59.34					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	576	6.55					
50	70-74	Dual	0	0.00					
50	70-74	Former	2996	34.07			32.55	56	1.87
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5291	52.50					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	722	7.16					
50	75-79	Dual	0	0.00					
50	75-79	Former	4064	40.33			34.63	70	1.72

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	1944916.243	1001334	11.025	33.987	2493.45	808.881	533.969	274.912

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.020	168.466	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198532	60494.150	60022.451	471.699	0.238	0.780	2829.84	862.271	855.548	6.724
1993	202512	62694.848	61776.730	918.118	0.453	1.464	2845.85	881.034	868.132	12.902
1994	200658	63202.598	61751.771	1450.826	0.723	2.296	2777.87	874.966	854.881	20.085
1995	201023	63766.862	61670.700	2096.162	1.043	3.287	2739.80	869.097	840.528	28.569
1996	201180	64591.163	61718.442	2872.720	1.428	4.448	2706.36	868.908	830.263	38.645
1997	198639	64686.912	61088.595	3598.317	1.811	5.563	2635.18	858.147	810.411	47.736
1998	197573	65295.961	60857.249	4438.712	2.247	6.798	2584.18	854.046	795.989	58.057
1999	211329	67327.521	61593.072	5734.450	2.714	8.517	2726.91	868.771	794.775	73.995
2000	208496	67596.897	60917.093	6679.804	3.204	9.882	2656.96	861.419	776.295	85.124
2001	203606	67008.811	59328.394	7680.417	3.772	11.462	2565.88	844.458	747.668	96.790
2002	200828	67067.744	58272.439	8795.305	4.380	13.114	2506.09	836.925	727.170	109.755
2003	196352	66756.217	56953.391	9802.825	4.992	14.685	2427.31	825.244	704.061	121.183
2004	188160	65058.725	54403.900	10654.83	5.663	16.377	2302.83	796.234	665.833	130.401
2005	186416	65214.724	53411.680	11803.04	6.332	18.099	2256.27	789.321	646.464	142.857
2006	180088	63771.146	51096.964	12674.18	7.038	19.874	2160.67	765.117	613.054	152.063
2007	175644	63110.718	49542.139	13568.58	7.725	21.500	2086.36	749.650	588.478	161.172
2008	177570	63718.624	48856.467	14862.16	8.370	23.325	2086.39	748.674	574.048	174.626
2009	172806	62794.698	47098.412	15696.29	9.083	24.996	2007.57	729.515	547.164	182.351
2010	170489	61917.074	45344.678	16572.40	9.721	26.765	1957.97	711.083	520.758	190.325
2011	170305	61680.114	43932.926	17747.19	10.421	28.773	1937.46	701.700	499.800	201.900
2012	171421	62023.127	42972.428	19050.70	11.113	30.715	1930.22	698.386	483.874	214.513
2013	172699	62037.765	41813.661	20224.10	11.711	32.600	1923.75	691.059	465.776	225.283
2014	174169	61921.017	40408.922	21512.09	12.351	34.741	1918.85	682.195	445.192	237.003
2015	177354	61856.204	39249.056	22607.15	12.747	36.548	2184.51	761.899	483.441	278.458
2016	176853	60464.119	36977.234	23486.88	13.280	38.844	2157.59	737.655	451.118	286.537
2017	179309	60243.839	35573.635	24670.20	13.758	40.951	2166.86	728.017	429.890	298.127
2018	177157	60713.327	34971.377	25741.95	14.531	42.399	2120.51	726.721	418.597	308.124
2019	179227	61148.172	34033.300	27114.87	15.129	44.343	2124.53	724.841	403.426	321.416
2020	180467	61149.317	33083.138	28066.18	15.552	45.898	2424.25	821.432	444.413	377.019
2021	178116	58727.786	30260.470	28467.32	15.983	48.473	2375.42	783.216	403.565	379.651
2022	179408	58848.802	29221.563	29627.24	16.514	50.345	2374.52	778.881	386.756	392.125
2023	180640	58816.149	28171.768	30644.38	16.964	52.102	2372.26	772.407	369.967	402.439
2024	181610	58955.232	27130.803	31824.43	17.524	53.981	2366.77	768.316	353.574	414.742
2025	180418	58297.744	25977.620	32320.12	17.914	55.440	2713.69	876.861	390.732	486.130
2026	180313	56469.971	23934.943	32535.03	18.044	57.615	2701.83	846.150	358.643	487.507
2027	179619	56209.427	22783.431	33426.00	18.609	59.467	2680.68	838.883	340.025	498.858
2028	178762	55733.105	21577.523	34155.58	19.107	61.284	2656.74	828.298	320.682	507.616
2029	177808	55145.838	20355.185	34790.65	19.566	63.088	2630.89	815.951	301.180	514.771
2030	173587	53615.097	19114.706	34500.39	19.875	64.348	3040.33	939.056	334.790	604.266
2031	174985	52046.561	17886.442	34160.12	19.522	65.634	3060.73	910.364	312.858	597.506
2032	173400	51582.636	16891.092	34691.54	20.007	67.254	3027.10	900.496	294.874	605.622
2033	171756	50839.758	15882.362	34957.40	20.353	68.760	2991.14	885.375	276.591	608.783
2034	169973	50215.451	14901.581	35313.87	20.776	70.325	2951.96	872.104	258.799	613.304
2035	162644	47773.075	13792.613	33980.46	20.893	71.129	3459.14	1016.05	293.344	722.702
2036	156254	43298.709	11804.092	31494.62	20.156	72.738	3328.25	922.274	251.430	670.844
2037	153593	42241.563	10835.118	31406.45	20.448	74.350	3274.10	900.450	230.969	669.482
2038	150947	41356.353	10056.278	31300.07	20.736	75.684	3217.50	881.531	214.354	667.176
2039	148373	40161.050	9183.565	30977.48	20.878	77.133	3159.42	855.178	195.552	659.625

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2327764	1580465.217	1142805.759	437659.5	18.802	27.692	639.078	433.910	313.753	120.158

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.426	93.980	0.207	0.287	647.450	467.274	465.934	1.340
1993	46291	33491.183	33305.336	185.848	0.401	0.555	650.515	470.643	468.031	2.612
1994	47017	34074.347	33772.923	301.425	0.641	0.885	650.895	471.719	467.546	4.173
1995	47840	34694.454	34239.731	454.723	0.951	1.311	652.025	472.861	466.663	6.198
1996	48244	35027.269	34397.686	629.583	1.305	1.797	648.999	471.202	462.732	8.469
1997	49035	35590.763	34752.665	838.098	1.709	2.355	650.506	472.153	461.034	11.118
1998	49686	36100.785	35016.155	1084.629	2.183	3.004	649.874	472.184	457.998	14.187
1999	48883	35451.030	34143.599	1307.431	2.675	3.688	630.769	457.448	440.577	16.871
2000	50331	36447.986	34810.925	1637.061	3.253	4.491	641.392	464.474	443.612	20.862
2001	50389	36411.326	34439.809	1971.518	3.913	5.415	635.012	458.863	434.017	24.845
2002	51445	37078.545	34691.500	2387.045	4.640	6.438	641.972	462.696	432.908	29.787
2003	51408	36999.876	34215.818	2784.057	5.416	7.525	635.509	457.395	422.978	34.417
2004	51399	36861.555	33637.152	3224.404	6.273	8.747	629.057	451.138	411.675	39.463
2005	51421	36689.529	32999.217	3690.311	7.177	10.058	622.370	444.069	399.403	44.665
2006	51355	36504.774	32324.762	4180.012	8.139	11.451	616.150	437.979	387.828	50.151
2007	51839	36663.202	31900.385	4762.817	9.188	12.991	615.761	435.498	378.923	56.574
2008	50976	35898.803	30697.385	5201.419	10.204	14.489	598.952	421.800	360.685	61.115
2009	51193	35934.525	30107.043	5827.482	11.383	16.217	594.733	417.468	349.767	67.701
2010	50853	35502.829	29161.858	6340.972	12.469	17.860	584.018	407.730	334.908	72.822
2011	50509	35136.342	28198.300	6938.042	13.736	19.746	574.613	399.726	320.796	78.930
2012	51245	35450.201	27769.011	7681.190	14.989	21.668	577.023	399.173	312.682	86.491
2013	51069	35123.224	26790.166	8333.058	16.317	23.725	568.874	391.249	298.424	92.825
2014	51251	35079.370	26048.409	9030.961	17.621	25.744	564.641	386.476	286.980	99.496
2015	50443	34324.171	24837.434	9486.737	18.807	27.639	621.319	422.780	305.929	116.851
2016	48854	33054.753	23170.950	9883.803	20.231	29.901	596.013	403.264	282.683	120.581
2017	48325	32471.234	22015.095	10456.14	21.637	32.201	583.983	392.399	266.041	126.357
2018	50465	33657.595	21976.276	11681.32	23.147	34.706	604.052	402.871	263.050	139.822
2019	51036	33863.424	21311.834	12551.59	24.594	37.065	604.975	401.412	252.627	148.785
2020	51444	33910.830	20635.853	13274.98	25.805	39.147	691.053	455.532	277.206	178.326
2021	48037	31531.880	18408.506	13123.37	27.319	41.619	640.639	420.521	245.503	175.018
2022	48335	31560.212	17677.880	13882.33	28.721	43.987	639.727	417.708	233.972	183.737
2023	48599	31508.781	16936.973	14571.81	29.984	46.247	638.227	413.791	222.426	191.365
2024	48784	31517.293	16193.691	15323.60	31.411	48.620	635.757	410.740	211.039	199.700
2025	48477	31175.389	15391.023	15784.37	32.561	50.631	729.141	468.912	231.498	237.414
2026	45324	29044.598	13691.872	15352.73	33.873	52.859	679.138	435.206	205.160	230.046
2027	45107	28825.765	12926.427	15899.34	35.248	55.157	673.191	430.203	192.917	237.286
2028	44842	28513.846	12145.087	16368.76	36.503	57.406	666.430	423.769	180.499	243.270
2029	44539	28148.109	11358.970	16789.14	37.695	59.646	659.013	416.486	168.070	248.416
2030	43393	27314.475	10562.210	16752.26	38.606	61.331	760.018	478.407	184.995	293.412
2031	40748	25423.102	9478.883	15944.22	39.129	62.715	712.731	444.684	165.798	278.886
2032	40325	25085.902	8858.830	16227.07	40.241	64.686	703.969	437.933	154.652	283.282
2033	39882	24645.067	8252.148	16392.92	41.104	66.516	694.543	429.194	143.711	285.483
2034	39404	24239.126	7667.730	16571.40	42.055	68.366	684.347	420.967	133.167	287.799
2035	37454	22944.147	6999.703	15944.44	42.570	69.492	796.588	487.980	148.871	339.109
2036	32988	19950.581	5750.842	14199.74	43.045	71.175	702.663	424.953	122.494	302.458
2037	32403	19415.334	5237.854	14177.48	43.753	73.022	690.731	413.871	111.654	302.217
2038	31820	18939.317	4831.087	14108.23	44.338	74.492	678.257	403.701	102.977	300.724
2039	31251	18379.752	4386.457	13993.30	44.777	76.134	665.457	391.373	93.404	297.969

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	3242167	398833.796	199292.847	199540.9	6.155	50.031	890.124	109.498	54.715	54.783

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.074	90.405	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.643	250.600	0.267	1.979	1335.88	180.485	176.913	3.572
1993	93679	12730.613	12252.263	478.350	0.511	3.757	1316.45	178.900	172.178	6.722
1994	90832	12495.323	11750.251	745.072	0.820	5.963	1257.46	172.983	162.668	10.315
1995	89698	12365.590	11312.550	1053.040	1.174	8.516	1222.52	168.534	154.182	14.352
1996	88286	12290.551	10854.583	1435.968	1.626	11.684	1187.66	165.338	146.021	19.317
1997	84777	11719.531	9989.865	1729.666	2.040	14.759	1124.67	155.473	132.527	22.946
1998	82517	11416.794	9345.994	2070.800	2.510	18.138	1079.29	149.327	122.242	27.085
1999	93939	13028.038	10177.046	2850.992	3.035	21.884	1212.16	168.109	131.321	36.788
2000	90039	12426.299	9243.046	3183.253	3.535	25.617	1147.41	158.354	117.789	40.566
2001	86119	11939.281	8351.299	3587.982	4.166	30.052	1085.29	150.461	105.245	45.216
2002	83014	11528.794	7547.164	3981.630	4.796	34.536	1035.91	143.865	94.180	49.686
2003	79302	11048.407	6768.969	4279.438	5.396	38.734	980.336	136.581	83.678	52.903
2004	73861	10375.132	5894.613	4480.519	6.066	43.185	903.963	126.978	72.142	54.836
2005	71649	10051.029	5296.908	4754.121	6.635	47.300	867.197	121.652	64.111	57.541
2006	67551	9542.523	4613.546	4928.977	7.297	51.653	810.467	114.490	55.353	59.137
2007	63503	8936.533	3971.855	4964.678	7.818	55.555	754.310	106.151	47.179	58.972
2008	63171	8944.180	3645.261	5298.920	8.388	59.244	742.239	105.091	42.831	62.261
2009	59747	8390.033	3155.886	5234.147	8.761	62.385	694.108	97.471	36.663	60.808
2010	58008	8157.570	2816.164	5341.405	9.208	65.478	666.189	93.685	32.342	61.343
2011	57368	8035.356	2524.735	5510.621	9.606	68.580	652.644	91.414	28.722	62.691
2012	57411	7970.766	2269.144	5701.621	9.931	71.532	646.453	89.752	25.551	64.201
2013	57067	7743.216	2025.040	5718.176	10.020	73.848	635.688	86.254	22.558	63.697
2014	57538	7774.935	1846.558	5928.377	10.303	76.250	633.906	85.658	20.344	65.314
2015	58395	7722.535	1702.120	6020.415	10.310	77.959	719.266	95.120	20.965	74.155
2016	58658	7600.353	1523.025	6077.328	10.361	79.961	715.621	92.723	18.581	74.143
2017	59004	7470.266	1369.193	6101.074	10.340	81.671	713.034	90.274	16.546	73.728
2018	56077	6907.050	1156.891	5750.159	10.254	83.251	671.224	82.675	13.848	68.825
2019	55886	6732.046	1038.170	5693.876	10.188	84.579	662.462	79.801	12.306	67.494
2020	55313	6429.836	926.663	5503.172	9.949	85.588	743.037	86.373	12.448	73.925
2021	56292	6562.016	853.366	5708.650	10.141	86.995	750.730	87.513	11.381	76.133
2022	55827	6352.366	765.501	5586.865	10.007	87.949	738.885	84.075	10.132	73.944
2023	55338	6134.123	691.424	5442.700	9.835	88.728	726.728	80.557	9.080	71.477
2024	54770	5922.193	622.614	5299.579	9.676	89.487	713.771	77.179	8.114	69.065
2025	53295	5504.188	551.352	4952.836	9.293	89.983	801.612	82.789	8.293	74.496
2026	55278	5641.075	528.352	5112.723	9.249	90.634	828.283	84.526	7.917	76.609
2027	54199	5426.216	480.913	4945.302	9.124	91.137	808.875	80.982	7.177	73.805
2028	53090	5197.830	436.035	4761.795	8.969	91.611	789.020	77.249	6.480	70.769
2029	51974	4973.547	397.308	4576.238	8.805	92.012	769.023	73.590	5.879	67.711
2030	49479	4450.618	343.292	4107.326	8.301	92.287	866.605	77.952	6.013	71.939
2031	51987	4555.052	338.379	4216.673	8.111	92.571	909.317	79.674	5.919	73.755
2032	50677	4349.999	309.790	4040.209	7.972	92.878	884.689	75.939	5.408	70.531
2033	49380	4147.948	287.035	3860.913	7.819	93.080	859.955	72.237	4.999	67.238
2034	48076	3966.133	265.406	3700.727	7.698	93.308	834.943	68.881	4.609	64.271
2035	44518	3289.064	215.572	3073.493	6.904	93.446	946.825	69.952	4.585	65.368
2036	46347	3313.192	208.453	3104.740	6.699	93.708	987.211	70.572	4.440	66.132
2037	44841	3117.951	189.933	2928.018	6.530	93.908	955.859	66.464	4.049	62.416
2038	43378	2949.775	176.113	2773.662	6.394	94.030	924.621	62.876	3.754	59.122
2039	41973	2766.312	162.596	2603.716	6.203	94.122	893.753	58.905	3.462	55.443

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	51338.470	53561.28	3.961	51.059	371.243	28.800	14.095	14.705

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.224	76.900	0.236	2.390	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.069	145.611	0.444	4.513	460.480	45.344	43.297	2.046
1994	33005	3277.266	3045.064	232.202	0.704	7.085	456.915	45.370	42.155	3.215
1995	33730	3309.378	2976.635	332.743	0.986	10.055	459.716	45.104	40.569	4.535
1996	33750	3312.987	2863.109	449.878	1.333	13.579	454.019	44.568	38.516	6.052
1997	33699	3267.066	2703.726	563.340	1.672	17.243	447.056	43.341	35.868	7.473
1998	33274	3178.725	2507.122	671.603	2.018	21.128	435.211	41.577	32.792	8.784
1999	33891	3120.351	2338.522	781.830	2.307	25.056	437.317	40.264	30.175	10.088
2000	33827	3142.808	2228.381	914.427	2.703	29.096	431.074	40.050	28.397	11.653
2001	32506	2961.588	1979.681	981.908	3.021	33.155	409.647	37.323	24.948	12.374
2002	32078	2940.627	1836.802	1103.826	3.441	37.537	400.295	36.695	22.921	13.774
2003	30568	2819.545	1644.266	1175.279	3.845	41.683	377.883	34.855	20.327	14.529
2004	29388	2730.466	1479.097	1251.369	4.258	45.830	359.671	33.417	18.102	15.315
2005	27954	2670.510	1342.093	1328.417	4.752	49.744	338.339	32.322	16.244	16.078
2006	27201	2623.285	1220.632	1402.654	5.157	53.469	326.354	31.474	14.645	16.829
2007	26302	2536.599	1088.771	1447.828	5.505	57.078	312.424	30.131	12.933	17.198
2008	25998	2469.443	979.932	1489.511	5.729	60.318	305.468	29.015	11.514	17.501
2009	25040	2386.945	873.148	1513.797	6.046	63.420	290.901	27.730	10.144	17.586
2010	24840	2329.274	785.386	1543.889	6.215	66.282	285.273	26.750	9.020	17.731
2011	24792	2286.581	705.779	1580.802	6.376	69.134	282.045	26.013	8.029	17.984
2012	24500	2243.311	633.571	1609.740	6.570	71.757	275.872	25.260	7.134	18.126
2013	24451	2176.503	562.662	1613.841	6.600	74.148	272.368	24.245	6.268	17.977
2014	25296	2211.619	524.304	1687.315	6.670	76.293	278.691	24.366	5.776	18.589
2015	26316	2237.016	492.071	1744.945	6.631	78.003	324.141	27.554	6.061	21.493
2016	26735	2229.057	451.523	1777.534	6.649	79.744	326.164	27.194	5.509	21.686
2017	27616	2221.649	415.484	1806.165	6.540	81.298	333.726	26.848	5.021	21.827
2018	25256	1939.420	336.755	1602.665	6.346	82.636	302.304	23.214	4.031	19.183
2019	25429	1904.400	304.339	1600.061	6.292	84.019	301.434	22.574	3.608	18.967
2020	25379	1806.054	269.646	1536.409	6.054	85.070	340.922	24.261	3.622	20.639
2021	25448	1748.172	241.259	1506.913	5.922	86.199	339.386	23.314	3.218	20.097
2022	25539	1701.148	218.078	1483.070	5.807	87.181	338.015	22.515	2.886	19.629
2023	25620	1652.087	198.215	1453.872	5.675	88.002	336.461	21.696	2.603	19.093
2024	25659	1597.127	178.633	1418.493	5.528	88.815	334.391	20.814	2.328	18.486
2025	25260	1467.622	155.776	1311.846	5.193	89.386	379.931	22.075	2.343	19.732
2026	25480	1390.505	139.277	1251.228	4.911	89.984	381.790	20.835	2.087	18.748
2027	25264	1342.095	126.632	1215.464	4.811	90.565	377.042	20.030	1.890	18.140
2028	25022	1289.536	115.258	1174.278	4.693	91.062	371.870	19.165	1.713	17.452
2029	24767	1242.216	105.261	1136.955	4.591	91.526	366.459	18.380	1.557	16.823
2030	23959	1096.803	88.984	1007.819	4.206	91.887	419.641	19.210	1.559	17.652
2031	23963	1019.991	79.369	940.622	3.925	92.219	419.142	17.841	1.388	16.453
2032	23615	977.406	72.603	904.803	3.831	92.572	412.259	17.063	1.267	15.795
2033	23259	937.450	67.380	870.069	3.741	92.812	405.051	16.326	1.173	15.152
2034	22879	900.763	62.301	838.462	3.665	93.083	397.339	15.644	1.082	14.562
2035	21733	745.023	50.177	694.846	3.197	93.265	462.224	15.845	1.067	14.778
2036	20904	680.360	43.738	636.621	3.045	93.571	445.263	14.492	0.932	13.560
2037	20397	644.109	40.183	603.926	2.961	93.761	434.791	13.730	0.857	12.874
2038	19890	612.448	37.355	575.093	2.891	93.901	423.966	13.055	0.796	12.258
2039	19392	577.529	34.624	542.906	2.800	94.005	412.930	12.298	0.737	11.560

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
All Comb	2159941	862051.244	551479.167	310572.1	14.379	36.027	593.003	236.673	151.406	85.266

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		Death		NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Rate	Attrib	Attrib	Rates
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths		Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.157	50.218	0.187	0.424	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.062	108.310	0.364	0.818	418.406	186.148	184.626	1.522
1994	29804	13355.662	13183.534	172.128	0.578	1.289	412.601	184.893	182.511	2.383
1995	29755	13397.439	13141.784	255.655	0.859	1.908	405.540	182.598	179.113	3.484
1996	30900	13960.356	13603.063	357.292	1.156	2.559	415.680	187.801	182.994	4.806
1997	31128	14109.552	13642.339	467.213	1.501	3.311	412.949	187.180	180.981	6.198
1998	32096	14599.657	13987.977	611.680	1.906	4.190	419.803	190.958	182.957	8.001
1999	34616	15728.102	14933.905	794.198	2.294	5.050	446.673	202.950	192.702	10.248
2000	34299	15579.803	14634.741	945.062	2.755	6.066	437.088	198.541	186.497	12.043
2001	34592	15696.614	14557.606	1139.009	3.293	7.256	435.935	197.812	183.458	14.354
2002	34291	15519.777	14196.973	1322.805	3.858	8.523	427.910	193.668	177.161	16.507
2003	35074	15888.389	14324.338	1564.051	4.459	9.844	433.587	196.413	177.078	19.335
2004	33512	15091.573	13393.039	1698.534	5.068	11.255	410.143	184.701	163.913	20.788
2005	35392	15803.656	13773.461	2030.194	5.736	12.846	428.364	191.278	166.706	24.572
2006	33981	15100.563	12938.025	2162.539	6.364	14.321	407.699	181.174	155.229	25.946
2007	34000	14974.384	12581.128	2393.255	7.039	15.982	403.863	177.871	149.443	28.428
2008	37425	16406.197	13533.890	2872.308	7.675	17.507	439.732	192.768	159.019	33.749
2009	36826	16083.194	12962.334	3120.860	8.475	19.404	427.825	186.846	150.589	36.256
2010	36788	15927.400	12581.270	3346.130	9.096	21.009	422.489	182.917	144.489	38.428
2011	37636	16221.836	12504.112	3717.723	9.878	22.918	428.164	184.547	142.252	42.294
2012	38265	16358.849	12300.702	4058.148	10.605	24.807	430.867	184.202	138.507	45.695
2013	40112	16994.822	12435.794	4559.028	11.366	26.826	446.821	189.311	138.526	50.784
2014	40084	16855.093	11989.651	4865.442	12.138	28.866	441.613	185.696	132.092	53.603
2015	42200	17572.483	12217.431	5355.051	12.690	30.474	519.788	216.445	150.485	65.960
2016	42606	17579.955	11831.736	5748.220	13.492	32.698	519.788	214.473	144.346	70.128
2017	44364	18080.688	11773.864	6306.825	14.216	34.882	536.117	218.496	142.281	76.215
2018	45359	18209.262	11501.455	6707.807	14.788	36.837	542.932	217.960	137.669	80.290
2019	46876	18648.302	11378.958	7269.344	15.508	38.981	555.657	221.054	134.884	86.170
2020	48331	19002.597	11250.976	7751.621	16.039	40.792	649.239	255.266	151.137	104.129
2021	48338	18885.717	10757.338	8128.379	16.816	43.040	644.660	251.867	143.464	108.403
2022	49708	19235.076	10560.105	8674.972	17.452	45.100	657.895	254.582	139.766	114.816
2023	51083	19521.158	10345.157	9176.001	17.963	47.005	670.849	256.363	135.858	120.504
2024	52397	19918.620	10135.865	9782.755	18.670	49.114	682.854	259.583	132.093	127.491
2025	53387	20150.545	9879.469	10271.08	19.239	50.972	803.004	303.086	148.598	154.488
2026	54232	20393.792	9575.442	10818.35	19.948	53.047	812.615	305.582	143.479	162.103
2027	55049	20615.351	9249.459	11365.89	20.647	55.133	821.568	307.668	138.041	169.627
2028	55809	20731.894	8881.144	11850.75	21.235	57.162	829.419	308.115	131.990	176.124
2029	56527	20781.967	8493.646	12288.32	21.739	59.130	836.392	307.495	125.674	181.821
2030	56756	20753.201	8120.219	12632.98	22.258	60.872	994.067	363.487	142.224	221.264
2031	58288	21048.417	7989.811	13058.61	22.404	62.041	1019.54	368.165	139.752	228.412
2032	58782	21169.329	7649.869	13519.46	22.999	63.863	1026.18	369.560	133.546	236.014
2033	59236	21109.293	7275.799	13833.49	23.353	65.533	1031.59	367.618	126.708	240.910
2034	59614	21109.429	6906.144	14203.28	23.825	67.284	1035.33	366.613	119.941	246.672
2035	58938	20794.840	6527.161	14267.68	24.208	68.612	1253.51	442.268	138.821	303.447
2036	56014	19354.577	5801.059	13553.52	24.197	70.027	1193.11	412.258	123.564	288.694
2037	55953	19064.169	5367.148	13697.02	24.480	71.847	1192.72	406.385	114.410	291.975
2038	55859	18854.812	5011.724	13843.09	24.782	73.419	1190.66	401.900	106.827	295.072
2039	55757	18437.457	4599.889	13837.57	24.818	75.051	1187.28	392.602	97.949	294.653

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9148411	2946250.006	1953743.543	992506.5	10.849	33.687	2499.61	808.881	533.820	275.062

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.020	168.466	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198533	60494.150	60022.675	471.474	0.237	0.779	2829.84	862.271	855.549	6.722
1993	202515	62694.848	61777.608	917.240	0.453	1.463	2845.86	881.034	868.136	12.898
1994	200665	63202.598	61753.927	1448.671	0.722	2.292	2777.91	874.966	854.892	20.074
1995	201036	63766.862	61674.840	2092.022	1.041	3.281	2739.86	869.097	840.549	28.549
1996	201202	64591.163	61725.487	2865.676	1.424	4.437	2706.47	868.908	830.298	38.610
1997	198673	64686.912	61099.515	3587.397	1.806	5.546	2635.34	858.147	810.466	47.681
1998	197623	65295.961	60873.196	4422.765	2.238	6.773	2584.42	854.046	796.071	57.975
1999	211404	67327.521	61615.577	5711.944	2.702	8.484	2727.28	868.771	794.891	73.879
2000	208596	67596.897	60947.340	6649.557	3.188	9.837	2657.45	861.419	776.451	84.968
2001	203735	67008.811	59366.987	7641.823	3.751	11.404	2566.52	844.458	747.867	96.591
2002	200990	67067.744	58320.607	8747.136	4.352	13.042	2506.90	836.925	727.418	109.506
2003	196550	66756.217	57012.256	9743.961	4.957	14.596	2428.31	825.244	704.366	120.878
2004	188394	65058.725	54472.858	10585.87	5.619	16.271	2304.02	796.234	666.192	130.042
2005	186694	65214.724	53492.676	11722.05	6.279	17.975	2257.67	789.321	646.883	142.438
2006	180406	63771.146	51188.759	12582.39	6.974	19.731	2162.28	765.117	613.530	151.587
2007	176006	63110.718	49646.052	13464.67	7.650	21.335	2088.19	749.650	589.015	160.635
2008	177993	63718.624	48975.038	14743.59	8.283	23.139	2088.52	748.674	574.660	174.013
2009	173277	62794.698	47229.303	15565.39	8.983	24.788	2009.93	729.515	547.836	181.679
2010	171016	61917.074	45487.510	16429.56	9.607	26.535	1960.59	711.083	521.486	189.597
2011	170895	61680.114	44088.277	17591.84	10.294	28.521	1940.38	701.700	500.587	201.113
2012	172084	62023.127	43142.226	18880.90	10.972	30.442	1933.47	698.386	484.728	213.658
2013	173443	62037.765	41997.542	20040.22	11.554	32.303	1927.38	691.059	466.696	224.363
2014	174998	61921.017	40605.655	21315.36	12.180	34.423	1922.86	682.195	446.170	236.025
2015	178288	61856.204	39460.263	22395.94	12.562	36.206	2188.82	761.899	484.451	277.448
2016	177872	60464.119	37195.406	23268.71	13.082	38.484	2162.25	737.655	452.155	285.500
2017	180440	60243.839	35803.627	24440.21	13.545	40.569	2172.03	728.017	430.983	297.033
2018	178377	60713.327	35218.229	25495.10	14.293	41.993	2126.10	726.721	419.771	306.950
2019	180571	61148.172	34295.255	26852.92	14.871	43.915	2130.69	724.841	404.675	320.166
2020	181943	61149.317	33360.364	27788.95	15.273	45.444	2430.54	821.432	445.655	375.778
2021	179686	58727.786	30534.357	28193.43	15.690	48.007	2382.11	783.216	404.796	378.420
2022	181110	58848.802	29506.347	29342.46	16.201	49.861	2381.80	778.881	388.042	390.838
2023	182478	58816.149	28466.772	30349.38	16.632	51.600	2380.17	772.407	371.308	401.099
2024	183588	58955.232	27435.383	31519.85	17.169	53.464	2375.31	768.316	354.967	413.349
2025	182536	58297.744	26290.612	32007.13	17.535	54.903	2721.85	876.861	392.027	484.834
2026	182580	56469.971	24245.293	32224.68	17.650	57.065	2710.80	846.150	359.975	486.175
2027	182020	56209.427	23098.582	33110.85	18.191	58.906	2690.34	838.883	341.408	497.475
2028	181299	55733.105	21894.962	33838.14	18.664	60.715	2667.13	828.298	322.101	506.197
2029	180482	55145.838	20673.398	34472.44	19.100	62.511	2642.02	815.951	302.631	513.319
2030	176388	53615.097	19433.611	34181.49	19.379	63.753	3050.42	939.056	336.081	602.974
2031	177997	52046.561	18206.826	33839.74	19.011	65.018	3072.27	910.364	314.253	596.110
2032	176550	51582.636	17211.523	34371.11	19.468	66.633	3039.55	900.496	296.320	604.175
2033	175044	50839.758	16200.869	34638.89	19.789	68.133	3004.52	885.375	278.078	607.297
2034	173394	50215.451	15216.924	34998.53	20.184	69.697	2966.28	872.104	260.319	611.785
2035	166157	47773.075	14103.748	33669.33	20.264	70.478	3471.85	1016.05	294.698	721.348
2036	159795	43298.709	12084.748	31213.96	19.534	72.090	3341.65	922.274	252.717	669.557
2037	157228	42241.563	11104.727	31136.84	19.804	73.711	3288.43	900.450	232.257	668.194
2038	154669	41356.353	10318.083	31038.27	20.067	75.051	3232.76	881.531	215.659	665.872
2039	152182	40161.050	9432.878	30728.17	20.192	76.512	3175.59	855.178	196.837	658.340

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2343935	1580465.217	1147837.958	432627.3	18.457	27.373	640.431	433.910	313.623	120.288

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig					NULL	Ecig		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.550	93.857	0.207	0.286	647.451	467.274	465.935	1.339
1993	46292	33491.183	33305.813	185.370	0.400	0.553	650.518	470.643	468.033	2.609
1994	47019	34074.347	33774.113	300.235	0.639	0.881	650.904	471.719	467.553	4.167
1995	47843	34694.454	34242.051	452.403	0.946	1.304	652.042	472.861	466.675	6.186
1996	48250	35027.269	34401.654	625.615	1.297	1.786	649.027	471.202	462.753	8.449
1997	49044	35590.763	34758.922	831.840	1.696	2.337	650.551	472.153	461.066	11.086
1998	49699	36100.785	35025.388	1075.397	2.164	2.979	649.940	472.184	458.045	14.139
1999	48901	35451.030	34156.123	1294.907	2.648	3.653	630.861	457.448	440.642	16.806
2000	50356	36447.986	34828.273	1619.712	3.217	4.444	641.520	464.474	443.702	20.772
2001	50422	36411.326	34462.246	1949.080	3.866	5.353	635.180	458.863	434.133	24.729
2002	51487	37078.545	34720.230	2358.315	4.580	6.360	642.190	462.696	433.057	29.639
2003	51461	36999.876	34251.216	2748.660	5.341	7.429	635.782	457.395	423.162	34.233
2004	51464	36861.555	33679.775	3181.780	6.183	8.632	629.391	451.138	411.897	39.241
2005	51498	36689.529	33049.170	3640.358	7.069	9.922	622.765	444.069	399.661	44.407
2006	51446	36504.774	32382.665	4122.109	8.012	11.292	616.615	437.979	388.127	49.852
2007	51946	36663.202	31967.070	4696.132	9.040	12.809	616.306	435.498	379.267	56.231
2008	51098	35898.803	30771.500	5127.304	10.034	14.283	599.566	421.800	361.065	60.735
2009	51333	35934.525	30190.313	5744.212	11.190	15.985	595.432	417.468	350.192	67.276
2010	51010	35502.829	29253.205	6249.624	12.252	17.603	584.795	407.730	335.370	72.360
2011	50684	35136.342	28297.423	6838.918	13.493	19.464	575.471	399.726	321.295	78.432
2012	51443	35450.201	27878.105	7572.096	14.719	21.360	577.989	399.173	313.227	85.946
2013	51288	35123.224	26907.236	8215.988	16.019	23.392	569.934	391.249	299.006	92.243
2014	51494	35079.370	26174.506	8904.864	17.293	25.385	565.810	386.476	287.602	98.873
2015	50707	34324.171	24970.267	9353.904	18.447	27.252	622.526	422.780	306.558	116.221
2016	49134	33054.753	23306.908	9747.844	19.839	29.490	597.284	403.264	283.324	119.941
2017	48628	32471.234	22156.655	10314.58	21.211	31.765	585.360	392.399	266.709	125.690
2018	50809	33657.595	22130.116	11527.48	22.688	34.249	605.601	402.871	263.772	139.100
2019	51414	33863.424	21474.445	12388.98	24.096	36.585	606.676	401.412	253.393	148.019
2020	51858	33910.830	20807.173	13103.66	25.268	38.642	692.761	455.532	277.959	177.573
2021	48455	31531.880	18573.659	12958.22	26.743	41.096	642.373	420.521	246.232	174.289
2022	48787	31560.212	17848.637	13711.58	28.105	43.446	641.608	417.708	234.730	182.978
2023	49087	31508.781	17112.741	14396.04	29.328	45.689	640.263	413.791	223.211	190.580
2024	49307	31517.293	16373.838	15143.46	30.712	48.048	637.952	410.740	211.850	198.890
2025	49036	31175.389	15574.776	15600.61	31.815	50.041	731.192	468.912	232.240	236.672
2026	45887	29044.598	13867.884	15176.71	33.074	52.253	681.288	435.206	205.900	229.307
2027	45702	28825.765	13103.642	15722.12	34.401	54.542	675.503	430.203	193.678	236.525
2028	45469	28513.846	12322.103	16191.74	35.610	56.786	668.910	423.769	181.273	242.496
2029	45200	28148.109	11534.828	16613.28	36.755	59.021	661.665	416.486	168.855	247.631
2030	44083	27314.475	10736.797	16577.68	37.606	60.692	762.365	478.407	185.680	292.726
2031	41442	25423.102	9647.219	15775.88	38.067	62.053	715.302	444.684	166.513	278.171
2032	41050	25085.902	9025.310	16060.59	39.125	64.022	706.731	437.933	155.383	282.550
2033	40637	24645.067	8415.960	16229.11	39.937	65.851	697.502	429.194	144.455	284.739
2034	40188	24239.126	7828.210	16410.92	40.836	67.704	687.499	420.967	133.919	287.048
2035	38255	22944.147	7156.128	15788.02	41.270	68.811	799.340	487.980	149.527	338.453
2036	33726	19950.581	5886.025	14064.56	41.702	70.497	705.288	424.953	123.089	301.864
2037	33159	19415.334	5366.500	14048.83	42.368	72.359	693.527	413.871	112.241	301.630
2038	32593	18939.317	4955.064	13984.25	42.906	73.837	681.223	403.701	103.566	300.135
2039	32040	18379.752	4503.640	13876.11	43.308	75.497	668.589	391.373	93.978	297.395

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	All	NULL	Ecig							
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Ecig	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3261642	398833.796	199566.656	199267.1	6.109	49.962	891.176	109.498	54.527	54.971

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	All	NULL	Ecig							
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Ecig	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.074	90.405	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.689	250.554	0.267	1.979	1335.88	180.485	176.913	3.572
1993	93680	12730.613	12252.437	478.176	0.510	3.756	1316.45	178.900	172.179	6.721
1994	90835	12495.323	11750.661	744.662	0.820	5.960	1257.48	172.983	162.670	10.313
1995	89704	12365.590	11313.311	1052.280	1.173	8.510	1222.55	168.534	154.186	14.348
1996	88296	12290.551	10855.821	1434.730	1.625	11.673	1187.71	165.338	146.027	19.311
1997	84792	11719.531	9991.663	1727.868	2.038	14.743	1124.73	155.473	132.536	22.937
1998	82538	11416.794	9348.467	2068.328	2.506	18.117	1079.39	149.327	122.255	27.072
1999	93972	13028.038	10180.812	2847.226	3.030	21.855	1212.32	168.109	131.341	36.768
2000	90082	12426.299	9247.697	3178.602	3.529	25.580	1147.62	158.354	117.813	40.541
2001	86173	11939.281	8356.798	3582.484	4.157	30.006	1085.55	150.461	105.274	45.188
2002	83080	11528.794	7553.457	3975.337	4.785	34.482	1036.24	143.865	94.212	49.653
2003	79382	11048.407	6776.006	4272.401	5.382	38.670	980.731	136.581	83.715	52.866
2004	73952	10375.132	5902.098	4473.033	6.049	43.113	904.420	126.978	72.181	54.797
2005	71755	10051.029	5304.947	4746.082	6.614	47.220	867.730	121.652	64.152	57.499
2006	67670	9542.523	4621.801	4920.722	7.272	51.566	811.063	114.490	55.395	59.095
2007	63633	8936.533	3980.118	4956.415	7.789	55.462	754.960	106.151	47.221	58.930
2008	63320	8944.180	3653.973	5290.207	8.355	59.147	742.981	105.091	42.875	62.217
2009	59909	8390.033	3164.515	5225.518	8.722	62.282	694.908	97.471	36.707	60.764
2010	58185	8157.570	2824.856	5332.714	9.165	65.371	667.060	93.685	32.385	61.300
2011	57565	8035.356	2533.446	5501.910	9.558	68.471	653.604	91.414	28.765	62.648
2012	57630	7970.766	2277.797	5692.969	9.878	71.423	647.510	89.752	25.592	64.159
2013	57310	7743.216	2033.590	5709.626	9.963	73.737	636.855	86.254	22.598	63.656
2014	57808	7774.935	1855.128	5919.807	10.240	76.140	635.189	85.658	20.384	65.274
2015	58698	7722.535	1710.824	6011.711	10.242	77.846	720.628	95.120	21.004	74.117
2016	58991	7600.353	1531.518	6068.836	10.288	79.849	717.111	92.723	18.617	74.106
2017	59370	7470.266	1377.490	6092.776	10.262	81.560	714.665	90.274	16.581	73.693
2018	56456	6907.050	1164.472	5742.578	10.172	83.141	672.907	82.675	13.880	68.796
2019	56297	6732.046	1045.532	5686.515	10.101	84.469	664.292	79.801	12.337	67.464
2020	55758	6429.836	933.810	5496.026	9.857	85.477	744.863	86.373	12.475	73.899
2021	56777	6562.016	860.357	5701.658	10.042	86.889	752.698	87.513	11.406	76.108
2022	56344	6352.366	772.204	5580.161	9.904	87.844	740.993	84.075	10.155	73.920
2023	55888	6134.123	697.877	5436.246	9.727	88.623	728.982	80.557	9.103	71.454
2024	55353	5922.193	628.784	5293.408	9.563	89.383	716.169	77.179	8.135	69.044
2025	53908	5504.188	557.277	4946.910	9.177	89.875	803.845	82.789	8.310	74.479
2026	55953	5641.075	534.361	5106.715	9.127	90.527	830.753	84.526	7.934	76.592
2027	54903	5426.216	486.706	4939.510	8.997	91.030	811.492	80.982	7.194	73.788
2028	53822	5197.830	441.559	4756.271	8.837	91.505	791.787	77.249	6.496	70.754
2029	52733	4973.547	402.596	4570.951	8.668	91.905	771.940	73.590	5.893	67.696
2030	50258	4450.618	348.313	4102.305	8.162	92.174	869.158	77.952	6.024	71.928
2031	52852	4555.052	343.571	4211.482	7.968	92.457	912.243	79.674	5.930	73.744
2032	51567	4349.999	314.757	4035.242	7.825	92.764	887.789	75.939	5.419	70.520
2033	50292	4147.948	291.848	3856.100	7.667	92.964	863.231	72.237	5.009	67.227
2034	49008	3966.133	270.035	3696.098	7.542	93.191	838.386	68.881	4.620	64.261
2035	45453	3289.064	219.858	3069.206	6.752	93.315	949.743	69.952	4.594	65.358
2036	47364	3313.192	212.726	3100.466	6.546	93.579	990.477	70.572	4.449	66.123
2037	45866	3117.951	193.946	2924.005	6.375	93.780	959.286	66.464	4.056	62.408
2038	44409	2949.775	179.949	2769.826	6.237	93.900	928.201	62.876	3.761	59.115
2039	43009	2766.312	166.232	2600.080	6.045	93.991	897.476	58.905	3.469	55.436

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1361482	104899.750	51401.495	53498.26	3.929	50.999	371.997	28.800	14.044	14.755

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.235	76.889	0.236	2.389	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.110	145.571	0.444	4.511	460.482	45.344	43.298	2.046
1994	33006	3277.266	3045.160	232.105	0.703	7.082	456.920	45.370	42.156	3.214
1995	33732	3309.378	2976.818	332.561	0.986	10.049	459.725	45.104	40.570	4.534
1996	33754	3312.987	2863.405	449.582	1.332	13.570	454.035	44.568	38.517	6.051
1997	33705	3267.066	2704.163	562.903	1.670	17.230	447.080	43.341	35.870	7.472
1998	33282	3178.725	2507.716	671.009	2.016	21.109	435.246	41.577	32.795	8.782
1999	33902	3120.351	2339.292	781.060	2.304	25.031	437.368	40.264	30.179	10.085
2000	33842	3142.808	2229.370	913.438	2.699	29.064	431.143	40.050	28.402	11.649
2001	32525	2961.588	1980.825	980.764	3.015	33.116	409.735	37.323	24.953	12.369
2002	32103	2940.627	1838.129	1102.499	3.434	37.492	400.409	36.695	22.927	13.769
2003	30598	2819.545	1645.729	1173.816	3.836	41.631	378.021	34.855	20.332	14.523
2004	29423	2730.466	1480.684	1249.782	4.248	45.772	359.838	33.417	18.108	15.309
2005	27994	2670.510	1343.781	1326.729	4.739	49.681	338.529	32.322	16.250	16.072
2006	27247	2623.285	1222.442	1400.843	5.141	53.400	326.577	31.474	14.652	16.822
2007	26354	2536.599	1090.631	1445.968	5.487	57.004	312.675	30.131	12.940	17.191
2008	26058	2469.443	981.853	1487.590	5.709	60.240	305.757	29.015	11.521	17.494
2009	25106	2386.945	875.095	1511.850	6.022	63.338	291.220	27.730	10.151	17.580
2010	24915	2329.274	787.363	1541.911	6.189	66.197	285.632	26.750	9.027	17.724
2011	24876	2286.581	707.765	1578.816	6.347	69.047	282.447	26.013	8.036	17.977
2012	24593	2243.311	635.536	1607.775	6.538	71.670	276.315	25.260	7.141	18.119
2013	24554	2176.503	564.593	1611.911	6.565	74.060	272.859	24.245	6.274	17.971
2014	25415	2211.619	526.291	1685.328	6.631	76.203	279.253	24.366	5.783	18.583
2015	26453	2237.016	494.137	1742.879	6.589	77.911	324.759	27.554	6.066	21.487
2016	26887	2229.057	453.601	1775.457	6.603	79.651	326.848	27.194	5.514	21.680
2017	27789	2221.649	417.590	1804.060	6.492	81.204	334.505	26.848	5.027	21.821
2018	25429	1939.420	338.627	1600.793	6.295	82.540	303.090	23.214	4.036	19.178
2019	25619	1904.400	306.173	1598.226	6.238	83.923	302.300	22.574	3.613	18.962
2020	25587	1806.054	271.434	1534.620	5.998	84.971	341.810	24.261	3.626	20.635
2021	25674	1748.172	242.999	1505.174	5.863	86.100	340.366	23.314	3.221	20.093
2022	25783	1701.148	219.766	1481.382	5.746	87.081	339.077	22.515	2.890	19.625
2023	25883	1652.087	199.857	1452.230	5.611	87.903	337.608	21.696	2.607	19.089
2024	25941	1597.127	180.207	1416.920	5.462	88.717	335.626	20.814	2.332	18.482
2025	25560	1467.622	157.288	1310.334	5.127	89.283	381.128	22.075	2.345	19.729
2026	25804	1390.505	140.731	1249.774	4.843	89.879	383.123	20.835	2.089	18.746
2027	25606	1342.095	128.033	1214.062	4.741	90.460	378.469	20.030	1.892	18.137
2028	25382	1289.536	116.602	1172.934	4.621	90.958	373.395	19.165	1.715	17.450
2029	25145	1242.216	106.553	1135.663	4.517	91.422	368.084	18.380	1.560	16.820
2030	24353	1096.803	90.204	1006.599	4.133	91.776	421.148	19.210	1.560	17.650
2031	24381	1019.991	80.517	939.474	3.853	92.106	420.822	17.841	1.390	16.451
2032	24050	977.406	73.700	903.706	3.758	92.460	414.062	17.063	1.269	15.794
2033	23711	937.450	68.446	869.004	3.665	92.699	406.980	16.326	1.175	15.151
2034	23346	900.763	63.326	837.437	3.587	92.970	399.392	15.644	1.083	14.560
2035	22211	745.023	51.121	693.903	3.124	93.138	464.091	15.845	1.068	14.777
2036	21387	680.360	44.583	635.776	2.973	93.447	447.242	14.492	0.932	13.560
2037	20889	644.109	40.981	603.128	2.887	93.638	436.894	13.730	0.857	12.873
2038	20391	612.448	38.117	574.331	2.817	93.776	426.192	13.055	0.797	12.258
2039	19901	577.529	35.345	542.184	2.724	93.880	415.272	12.298	0.738	11.560

Results for PHIM for Run 4 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 4, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2181353	862051.244	554937.435	307113.8	14.079	35.626	596.009	236.673	151.625	85.048

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.201	50.174	0.187	0.424	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.248	108.123	0.363	0.816	418.408	186.148	184.627	1.521
1994	29805	13355.662	13183.993	171.669	0.576	1.285	412.606	184.893	182.513	2.381
1995	29757	13397.439	13142.660	254.779	0.856	1.902	405.549	182.598	179.118	3.480
1996	30903	13960.356	13604.607	355.749	1.151	2.548	415.697	187.801	183.002	4.799
1997	31133	14109.552	13644.767	464.785	1.493	3.294	412.976	187.180	180.994	6.186
1998	32104	14599.657	13991.625	608.032	1.894	4.165	419.844	190.958	182.976	7.982
1999	34628	15728.102	14939.351	788.752	2.278	5.015	446.736	202.950	192.730	10.220
2000	34316	15579.803	14641.999	937.804	2.733	6.019	437.174	198.541	186.535	12.006
2001	34614	15696.614	14567.118	1129.496	3.263	7.196	436.050	197.812	183.507	14.305
2002	34319	15519.777	14208.792	1310.985	3.820	8.447	428.057	193.668	177.223	16.445
2003	35110	15888.389	14339.305	1549.085	4.412	9.750	433.777	196.413	177.157	19.256
2004	33555	15091.573	13410.300	1681.272	5.011	11.140	410.370	184.701	164.005	20.696
2005	35446	15803.656	13794.777	2008.878	5.667	12.711	428.650	191.278	166.819	24.459
2006	34043	15100.563	12961.851	2138.713	6.282	14.163	408.027	181.174	155.356	25.818
2007	34073	14974.384	12608.233	2366.151	6.944	15.801	404.246	177.871	149.588	28.283
2008	37518	16406.197	13567.713	2838.485	7.566	17.301	440.221	192.768	159.200	33.568
2009	36930	16083.194	12999.379	3083.815	8.350	19.174	428.368	186.846	150.786	36.060
2010	36906	15927.400	12622.086	3305.314	8.956	20.752	423.101	182.917	144.704	38.213
2011	37771	16221.836	12549.643	3672.193	9.722	22.637	428.860	184.547	142.491	42.056
2012	38419	16358.849	12350.788	4008.062	10.433	24.501	431.655	184.202	138.768	45.434
2013	40291	16994.822	12492.123	4502.699	11.175	26.495	447.731	189.311	138.818	50.493
2014	40282	16855.093	12049.731	4805.363	11.929	28.510	442.609	185.696	132.401	53.295
2015	42430	17572.483	12285.036	5287.447	12.462	30.089	520.910	216.445	150.822	65.622
2016	42860	17579.955	11903.379	5676.576	13.245	32.290	521.011	214.473	144.700	69.773
2017	44653	18080.688	11851.892	6228.796	13.949	34.450	537.504	218.496	142.666	75.830
2018	45683	18209.262	11585.014	6624.248	14.501	36.378	544.501	217.960	138.083	79.876
2019	47240	18648.302	11469.106	7179.196	15.197	38.498	557.421	221.054	135.333	85.722
2020	48740	19002.597	11347.947	7654.650	15.705	40.282	651.104	255.266	151.595	103.671
2021	48780	18885.717	10857.342	8028.376	16.458	42.510	646.673	251.867	143.936	107.931
2022	50195	19235.076	10665.739	8569.337	17.072	44.551	660.125	254.582	140.267	114.315
2023	51620	19521.158	10456.297	9064.861	17.561	46.436	673.314	256.363	136.387	119.976
2024	52987	19918.620	10252.555	9666.065	18.242	48.528	685.567	259.583	132.651	126.933
2025	54032	20150.545	10001.271	10149.27	18.784	50.367	805.684	303.086	149.132	153.954
2026	54935	20393.792	9702.318	10691.47	19.462	52.425	815.634	305.582	144.052	161.529
2027	55808	20615.351	9380.201	11235.15	20.132	54.499	824.875	307.668	138.644	169.025
2028	56626	20731.894	9014.699	11717.20	20.692	56.518	833.034	308.115	132.617	175.498
2029	57405	20781.967	8629.421	12152.55	21.170	58.476	840.332	307.495	126.323	181.171
2030	57694	20753.201	8258.298	12494.90	21.657	60.207	997.748	363.487	142.818	220.670
2031	59321	21048.417	8135.519	12912.90	21.768	61.349	1023.90	368.165	140.421	227.744
2032	59883	21169.329	7797.757	13371.57	22.330	63.165	1030.96	369.560	134.249	235.311
2033	60405	21109.293	7424.615	13684.68	22.655	64.828	1036.81	367.618	127.439	240.179
2034	60852	21109.429	7055.353	14054.08	23.096	66.577	1041.01	366.613	120.697	245.915
2035	60238	20794.840	6676.641	14118.20	23.437	67.893	1258.67	442.268	139.508	302.760
2036	57318	19354.577	5941.414	13413.16	23.401	69.302	1198.64	412.258	124.247	288.010
2037	57314	19064.169	5503.299	13560.87	23.661	71.133	1198.72	406.385	115.102	291.283
2038	57277	18854.812	5144.953	13709.86	23.936	72.713	1197.15	401.900	107.535	294.364
2039	57231	18437.457	4727.661	13709.80	23.955	74.358	1194.26	392.602	98.653	293.949

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Control File Details for Run: 5

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S4C
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_4
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 5, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 5, Scenario: Ecig

Variable Parameter

- 1. Country
 - 2. Sex
 - 3. Assumption Set
- Note:

Value

US (United States)
M (Males)
S4C
Period is in Months

Age	Period	Initiation		Cessation			Re-initiation			
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.002401	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.002950	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000235	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000117	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000058	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.003680	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.005241	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000515	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000722	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000273	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.004312	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.005330	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.002456	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.000839	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000414	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.004118	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.005552	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000074	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.001689	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000827	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.002748	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.004735	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000380	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000298	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000149	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001573	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.003544	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000537	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000267	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000133	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 5, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 5, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	38001	41.18					
5	All Ages	CC	11489	12.45	0	0.00			
5	All Ages	Ecig	15868	17.19					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26932	29.18			15.18	1728	6.42
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2333	65.83					
5	18-19	CC	308	8.69	0	0.00			
5	18-19	Ecig	773	21.81					
5	18-19	Dual	0	0.00					
5	18-19	Former	130	3.67			1.10	90	69.23
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5603	61.98					
5	20-24	CC	939	10.39	0	0.00			
5	20-24	Ecig	1999	22.11					
5	20-24	Dual	0	0.00					
5	20-24	Former	499	5.52			2.77	151	30.26
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5433	55.35					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	1979	20.16					
5	25-29	Dual	0	0.00					
5	25-29	Former	1149	11.71			5.43	116	10.10
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

5	30-34	Never Any	5042	47.28					
5	30-34	CC	1480	13.88	0	0.00			
5	30-34	Ecig	2340	21.94					
5	30-34	Dual	0	0.00					
5	30-34	Former	1802	16.90			6.94	108	5.99
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4717	43.21					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2281	20.90					
5	35-39	Dual	0	0.00					
5	35-39	Former	2422	22.19			8.20	115	4.75
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1894	19.15					
5	40-44	Dual	0	0.00					
5	40-44	Former	2774	28.05			12.06	130	4.69
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1562	18.05					
5	45-49	Dual	0	0.00					
5	45-49	Former	2945	34.03			14.20	148	5.03
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	1015	15.58					
5	50-54	Dual	0	0.00					
5	50-54	Former	2641	40.54			15.98	175	6.63
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	762	13.91					
5	55-59	Dual	0	0.00					
5	55-59	Former	2364	43.16			17.21	122	5.16
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	572	11.48					
5	60-64	Dual	0	0.00					
5	60-64	Former	2477	49.71			17.27	143	5.77
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	360	7.34					
5	65-69	Dual	0	0.00					
5	65-69	Former	2899	59.10			20.44	196	6.76
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	196	4.47					
5	70-74	Dual	0	0.00					
5	70-74	Former	2730	62.23			22.00	137	5.02
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	135	3.86					
5	75-79	Dual	0	0.00					
5	75-79	Former	2100	60.02			23.02	97	4.62
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	38335	40.74					
10	All Ages	CC	4811	5.11	0	0.00			
10	All Ages	Ecig	21438	22.78					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29508	31.36			16.77	1763	5.97
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4465	50.48					
10	20-24	CC	437	4.94	0	0.00			
10	20-24	Ecig	2930	33.13					
10	20-24	Dual	0	0.00					
10	20-24	Former	1013	11.45			3.43	280	27.64
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5093	56.34					
10	25-29	CC	397	4.39	0	0.00			
10	25-29	Ecig	2572	28.45					
10	25-29	Dual	0	0.00					
10	25-29	Former	978	10.82			4.87	202	20.65
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5186	52.83					
10	30-34	CC	481	4.90	0	0.00			
10	30-34	Ecig	2688	27.38					
10	30-34	Dual	0	0.00					
10	30-34	Former	1461	14.88			8.61	124	8.49
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4962	46.53					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	3011	28.24					
10	35-39	Dual	0	0.00					
10	35-39	Former	2082	19.52			10.59	111	5.33
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4717	43.21					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	2861	26.21					
10	40-44	Dual	0	0.00					
10	40-44	Former	2771	25.38			11.81	126	4.55
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2312	23.38					
10	45-49	Dual	0	0.00					
10	45-49	Former	3152	31.87			15.25	163	5.17
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	1859	21.48					
10	50-54	Dual	0	0.00					
10	50-54	Former	3411	39.41			16.85	186	5.45
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1194	18.33					
10	55-59	Dual	0	0.00					

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		3039	46.65			18.50	146	4.80
10	60-64	Never Any		1611	29.41					
10	60-64	CC		306	5.59	0	0.00			
10	60-64	Ecig		852	15.56					
10	60-64	Dual		0	0.00					
10	60-64	Former		2708	49.44			19.63	144	5.32
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		244	4.90	0	0.00			
10	65-69	Ecig		603	12.10					
10	65-69	Dual		0	0.00					
10	65-69	Former		2799	56.17			19.95	120	4.29
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		236	4.81	0	0.00			
10	70-74	Ecig		327	6.67					
10	70-74	Dual		0	0.00					
10	70-74	Former		3173	64.69			23.44	94	2.96
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		214	4.88	0	0.00			
10	75-79	Ecig		229	5.22					
10	75-79	Dual		0	0.00					
10	75-79	Former		2921	66.58			25.38	67	2.29
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		36509	40.70					
15	All Ages	CC		1896	2.11	0	0.00			
15	All Ages	Ecig		20692	23.07					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		30608	34.12			18.35	1619	5.29
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4140	46.81					
15	25-29	CC		169	1.91	0	0.00			
15	25-29	Ecig		3008	34.01					
15	25-29	Dual		0	0.00					
15	25-29	Former		1528	17.28			6.29	201	13.15
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		4749	52.53					
15	30-34	CC		148	1.64	0	0.00			
15	30-34	Ecig		2702	29.89					
15	30-34	Dual		0	0.00					
15	30-34	Former		1441	15.94			7.30	182	12.63
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5052	51.47					
15	35-39	CC		188	1.92	0	0.00			

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

15	35-39	Ecig	2743	27.94					
15	35-39	Dual	0	0.00					
15	35-39	Former	1833	18.67			11.24	152	8.29
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4962	46.53					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	2975	27.90					
15	40-44	Dual	0	0.00					
15	40-44	Former	2496	23.41			13.29	201	8.05
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4717	43.21					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	2796	25.61					
15	45-49	Dual	0	0.00					
15	45-49	Former	3187	29.20			14.87	160	5.02
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	2180	22.04					
15	50-54	Dual	0	0.00					
15	50-54	Former	3555	35.95			18.19	154	4.33
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	1781	20.58					
15	55-59	Dual	0	0.00					
15	55-59	Former	3747	43.29			20.09	117	3.12
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	1100	16.88					
15	60-64	Dual	0	0.00					
15	60-64	Former	3353	51.47			21.47	156	4.65
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	705	12.87					
15	65-69	Dual	0	0.00					
15	65-69	Former	3037	55.45			22.19	118	3.89
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	441	8.85					
15	70-74	Dual	0	0.00					
15	70-74	Former	3076	61.73			22.89	112	3.64
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	261	5.32					
15	75-79	Dual	0	0.00					
15	75-79	Former	3355	68.40			27.01	66	1.97
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	35134	41.43					
20	All Ages	CC	729	0.86	0	0.00			
20	All Ages	Ecig	17694	20.87					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	31243	36.84			19.69	1553	4.97
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4004	45.27					
20	30-34	CC	64	0.72	0	0.00			
20	30-34	Ecig	2682	30.32					
20	30-34	Dual	0	0.00					
20	30-34	Former	2095	23.69			8.73	253	12.08
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4679	51.76					
20	35-39	CC	57	0.63	0	0.00			
20	35-39	Ecig	2355	26.05					
20	35-39	Dual	0	0.00					
20	35-39	Former	1949	21.56			9.67	148	7.59
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5052	51.47					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2499	25.46					
20	40-44	Dual	0	0.00					
20	40-44	Former	2197	22.38			13.87	147	6.69
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4962	46.53					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	2644	24.79					
20	45-49	Dual	0	0.00					
20	45-49	Former	2969	27.84			15.72	172	5.79
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4717	43.21					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2493	22.84					
20	50-54	Dual	0	0.00					
20	50-54	Former	3619	33.15			17.74	174	4.81
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	1859	18.80					
20	55-59	Dual	0	0.00					
20	55-59	Former	4004	40.49			20.81	181	4.52
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1428	16.50					
20	60-64	Dual	0	0.00					
20	60-64	Former	4228	48.85			22.41	241	5.70
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	809	12.42					
20	65-69	Dual	0	0.00					
20	65-69	Former	3727	57.21			24.03	133	3.57
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	574	10.48					
20	70-74	Dual	0	0.00					
20	70-74	Former	3223	58.85			25.75	61	1.89
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	351	7.04					
20	75-79	Dual	0	0.00					
20	75-79	Former	3232	64.86			26.66	43	1.33
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	33774	42.31					
25	All Ages	CC	285	0.36	0	0.00			
25	All Ages	Ecig	14641	18.34					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	31117	38.99			21.72	1114	3.58
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.			.	0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	3981	45.01					
25	35-39	CC	26	0.29	0	0.00			
25	35-39	Ecig	2243	25.36					
25	35-39	Dual	0	0.00					
25	35-39	Former	2595	29.34			11.53	155	5.97
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4679	51.76					
25	40-44	CC	18	0.20	0	0.00			
25	40-44	Ecig	2078	22.99					
25	40-44	Dual	0	0.00					

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25	40-44	Former	2265	25.06			12.91	122	5.39
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5052	51.47					
25	45-49	CC	29	0.30	0	0.00			
25	45-49	Ecig	2269	23.12					
25	45-49	Dual	0	0.00					
25	45-49	Former	2466	25.12			17.07	83	3.37
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4962	46.53					
25	50-54	CC	37	0.35	0	0.00			
25	50-54	Ecig	2410	22.60					
25	50-54	Dual	0	0.00					
25	50-54	Former	3255	30.52			19.07	131	4.02
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4717	43.21					
25	55-59	CC	33	0.30	0	0.00			
25	55-59	Ecig	2106	19.29					
25	55-59	Dual	0	0.00					
25	55-59	Former	4060	37.19			20.50	162	3.99
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	28	0.28	0	0.00			
25	60-64	Ecig	1443	14.59					
25	60-64	Dual	0	0.00					
25	60-64	Former	4477	45.27			23.28	205	4.58
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	43	0.50	0	0.00			
25	65-69	Ecig	1019	11.77					
25	65-69	Dual	0	0.00					
25	65-69	Former	4681	54.08			24.99	134	2.86
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	35	0.54	0	0.00			
25	70-74	Ecig	616	9.46					
25	70-74	Dual	0	0.00					
25	70-74	Former	3945	60.55			27.55	70	1.77
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	36	0.66	0	0.00			
25	75-79	Ecig	457	8.34					
25	75-79	Dual	0	0.00					
25	75-79	Former	3373	61.58			29.48	52	1.54
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	32163	43.26					
30	All Ages	CC	98	0.13	0	0.00			
30	All Ages	Ecig	11834	15.92					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	30245	40.68			23.82	944	3.12
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	3981	45.01					
30	40-44	CC	11	0.12	0	0.00			
30	40-44	Ecig	1967	22.24					
30	40-44	Dual	0	0.00					
30	40-44	Former	2886	32.63			15.06	122	4.23
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4679	51.76					
30	45-49	CC	4	0.04	0	0.00			
30	45-49	Ecig	1854	20.51					
30	45-49	Dual	0	0.00					
30	45-49	Former	2503	27.69			16.44	69	2.76
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5052	51.47					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	2088	21.27					
30	50-54	Dual	0	0.00					
30	50-54	Former	2667	27.17			20.53	102	3.82
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4962	46.53					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	2021	18.95					
30	55-59	Dual	0	0.00					
30	55-59	Former	3663	34.35			21.61	158	4.31
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4717	43.21					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	1616	14.80					
30	60-64	Dual	0	0.00					
30	60-64	Former	4573	41.89			22.86	204	4.46
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	1039	10.51					
30	65-69	Dual	0	0.00					
30	65-69	Former	4896	49.51			26.05	145	2.96
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	770	8.90					
30	70-74	Dual	0	0.00					
30	70-74	Former	4955	57.25			28.45	93	1.88
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	479	7.35					
30	75-79	Dual	0	0.00					
30	75-79	Former	4102	62.96			31.39	51	1.24
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	30244	44.59					
35	All Ages	CC	36	0.05	0	0.00			
35	All Ages	Ecig	9295	13.70					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	28250	41.65			25.72	801	2.84
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	3981	45.01					
35	45-49	CC	6	0.07	0	0.00			
35	45-49	Ecig	1747	19.75					
35	45-49	Dual	0	0.00					
35	45-49	Former	3111	35.17			18.78	66	2.12
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4679	51.76					
35	50-54	CC	2	0.02	0	0.00			
35	50-54	Ecig	1704	18.85					
35	50-54	Dual	0	0.00					
35	50-54	Former	2655	29.37			20.30	81	3.05
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5052	51.47					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1722	17.54					
35	55-59	Dual	0	0.00					
35	55-59	Former	3042	30.99			22.63	158	5.19
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4962	46.53					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	1548	14.52					
35	60-64	Dual	0	0.00					
35	60-64	Former	4145	38.87			23.75	187	4.51
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4717	43.21					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	1170	10.72					
35	65-69	Dual	0	0.00					
35	65-69	Former	5024	46.02			25.56	158	3.14
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	811	8.20					
35	70-74	Dual	0	0.00					
35	70-74	Former	5132	51.90			29.73	79	1.54
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	593	6.85					
35	75-79	Dual	0	0.00					
35	75-79	Former	5141	59.40			32.31	72	1.40
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	27332	46.19					
40	All Ages	CC	14	0.02	0	0.00			
40	All Ages	Ecig	6893	11.65					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	24931	42.13			27.27	722	2.90
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	50-54	Never Any		3981	45.01					
40	50-54	CC		3	0.03	0	0.00			
40	50-54	Ecig		1580	17.86					
40	50-54	Dual		0	0.00					
40	50-54	Former		3281	37.09			22.64	87	2.65
Year of Follow-up: 2030, Age Group: 55-59	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	55-59	Never Any		4679	51.76					
40	55-59	CC		1	0.01	0	0.00			
40	55-59	Ecig		1406	15.55					
40	55-59	Dual		0	0.00					
40	55-59	Former		2954	32.68			22.94	126	4.27
Year of Follow-up: 2030, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	60-64	Never Any		5052	51.47					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		1280	13.04					
40	60-64	Dual		0	0.00					
40	60-64	Former		3484	35.49			24.36	194	5.57
Year of Follow-up: 2030, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	65-69	Never Any		4962	46.53					
40	65-69	CC		4	0.04	0	0.00			
40	65-69	Ecig		1131	10.61					
40	65-69	Dual		0	0.00					
40	65-69	Former		4567	42.83			26.30	137	3.00
Year of Follow-up: 2030, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	70-74	Never Any		4717	43.21					
40	70-74	CC		3	0.03	0	0.00			
40	70-74	Ecig		881	8.07					
40	70-74	Dual		0	0.00					
40	70-74	Former		5315	48.69			29.01	95	1.79
Year of Follow-up: 2030, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	75-79	Never Any		3941	39.85					
40	75-79	CC		3	0.03	0	0.00			

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

40	75-79	Ecig	615	6.22					
40	75-79	Dual	0	0.00					
40	75-79	Former	5330	53.90			33.51	83	1.56
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	23391	47.46					
45	All Ages	CC	6	0.01	0	0.00			
45	All Ages	Ecig	4878	9.90					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	21006	42.62			28.66	555	2.64
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

45	55-59	Never Any	3981	45.01					
45	55-59	CC	2	0.02	0	0.00			
45	55-59	Ecig	1336	15.10					
45	55-59	Dual	0	0.00					
45	55-59	Former	3526	39.86			25.84	110	3.12
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4679	51.76					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	1111	12.29					
45	60-64	Dual	0	0.00					
45	60-64	Former	3250	35.95			25.57	135	4.15
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5052	51.47					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	935	9.53					
45	65-69	Dual	0	0.00					
45	65-69	Former	3829	39.01			26.92	107	2.79
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4962	46.53					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	860	8.06					
45	70-74	Dual	0	0.00					
45	70-74	Former	4841	45.40			29.65	104	2.15
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4717	43.21					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	636	5.83					
45	75-79	Dual	0	0.00					
45	75-79	Former	5560	50.93			32.60	99	1.78
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	18674	48.67					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	3090	8.05					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	16600	43.27			30.15	438	2.64
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	3981	45.01					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	990	11.19					
50	60-64	Dual	0	0.00					
50	60-64	Former	3874	43.80			28.26	144	3.72
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4679	51.76					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	768	8.50					
50	65-69	Dual	0	0.00					
50	65-69	Former	3593	39.75			27.85	133	3.70
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5052	51.47					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	691	7.04					
50	70-74	Dual	0	0.00					
50	70-74	Former	4073	41.49			30.14	81	1.99
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4962	46.53					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	641	6.01					
50	75-79	Dual	0	0.00					
50	75-79	Former	5060	47.45			33.24	80	1.58

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13148871	4509390.583	2987051.976	1522339	11.578	33.759	3806.31	1305.37	864.687	440.684

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	0.000	
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308577	122014.015	120877.266	1136.749	0.368	0.932	4729.73	1870.18	1852.75	17.424
1993	311713	122810.618	120675.303	2135.315	0.685	1.739	4692.62	1848.83	1816.68	32.146
1994	305700	119925.592	116642.271	3283.320	1.074	2.738	4516.19	1771.69	1723.19	48.505
1995	303225	117896.496	113270.329	4626.167	1.526	3.924	4393.80	1708.35	1641.31	67.034
1996	299559	115698.645	109593.028	6105.618	2.038	5.277	4273.16	1650.42	1563.33	87.096
1997	294226	113359.847	105764.541	7595.306	2.581	6.700	4128.67	1590.70	1484.12	106.580
1998	289258	111444.212	102355.074	9089.138	3.142	8.156	3992.19	1538.10	1412.65	125.444
1999	311002	114877.722	102718.490	12159.23	3.910	10.584	4224.60	1560.48	1395.31	165.169
2000	303786	112379.704	98504.154	13875.55	4.568	12.347	4066.21	1504.22	1318.49	185.726
2001	296294	110024.943	94314.518	15710.43	5.302	14.279	3914.28	1453.52	1245.97	207.547
2002	291898	108289.173	90519.404	17769.77	6.088	16.410	3813.00	1414.56	1182.43	232.122
2003	285865	106539.023	86949.009	19590.01	6.853	18.388	3695.36	1377.22	1123.98	253.239
2004	274177	103037.251	82114.255	20923.00	7.631	20.306	3506.10	1317.61	1050.05	267.558
2005	272379	103044.562	80201.406	22843.16	8.387	22.168	3442.69	1302.41	1013.69	288.722
2006	264118	99672.555	75194.866	24477.69	9.268	24.558	3307.76	1248.28	941.725	306.554
2007	258419	97839.152	71987.951	25851.20	10.004	26.422	3203.20	1212.75	892.317	320.435
2008	259461	98075.852	70485.780	27590.07	10.634	28.131	3180.09	1202.07	863.912	338.159
2009	253907	95617.338	66815.035	28802.30	11.344	30.122	3075.31	1158.11	809.261	348.852
2010	251878	94607.988	64442.578	30165.41	11.976	31.885	3013.72	1131.98	771.055	360.929
2011	251779	93633.119	61801.417	31831.70	12.643	33.996	2982.76	1109.25	732.146	377.102
2012	252643	92775.175	59311.775	33463.40	13.245	36.069	2960.61	1087.19	695.047	392.142
2013	256175	92345.780	57211.131	35134.65	13.715	38.047	2967.76	1069.82	662.785	407.031
2014	257393	91379.215	54848.507	36530.71	14.193	39.977	2947.05	1046.26	627.994	418.262
2015	259782	90750.242	52959.080	37791.16	14.547	41.643	3346.10	1168.90	682.135	486.766
2016	261453	88811.996	49725.873	39086.12	14.950	44.010	3336.15	1133.24	634.504	498.741
2017	263685	87325.126	47096.146	40228.98	15.256	46.068	3333.85	1104.08	595.451	508.628
2018	258714	87612.144	46353.540	41258.60	15.948	47.092	3240.73	1097.46	580.638	516.818
2019	261438	87797.760	45032.087	42765.67	16.358	48.709	3242.99	1089.08	558.598	530.484
2020	262288	87221.042	43579.942	43641.10	16.639	50.035	3715.29	1235.48	617.306	618.173
2021	255079	82001.292	38819.259	43182.03	16.929	52.660	3587.82	1153.39	546.012	607.377
2022	257097	81915.977	37350.350	44565.63	17.334	54.404	3588.53	1143.37	521.332	622.043
2023	259080	81810.810	35918.720	45892.09	17.713	56.095	3586.88	1132.64	497.283	635.362
2024	260719	81528.303	34502.710	47025.59	18.037	57.680	3579.65	1119.38	473.720	645.658
2025	257308	79599.213	32832.353	46766.86	18.175	58.753	4112.08	1272.09	524.699	747.389
2026	251528	75082.462	29191.799	45890.66	18.245	61.120	4003.24	1194.99	464.607	730.381
2027	250988	74444.425	27710.636	46733.79	18.620	62.777	3976.53	1179.46	439.034	740.427
2028	250285	73699.585	26159.146	47540.44	18.995	64.506	3945.35	1161.76	412.358	749.401
2029	249525	72819.703	24672.700	48147.00	19.295	66.118	3910.99	1141.36	386.713	754.643
2030	240528	69309.277	22983.908	46325.37	19.260	66.839	4504.36	1297.95	430.418	867.532
2031	235442	65433.368	20380.725	45052.64	19.135	68.853	4397.65	1222.18	380.676	841.505
2032	234017	64643.552	19159.035	45484.52	19.436	70.362	4356.12	1203.31	356.636	846.672
2033	232559	63793.514	18008.588	45784.93	19.687	71.771	4310.93	1182.54	333.824	848.712
2034	230963	63032.151	16923.682	46108.47	19.964	73.151	4260.75	1162.80	312.204	850.597
2035	215822	57653.301	15405.421	42247.88	19.575	73.279	4924.38	1315.47	351.504	963.966
2036	208183	52988.733	12935.951	40052.78	19.239	75.587	4748.94	1208.75	295.087	913.659
2037	205491	52026.921	12004.499	40022.42	19.476	76.926	4682.40	1185.50	273.539	911.964
2038	202834	50943.211	11088.477	39854.73	19.649	78.234	4612.18	1158.38	252.138	906.245
2039	200251	50085.991	10310.944	39775.05	19.863	79.414	4538.65	1135.19	233.696	901.495

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1723993.766	520994.3	16.993	23.207	887.537	649.875	499.059	150.817

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77987	62366.766	62237.572	129.193	0.166	0.207	1195.35	955.930	953.949	1.980
1993	78542	62652.888	62398.515	254.373	0.324	0.406	1182.39	943.195	939.365	3.829
1994	77437	61565.227	61163.823	401.404	0.518	0.652	1144.00	909.520	903.590	5.930
1995	76904	60851.961	60267.837	584.124	0.760	0.960	1114.36	881.759	873.295	8.464
1996	76232	60122.922	59308.526	814.395	1.068	1.355	1087.44	857.643	846.026	11.617
1997	75473	59237.155	58175.094	1062.060	1.407	1.793	1059.06	831.234	816.331	14.903
1998	75381	58906.696	57537.317	1369.379	1.817	2.325	1040.37	813.001	794.101	18.899
1999	73159	56930.073	55258.857	1671.216	2.284	2.936	993.781	773.329	750.628	22.702
2000	73784	57137.121	55072.525	2064.596	2.798	3.613	987.608	764.787	737.153	27.635
2001	73294	56481.726	53973.274	2508.453	3.422	4.441	968.273	746.169	713.031	33.139
2002	72442	55588.365	52613.366	2974.999	4.107	5.352	946.293	726.138	687.276	38.862
2003	71942	54945.856	51454.338	3491.519	4.853	6.354	929.989	710.281	665.146	45.135
2004	71301	54203.126	50142.468	4060.657	5.695	7.492	911.778	693.135	641.208	51.927
2005	70964	53744.603	49095.059	4649.544	6.552	8.651	896.937	679.296	620.528	58.767
2006	69658	52535.572	47268.112	5267.459	7.562	10.026	872.383	657.945	591.976	65.969
2007	68565	51492.124	45613.741	5878.383	8.573	11.416	849.888	638.264	565.399	72.865
2008	68226	51030.736	44411.967	6618.769	9.701	12.970	836.215	625.460	544.337	81.123
2009	67509	50276.199	42917.119	7359.080	10.901	14.637	817.667	608.943	519.811	89.133
2010	67196	49840.933	41739.024	8101.908	12.057	16.256	804.000	596.347	499.407	96.939
2011	66506	49072.841	40153.181	8919.660	13.412	18.176	787.880	581.354	475.685	105.669
2012	66155	48539.512	38742.553	9796.959	14.809	20.183	775.240	568.812	454.006	114.806
2013	65333	47675.741	37098.405	10577.34	16.190	22.186	756.876	552.318	429.781	122.537
2014	65033	47194.534	35803.082	11391.45	17.516	24.137	744.602	540.359	409.931	130.428
2015	64145	46305.842	34206.072	12099.77	18.863	26.130	726.215	526.439	440.589	155.850
2016	61618	44208.867	31696.807	12512.06	20.306	28.302	786.248	564.107	404.453	159.654
2017	59897	42702.624	29710.264	12992.36	21.691	30.425	757.297	539.903	375.636	164.266
2018	62468	44321.202	29725.700	14595.50	23.365	32.931	782.490	555.181	372.353	182.828
2019	63045	44493.088	28828.830	15664.26	24.846	35.206	782.035	551.912	357.605	194.306
2020	63466	44529.551	27867.589	16661.96	26.253	37.418	898.991	630.757	394.742	236.015
2021	57113	39852.556	23975.344	15877.21	27.800	39.840	803.323	560.546	337.225	223.321
2022	57440	39853.685	22985.584	16868.10	29.366	42.325	801.745	556.274	320.830	235.443
2023	57738	39847.050	22004.227	17842.82	30.903	44.778	799.366	551.670	304.642	247.028
2024	57942	39726.010	21017.645	18708.37	32.288	47.093	795.539	545.435	288.571	256.865
2025	57521	39207.348	19915.353	19291.99	33.539	49.205	919.257	626.579	318.270	308.308
2026	51428	34803.960	16873.890	17930.07	34.864	51.517	818.510	553.929	268.559	285.369
2027	51172	34484.595	15895.856	18588.74	36.326	53.904	810.740	546.357	251.846	294.511
2028	50870	34100.638	14891.759	19208.88	37.761	56.330	801.884	537.544	234.745	302.798
2029	50540	33669.838	13940.498	19729.34	39.037	58.596	792.146	527.732	218.500	309.232
2030	49109	32557.688	12907.449	19650.24	40.013	60.355	919.662	609.705	241.717	367.988
2031	43585	28646.393	10786.684	17859.71	40.976	62.345	814.096	535.065	201.476	333.588
2032	43163	28227.160	10050.052	18177.11	42.113	64.396	803.454	525.435	187.077	338.358
2033	42725	27786.623	9361.605	18425.02	43.124	66.309	791.996	515.079	173.535	341.543
2034	42256	27348.299	8722.538	18625.76	44.079	68.106	779.523	504.514	160.911	343.603
2035	39748	25570.077	7883.988	17686.09	44.495	69.167	906.933	583.430	179.888	403.542
2036	34030	21717.319	6206.834	15510.49	45.579	71.420	776.269	495.402	141.586	353.815
2037	33454	21256.024	5720.530	15535.49	46.439	73.087	762.289	484.347	130.350	353.997
2038	32883	20747.175	5252.772	15494.40	47.120	74.682	747.720	471.764	119.441	352.323
2039	32325	20327.688	4864.119	15463.57	47.838	76.071	732.644	460.724	110.244	350.479

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6360041	1098877.421	516561.428	582316.0	9.156	52.992	1841.09	318.101	149.533	168.568

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164548	36137.488	35292.963	844.525	0.513	2.337	2522.12	553.899	540.955	12.945
1993	164362	35599.588	34035.946	1563.641	0.951	4.392	2474.35	535.926	512.387	23.540
1994	159866	34336.757	31950.255	2386.502	1.493	6.950	2361.75	507.267	472.010	35.256
1995	158083	33455.759	30119.149	3336.610	2.111	9.973	2290.66	484.782	436.433	48.348
1996	154875	32193.824	27848.952	4344.872	2.805	13.496	2209.26	459.239	397.260	61.979
1997	149970	30665.509	25343.405	5322.104	3.549	17.355	2104.43	430.308	355.627	74.681
1998	145407	29188.430	22951.387	6237.044	4.289	21.368	2006.83	402.844	316.763	86.081
1999	165952	33375.386	24697.075	8678.311	5.229	26.002	2254.27	453.366	335.481	117.885
2000	160260	32024.754	22306.768	9717.986	6.064	30.345	2145.10	428.655	298.579	130.076
2001	154444	30682.393	19885.325	10797.07	6.991	35.190	2040.33	405.339	262.701	142.638
2002	151887	30218.370	18156.090	12062.28	7.942	39.917	1984.06	394.736	237.169	157.567
2003	146733	29175.202	16180.437	12994.76	8.856	44.540	1896.81	377.146	209.163	167.982
2004	138381	27488.687	14010.906	13477.78	9.740	49.030	1769.58	351.518	179.168	172.350
2005	135881	27017.439	12669.888	14347.55	10.559	53.105	1717.44	341.482	160.139	181.343
2006	131922	26231.435	11144.789	15086.65	11.436	57.514	1652.16	328.517	139.575	188.942
2007	126502	25103.049	9705.811	15397.24	12.172	61.336	1568.04	311.161	120.307	190.854
2008	125859	24621.740	8742.389	15879.35	12.617	64.493	1542.60	301.777	107.151	194.626
2009	122428	23741.177	7708.160	16033.02	13.096	67.533	1482.84	287.552	93.361	194.191
2010	120537	23189.160	6902.998	16286.16	13.511	70.232	1442.22	277.458	82.594	194.864
2011	120221	22786.927	6154.165	16632.76	13.835	72.993	1424.23	269.951	72.907	197.044
2012	120927	22485.295	5546.278	16939.02	14.008	75.334	1417.09	263.495	64.994	198.501
2013	122648	22251.884	5035.343	17216.54	14.037	77.371	1420.86	257.786	58.334	199.452
2014	123229	21894.593	4551.659	17342.93	14.074	79.211	1410.92	250.685	52.115	198.570
2015	123774	21471.109	4130.222	17340.89	14.010	80.764	1594.26	276.557	53.199	223.358
2016	126218	21411.568	3757.309	17654.26	13.987	82.452	1610.55	273.213	47.943	225.269
2017	128265	21169.399	3422.759	17746.64	13.836	83.832	1621.69	267.651	43.275	224.376
2018	121429	19830.576	2927.692	16902.88	13.920	85.236	1521.05	248.404	36.673	211.731
2019	121832	19431.014	2671.534	16759.48	13.756	86.251	1511.26	241.031	33.139	207.892
2020	120811	18532.612	2387.282	16145.33	13.364	87.118	1711.27	262.513	33.816	228.697
2021	119407	18234.128	2157.656	16076.47	13.464	88.167	1679.51	256.472	30.349	226.124
2022	119438	17812.559	1962.771	15849.79	13.270	88.981	1667.10	248.626	27.396	221.230
2023	119445	17361.668	1786.418	15575.25	13.040	89.711	1653.68	240.367	24.732	215.634
2024	119305	16929.676	1646.181	15283.50	12.810	90.276	1638.05	232.443	22.602	209.841
2025	115685	15501.666	1439.154	14062.51	12.156	90.716	1848.78	247.735	22.999	224.735
2026	115073	15523.814	1361.121	14162.69	12.308	91.232	1831.46	247.072	21.663	225.409
2027	113989	15073.070	1265.929	13807.14	12.113	91.601	1805.98	238.810	20.057	218.754
2028	112855	14636.710	1170.471	13466.24	11.932	92.003	1778.98	230.725	18.451	212.274
2029	111718	14180.166	1089.455	13090.71	11.718	92.317	1751.04	222.256	17.076	205.180
2030	104851	12111.772	906.338	11205.43	10.687	92.517	1963.54	226.816	16.973	209.843
2031	105289	12417.367	907.452	11509.91	10.932	92.692	1966.62	231.935	16.950	214.985
2032	103879	12054.064	856.120	11197.94	10.780	92.898	1933.67	224.381	15.936	208.444
2033	102485	11672.389	801.780	10870.61	10.607	93.131	1899.76	216.370	14.863	201.508
2034	101070	11365.762	762.928	10602.83	10.491	93.287	1864.51	209.673	14.074	195.598
2035	90820	8580.360	561.850	8018.510	8.829	93.452	2072.23	195.777	12.820	182.958
2036	92117	8948.841	576.278	8372.563	9.089	93.560	2101.31	204.135	13.146	190.990
2037	90327	8624.570	552.085	8072.485	8.937	93.599	2058.21	196.522	12.580	183.942
2038	88590	8315.017	521.079	7793.938	8.798	93.733	2014.42	189.073	11.849	177.224
2039	86921	8001.132	491.693	7509.439	8.639	93.855	1970.05	181.344	11.144	170.200

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	1489699	149918.462	69667.866	80250.60	5.387	53.529	431.236	43.398	20.167	23.231

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	0.000	
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.505	105.068	0.327	2.359	492.014	68.262	66.652	1.610
1993	32896	4462.473	4263.949	198.524	0.603	4.449	495.226	67.179	64.191	2.989
1994	33323	4499.513	4186.132	313.381	0.940	6.965	492.290	66.473	61.843	4.630
1995	33569	4472.774	4028.417	444.357	1.324	9.935	486.422	64.812	58.373	6.439
1996	33870	4406.878	3817.694	589.184	1.740	13.370	483.150	62.863	54.459	8.405
1997	33516	4288.158	3552.027	736.131	2.196	17.167	470.307	60.173	49.843	10.330
1998	32795	4120.148	3249.789	870.359	2.654	21.124	452.620	56.864	44.852	12.012
1999	33375	3982.443	2978.383	1004.060	3.008	25.212	453.361	54.097	40.458	13.639
2000	33459	4021.411	2841.136	1180.275	3.528	29.350	447.853	53.827	38.029	15.798
2001	32275	3848.092	2549.285	1298.807	4.024	33.752	426.379	50.836	33.678	17.158
2002	31586	3783.081	2345.754	1437.327	4.551	37.994	412.601	49.418	30.642	18.775
2003	30985	3754.415	2163.741	1590.674	5.134	42.368	400.541	48.533	27.971	20.563
2004	29884	3666.274	1959.773	1706.501	5.710	46.546	382.149	46.883	25.061	21.822
2005	28708	3589.688	1772.920	1816.768	6.328	50.611	362.850	45.371	22.409	22.963
2006	28188	3596.985	1629.051	1967.934	6.981	54.711	353.021	45.048	20.402	24.646
2007	28026	3560.798	1480.993	2079.805	7.421	58.408	347.392	44.137	18.357	25.780
2008	27128	3417.001	1305.175	2111.826	7.785	61.803	332.495	41.881	15.997	25.884
2009	27068	3394.390	1190.057	2204.332	8.144	64.940	327.847	41.113	14.414	26.699
2010	26911	3340.137	1079.151	2260.986	8.402	67.691	321.990	39.965	12.912	27.053
2011	26959	3285.435	974.789	2310.646	8.571	70.330	319.377	38.922	11.548	27.374
2012	27057	3259.209	881.789	2377.420	8.787	72.945	317.068	38.193	10.333	27.860
2013	27904	3274.703	811.854	2462.848	8.826	75.208	323.265	37.937	9.405	28.532
2014	28792	3298.083	747.421	2550.662	8.859	77.338	329.657	37.762	8.558	29.204
2015	29560	3244.406	679.725	2564.681	8.676	79.049	380.745	41.789	8.755	33.034
2016	30513	3314.836	636.697	2678.140	8.777	80.793	389.347	42.297	8.124	34.173
2017	31416	3333.314	588.300	2745.014	8.738	82.351	397.202	42.144	7.438	34.706
2018	29348	2925.242	479.321	2445.921	8.334	83.614	367.626	36.642	6.004	30.638
2019	29598	2864.628	435.866	2428.762	8.206	84.785	367.149	35.534	5.407	30.127
2020	29592	2730.366	387.298	2343.068	7.918	85.815	419.174	38.675	5.486	33.189
2021	30097	2647.911	349.483	2298.427	7.637	86.802	423.328	37.244	4.916	32.329
2022	30304	2586.165	316.612	2269.552	7.489	87.757	422.974	36.097	4.419	31.678
2023	30505	2517.960	287.422	2230.538	7.312	88.585	422.337	34.860	3.979	30.881
2024	30661	2454.161	263.675	2190.485	7.144	89.256	420.968	33.695	3.620	30.075
2025	30254	2275.364	230.891	2044.473	6.758	89.853	483.488	36.363	3.690	32.673
2026	30685	2183.166	209.564	1973.602	6.432	90.401	488.380	34.747	3.335	31.411
2027	30561	2112.345	193.035	1919.309	6.280	90.862	484.196	33.467	3.058	30.409
2028	30412	2046.677	177.986	1868.690	6.145	91.304	479.392	32.263	2.806	29.457
2029	30254	1977.671	164.480	1813.191	5.993	91.683	474.195	30.997	2.578	28.419
2030	29330	1744.457	139.711	1604.746	5.471	91.991	549.260	32.668	2.616	30.052
2031	28976	1653.738	128.218	1525.519	5.265	92.247	541.223	30.889	2.395	28.494
2032	28724	1603.120	119.453	1483.667	5.165	92.549	534.690	29.841	2.224	27.618
2033	28464	1548.245	111.617	1436.627	5.047	92.791	527.627	28.700	2.069	26.631
2034	28178	1511.985	105.905	1406.080	4.990	92.996	519.826	27.893	1.954	25.939
2035	26737	1239.866	84.684	1155.182	4.320	93.170	610.065	28.290	1.932	26.358
2036	25591	1182.522	78.914	1103.608	4.313	93.327	583.762	26.975	1.800	25.175
2037	25143	1134.483	75.268	1059.215	4.213	93.365	572.916	25.851	1.715	24.136
2038	24693	1093.537	70.882	1022.655	4.141	93.518	561.491	24.866	1.612	23.254
2039	24247	1047.905	66.396	981.509	4.048	93.664	549.553	23.751	1.505	22.246

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	676828.916	338777.7	15.170	33.357	646.447	293.996	195.927	98.069

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.226	57.963	0.171	0.304	520.248	292.085	291.196	0.888
1993	35913	20095.670	19976.893	118.776	0.331	0.591	540.645	302.526	300.738	1.788
1994	35074	19524.095	19342.062	182.033	0.519	0.932	518.158	288.435	285.746	2.689
1995	34669	19116.002	18854.926	261.076	0.753	1.366	502.362	276.995	273.212	3.783
1996	34582	18975.021	18617.855	357.166	1.033	1.882	493.306	270.675	265.580	5.095
1997	35267	19169.025	18694.014	475.010	1.347	2.478	494.878	268.986	262.320	6.665
1998	35675	19228.937	18616.581	612.357	1.716	3.185	492.368	265.388	256.937	8.451
1999	38516	20589.820	19784.176	805.645	2.092	3.913	523.195	279.689	268.745	10.944
2000	36283	19196.417	18283.724	912.693	2.515	4.754	485.652	256.946	244.730	12.217
2001	36281	19012.731	17906.633	1106.098	3.049	5.818	479.301	251.174	236.561	14.612
2002	35983	18699.357	17404.193	1295.164	3.599	6.926	470.038	244.265	227.347	16.918
2003	36205	18663.550	17150.493	1513.057	4.179	8.107	468.019	241.262	221.703	19.559
2004	34611	17679.164	16001.108	1678.056	4.848	9.492	442.596	226.076	204.618	21.459
2005	36826	18692.832	16663.539	2029.293	5.510	10.856	465.456	236.265	210.616	25.649
2006	34350	17308.564	15152.914	2155.650	6.276	12.454	430.192	216.769	189.772	26.997
2007	35326	17683.181	15187.406	2495.776	7.065	14.114	437.879	219.189	188.253	30.936
2008	38248	19006.374	16026.249	2980.125	7.792	15.680	468.788	232.952	196.426	36.526
2009	36902	18205.573	14999.700	3205.873	8.688	17.609	446.956	220.505	181.676	38.829
2010	37234	18237.758	14721.404	3516.355	9.444	19.281	445.505	218.215	176.142	42.073
2011	38093	18487.916	14519.282	3968.635	10.418	21.466	451.279	219.022	172.006	47.015
2012	38504	18491.158	14141.155	4350.003	11.298	23.525	451.211	216.689	165.714	50.976
2013	40290	19143.452	14265.529	4877.923	12.107	25.481	466.755	221.775	165.265	56.510
2014	40339	18992.005	13746.345	5245.660	13.004	27.620	461.866	217.451	157.390	60.061
2015	42303	19728.885	13943.061	5785.823	13.677	29.327	544.880	254.116	179.593	74.524
2016	43104	19876.724	13635.061	6241.663	14.480	31.402	550.009	253.628	173.984	79.644
2017	44107	20119.790	13374.823	6744.967	15.292	33.524	557.659	254.381	169.102	85.279
2018	45469	20535.123	13220.828	7314.296	16.086	35.618	569.564	257.229	165.608	91.621
2019	46963	21009.029	13095.858	7913.171	16.850	37.666	582.552	260.605	162.447	98.158
2020	48419	21428.512	12937.774	8490.738	17.536	39.624	685.853	303.533	183.263	120.271
2021	48463	21266.697	12336.775	8929.922	18.426	41.990	681.652	299.127	173.523	125.604
2022	49915	21663.568	12085.383	9578.185	19.189	44.213	696.712	302.378	168.687	133.691
2023	51391	22084.131	11840.653	10243.48	19.932	46.384	711.491	305.748	163.930	141.818
2024	52811	22418.456	11575.210	10843.25	20.532	48.367	725.093	307.804	158.927	148.877
2025	53848	22614.834	11246.954	11367.88	21.111	50.267	860.553	361.411	179.739	181.672
2026	54342	22571.522	10747.224	11824.30	21.759	52.386	864.886	359.241	171.049	188.192
2027	55267	22774.416	10355.816	12418.60	22.470	54.529	875.619	360.827	164.072	196.754
2028	56149	22915.561	9918.929	12996.63	23.147	56.715	885.102	361.228	156.357	204.872
2029	57014	22992.027	9478.267	13513.76	23.703	58.776	893.616	360.371	148.560	211.811
2030	57238	22895.360	9030.410	13864.95	24.223	60.558	1071.90	428.760	169.112	259.648
2031	57592	22715.871	8558.371	14157.50	24.582	62.324	1075.71	424.293	159.855	264.437
2032	58251	22759.207	8133.410	14625.80	25.108	64.263	1084.31	423.652	151.400	272.252
2033	58885	22786.258	7733.585	15052.67	25.563	66.060	1091.54	422.387	143.357	279.030
2034	59460	22806.106	7332.310	15473.80	26.024	67.849	1096.89	420.721	135.264	285.456
2035	58516	22262.998	6874.900	15388.10	26.297	69.120	1335.15	507.973	156.864	351.109
2036	56446	21140.051	6073.925	15066.13	26.691	71.268	1287.60	482.234	138.555	343.679
2037	56568	21011.845	5656.616	15355.23	27.145	73.079	1288.98	478.783	128.894	349.889
2038	56668	20787.483	5243.744	15543.74	27.430	74.775	1288.55	472.681	119.236	353.445
2039	56758	20709.267	4888.736	15820.53	27.874	76.393	1286.40	469.372	110.802	358.570

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13291538	4509390.583	3004990.195	1504400	11.318	33.362	3815.59	1305.37	862.641	442.730

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	6.614
1992	308580	122014.015	120878.384	1135.631	0.368	0.931	4729.74	1870.18	17.419
1993	311723	122810.618	120679.290	2131.328	0.684	1.735	4692.65	1848.83	32.130
1994	305723	119925.592	116651.440	3274.152	1.071	2.730	4516.28	1771.69	48.469
1995	303268	117896.496	113286.957	4609.539	1.520	3.910	4393.95	1708.35	66.968
1996	299629	115698.645	109619.575	6079.070	2.029	5.254	4273.40	1650.42	86.991
1997	294330	113359.847	105803.544	7556.302	2.567	6.666	4129.04	1590.70	106.426
1998	289405	111444.212	102409.037	9035.175	3.122	8.107	3992.71	1538.10	125.231
1999	311218	114877.722	102792.652	12085.07	3.883	10.520	4225.40	1560.48	164.870
2000	304071	112379.704	98600.215	13779.49	4.532	12.262	4067.26	1504.22	185.338
2001	296654	110024.943	94433.354	15591.59	5.256	14.171	3915.60	1453.52	207.070
2002	292345	108289.173	90663.233	17625.94	6.029	16.277	3814.65	1414.56	231.542
2003	286406	106539.023	87119.232	19419.79	6.781	18.228	3697.37	1377.22	252.552
2004	274805	103037.251	82308.642	20728.61	7.543	20.118	3508.45	1317.61	266.773
2005	273120	103044.562	80426.630	22617.93	8.281	21.950	3445.47	1302.41	287.813
2006	264961	99672.555	75442.138	24230.42	9.145	24.310	3310.95	1248.28	305.554
2007	259376	97839.152	72262.002	25577.15	9.861	26.142	3206.84	1212.75	319.327
2008	260562	98075.852	70793.048	27282.80	10.471	27.818	3184.31	1202.07	336.916
2009	255134	95617.338	67146.581	28470.76	11.159	29.776	3080.04	1158.11	347.504
2010	253248	94607.988	64802.989	29805.00	11.769	31.504	3019.01	1131.98	359.457
2011	253310	93633.119	62188.050	31445.07	12.414	33.583	2988.73	1109.25	375.509
2012	254350	92775.175	59724.038	33051.14	12.994	35.625	2967.32	1087.19	390.433
2013	258091	92345.780	57651.430	34694.35	13.443	37.570	2975.36	1069.82	405.191
2014	259513	91379.215	55314.233	36064.98	13.897	39.467	2955.52	1046.26	416.298
2015	262135	90750.242	53452.333	37297.91	14.229	41.100	3354.49	1168.90	484.883
2016	264033	88811.996	50231.377	38580.62	14.612	43.441	3345.45	1133.24	496.784
2017	266514	87325.126	47616.607	39708.52	14.899	45.472	3344.21	1104.08	506.588
2018	261706	87612.144	46907.787	40704.36	15.553	46.460	3251.72	1097.46	514.623
2019	264699	87797.760	45613.428	42184.33	15.937	48.047	3255.12	1089.08	528.153
2020	265832	87221.042	44187.076	43033.97	16.188	49.339	3726.43	1235.48	619.415
2021	258761	82001.292	39400.035	42601.26	16.464	51.952	3599.52	1153.39	605.311
2022	261053	81915.977	37946.797	43969.18	16.843	53.676	3601.35	1143.37	619.882
2023	263324	81810.810	36529.691	45281.12	17.196	55.349	3600.88	1132.64	633.111
2024	265258	81528.303	35126.935	46401.37	17.493	56.914	3594.92	1119.38	643.318
2025	262127	79599.213	33466.052	46133.16	17.600	57.957	4125.12	1272.09	745.428
2026	256490	75082.462	29790.173	45292.29	17.659	60.323	4016.82	1194.99	728.453
2027	256211	74444.425	28310.610	46133.82	18.006	61.971	3991.30	1179.46	738.432
2028	255770	73699.585	26757.072	46942.51	18.353	63.694	3961.37	1161.76	747.346
2029	255277	72819.703	25266.640	47553.06	18.628	65.302	3928.32	1141.36	752.542
2030	246481	69309.277	23571.471	45737.81	18.556	65.991	4518.52	1297.95	865.835
2031	241505	65433.368	20925.977	44507.39	18.429	68.019	4411.98	1222.18	839.892
2032	240317	64643.552	19695.372	44948.18	18.704	69.532	4371.65	1203.31	845.026
2033	239093	63793.514	18535.976	45257.54	18.929	70.944	4327.70	1182.54	847.027
2034	237728	63032.151	17441.572	45590.58	19.178	72.329	4278.78	1162.80	848.876
2035	222600	57653.301	15905.411	41747.89	18.755	72.412	4939.45	1315.47	962.533
2036	214888	52988.733	13368.097	39620.64	18.438	74.772	4762.75	1208.75	912.457
2037	212340	52026.921	12419.983	39606.94	18.653	76.128	4697.08	1185.50	910.766
2038	209823	50943.211	11485.929	39457.28	18.805	77.453	4627.78	1158.38	905.053
2039	207375	50085.991	10692.783	39393.21	18.996	78.651	4555.15	1135.19	900.316

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3095727	2244988.113	1734572.535	510415.6	16.488	22.736	888.688	649.875	497.943	151.933

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77988	62366.766	62238.154	128.612	0.165	0.206	1195.35	955.930	953.952	1.978
1993	78545	62652.888	62400.589	252.299	0.321	0.403	1182.40	943.195	939.374	3.821
1994	77443	61565.227	61168.662	396.565	0.512	0.644	1144.02	909.520	903.610	5.910
1995	76915	60851.961	60276.734	575.227	0.748	0.945	1114.40	881.759	873.330	8.428
1996	76251	60122.922	59322.973	799.949	1.049	1.331	1087.51	857.643	846.083	11.560
1997	75501	59237.155	58196.661	1040.494	1.378	1.756	1059.17	831.234	816.417	14.817
1998	75421	58906.696	57567.829	1338.867	1.775	2.273	1040.53	813.001	794.223	18.777
1999	73212	56930.073	55299.008	1631.065	2.228	2.865	993.996	773.329	750.792	22.537
2000	73856	57137.121	55126.491	2010.630	2.722	3.519	987.900	764.787	737.373	27.414
2001	73387	56481.726	54041.643	2440.083	3.325	4.320	968.647	746.169	713.308	32.861
2002	72557	55588.365	52697.499	2890.866	3.984	5.200	946.763	726.138	687.621	38.517
2003	72083	54945.856	51555.601	3390.255	4.703	6.170	930.560	710.281	665.560	44.721
2004	71470	54203.126	50261.839	3941.287	5.515	7.271	912.463	693.135	641.696	51.439
2005	71164	53744.603	49233.779	4510.824	6.339	8.393	897.747	679.296	621.095	58.200
2006	69888	52535.572	47424.560	5111.011	7.313	9.729	873.316	657.945	592.617	65.328
2007	68827	51492.124	45788.561	5703.563	8.287	11.077	850.955	638.264	566.115	72.148
2008	68524	51030.736	44606.875	6423.860	9.375	12.588	837.431	625.460	545.136	80.324
2009	67845	50276.199	43131.358	7144.841	10.531	14.211	819.037	608.943	520.692	88.251
2010	67572	49840.933	41973.870	7867.062	11.642	15.784	805.542	596.347	500.377	95.969
2011	66923	49072.841	40405.931	8666.910	12.951	17.661	789.601	581.354	476.739	104.615
2012	66614	48539.512	39013.326	9526.186	14.300	19.626	777.142	568.812	455.140	113.672
2013	65835	47675.741	37385.305	10290.44	15.631	21.584	758.964	552.318	430.991	121.328
2014	65583	47194.534	36108.670	11085.86	16.903	23.490	746.912	540.359	411.232	129.127
2015	64740	46305.842	34525.949	11779.89	18.196	25.439	728.463	526.439	401.822	154.617
2016	62241	44208.867	32020.389	12188.48	19.583	27.570	708.629	514.107	405.717	158.390
2017	60555	42702.624	30039.872	12662.75	20.911	29.653	693.840	503.903	376.939	162.964
2018	63208	44321.202	30082.597	14238.61	22.526	32.126	675.368	505.181	373.778	181.402
2019	63850	44493.088	29202.426	15290.66	23.948	34.366	660.196	505.912	359.115	192.796
2020	64340	44529.551	28256.828	16272.72	25.292	36.544	648.916	505.757	396.104	234.653
2021	57957	39852.556	24335.372	15517.18	26.774	38.936	636.213	505.546	338.520	222.027
2022	58345	39853.685	23353.970	16499.71	28.280	41.401	624.889	505.274	322.178	234.096
2023	58705	39847.050	22379.816	17467.23	29.754	43.836	613.779	505.670	306.038	245.632
2024	58973	39726.010	21399.165	18326.85	31.077	46.133	603.235	505.435	290.014	255.422
2025	58614	39207.348	20300.431	18906.92	32.257	48.223	592.418	505.579	319.470	307.108
2026	52462	34803.960	17220.779	17583.18	33.516	50.521	581.599	505.929	269.690	284.239
2027	52257	34484.595	16240.989	18243.61	34.911	52.904	571.075	506.357	253.005	293.352
2028	52006	34100.638	15232.985	18867.65	36.280	55.329	560.475	506.544	235.929	301.615
2029	51727	33669.838	14276.805	19393.03	37.491	57.598	549.001	506.732	219.698	308.034
2030	50338	32557.688	13237.537	19320.15	38.381	59.341	537.803	506.705	242.672	367.034
2031	44723	28646.393	11075.569	17570.82	39.288	61.337	526.028	506.065	202.336	332.729
2032	44340	28227.160	10331.590	17895.57	40.360	63.398	514.603	505.435	187.944	337.491
2033	43942	27786.623	9635.821	18150.80	41.306	65.322	503.369	505.079	174.413	340.666
2034	43510	27348.299	8989.383	18358.92	42.195	67.130	492.119	504.514	161.797	342.718
2035	41007	25570.077	8139.393	17430.68	42.507	68.168	480.929	503.430	180.611	402.819
2036	35129	21717.319	6413.022	15304.30	43.566	70.470	469.595	495.402	142.138	353.264
2037	34572	21256.024	5917.282	15338.74	44.368	72.162	464.748	484.347	130.894	353.453
2038	34019	20747.175	5439.765	15307.41	44.996	73.781	459.315	471.764	119.978	351.786
2039	33478	20327.688	5042.861	15284.83	45.656	75.192	453.370	460.724	110.770	349.954

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6423068	1098877.421	517749.021	581128.4	9.048	52.884	1843.87	318.101	148.630	169.471

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000	
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164549	36137.488	35293.294	844.194	0.513	2.336	2522.12	553.899	540.956	12.943
1993	164367	35599.588	34037.098	1562.489	0.951	4.389	2474.37	535.926	512.392	23.535
1994	159878	34336.757	31952.822	2383.935	1.491	6.943	2361.79	507.267	472.021	35.246
1995	158105	33455.759	30123.691	3332.068	2.108	9.960	2290.74	484.782	436.453	48.329
1996	154911	32193.824	27855.896	4337.928	2.800	13.474	2209.39	459.239	397.290	61.950
1997	150023	30665.509	25353.046	5312.463	3.541	17.324	2104.61	430.308	355.668	74.641
1998	145480	29188.430	22963.871	6224.560	4.279	21.325	2007.09	402.844	316.817	86.027
1999	166067	33375.386	24715.418	8659.968	5.215	25.947	2254.68	453.366	335.560	117.806
2000	160410	32024.754	22329.183	9695.571	6.044	30.275	2145.65	428.655	298.676	129.980
2001	154631	30682.393	19911.149	10771.24	6.966	35.106	2041.01	405.339	262.812	142.527
2002	152119	30218.370	18185.739	12032.63	7.910	39.819	1984.91	394.736	237.296	157.440
2003	147009	29175.202	16212.918	12962.28	8.817	44.429	1897.82	377.146	209.301	167.844
2004	138696	27488.687	14044.812	13443.87	9.693	48.907	1770.73	351.518	179.311	172.207
2005	136248	27017.439	12706.124	14311.32	10.504	52.971	1718.80	341.482	160.291	181.192
2006	132339	26231.435	11181.891	15049.54	11.372	57.372	1653.71	328.517	139.729	188.788
2007	126966	25103.049	9743.044	15360.01	12.098	61.188	1569.76	311.161	120.460	190.701
2008	126388	24621.740	8780.688	15841.05	12.534	64.338	1544.57	301.777	107.308	194.469
2009	123013	23741.177	7746.414	15994.76	13.002	67.371	1485.04	287.552	93.517	194.036
2010	121184	23189.160	6941.345	16247.81	13.408	70.066	1444.65	277.458	82.749	194.709
2011	120941	22786.927	6192.147	16594.78	13.721	72.826	1426.95	269.951	73.059	196.892
2012	121732	22485.295	5584.145	16901.15	13.884	75.165	1420.16	263.495	65.146	198.349
2013	123551	22251.884	5073.148	17178.74	13.904	77.201	1424.34	257.786	58.485	199.301
2014	124228	21894.593	4589.082	17305.51	13.930	79.040	1414.80	250.685	52.264	198.421
2015	124877	21471.109	4167.372	17303.74	13.857	80.591	1598.02	276.557	53.329	223.228
2016	127443	21411.568	3793.948	17617.62	13.824	82.281	1614.78	273.213	48.072	225.141
2017	129619	21169.399	3458.810	17710.59	13.664	83.661	1626.46	267.651	43.401	224.250
2018	122801	19830.576	2960.403	16870.17	13.738	85.072	1525.81	248.404	36.783	211.621
2019	123315	19431.014	2703.446	16727.57	13.565	86.087	1516.46	241.031	33.245	207.785
2020	122409	18532.612	2418.234	16114.38	13.164	86.951	1715.92	262.513	33.899	228.614
2021	121084	18234.128	2186.938	16047.19	13.253	88.006	1684.35	256.472	30.422	226.051
2022	121225	17812.559	1990.814	15821.74	13.052	88.824	1672.36	248.626	27.464	221.162
2023	121347	17361.668	1813.273	15548.40	12.813	89.556	1659.38	240.367	24.796	215.571
2024	121321	16929.676	1672.185	15257.49	12.576	90.123	1644.22	232.443	22.662	209.781
2025	117804	15501.666	1464.001	14037.67	11.916	90.556	1853.89	247.735	23.039	224.695
2026	117275	15523.814	1385.147	14138.67	12.056	91.077	1836.61	247.072	21.692	225.380
2027	116287	15073.070	1289.185	13783.89	11.853	91.447	1811.54	238.810	20.083	218.727
2028	115248	14636.710	1192.907	13443.80	11.665	91.850	1784.96	230.725	18.476	212.249
2029	114206	14180.166	1111.151	13069.01	11.443	92.164	1757.46	222.256	17.099	205.157
2030	107387	12111.772	926.485	11185.29	10.416	92.351	1968.63	226.816	16.984	209.832
2031	107921	12417.367	927.793	11489.57	10.646	92.528	1971.57	231.935	16.950	214.985
2032	106589	12054.064	875.904	11178.16	10.487	92.734	1938.99	224.381	15.934	208.447
2033	105272	11672.389	821.011	10851.38	10.308	92.966	1905.47	216.370	14.861	201.510
2034	103929	11365.762	781.902	10583.86	10.184	93.121	1870.59	209.673	14.073	195.599
2035	93612	8580.360	577.961	8002.399	8.549	93.264	2077.22	195.777	12.825	182.953
2036	95006	8948.841	592.862	8355.979	8.795	93.375	2105.70	204.135	13.140	190.995
2037	93255	8624.570	568.446	8056.124	8.639	93.409	2062.85	196.522	12.574	183.948
2038	91555	8315.017	536.997	7778.020	8.495	93.542	2019.30	189.073	11.844	177.229
2039	89921	8001.132	507.146	7493.986	8.334	93.662	1975.17	181.344	11.140	170.205

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop				
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1506813	149918.462	69843.223	80075.24	5.314	53.413	432.560	43.398	20.050	23.348

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop				
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.545	105.027	0.327	2.358	492.015	68.262	66.652	1.610
1993	32897	4462.473	4264.093	198.380	0.603	4.446	495.229	67.179	64.191	2.988
1994	33325	4499.513	4186.466	313.048	0.939	6.957	492.297	66.473	61.844	4.628
1995	33574	4472.774	4029.020	443.755	1.322	9.921	486.436	64.812	58.375	6.436
1996	33877	4406.878	3818.639	588.239	1.736	13.348	483.172	62.863	54.463	8.401
1997	33527	4288.158	3553.367	734.791	2.192	17.135	470.341	60.173	49.849	10.324
1998	32811	4120.148	3251.542	868.606	2.647	21.082	452.668	56.864	44.859	12.005
1999	33397	3982.443	2980.564	1001.879	3.000	25.157	453.430	54.097	40.467	13.630
2000	33489	4021.411	2843.953	1177.458	3.516	29.280	447.949	53.827	38.041	15.786
2001	32312	3848.092	2552.538	1295.555	4.009	33.667	426.499	50.836	33.692	17.145
2002	31632	3783.081	2349.524	1433.557	4.532	37.894	412.754	49.418	30.658	18.760
2003	31041	3754.415	2167.967	1586.448	5.111	42.256	400.725	48.533	27.987	20.546
2004	29950	3666.274	1964.382	1701.892	5.682	46.420	382.370	46.883	25.079	21.804
2005	28783	3589.688	1777.835	1811.853	6.295	50.474	363.108	45.371	22.428	22.943
2006	28275	3596.985	1634.294	1962.690	6.941	54.565	353.323	45.048	20.422	24.626
2007	28126	3560.798	1486.463	2074.334	7.375	58.255	347.744	44.137	18.378	25.759
2008	27239	3417.001	1310.657	2106.345	7.733	61.643	332.889	41.881	16.017	25.863
2009	27195	3394.390	1195.695	2198.695	8.085	64.774	328.299	41.113	14.435	26.678
2010	27053	3340.137	1084.872	2255.265	8.337	67.520	322.502	39.965	12.933	27.032
2011	27118	3285.435	980.555	2304.880	8.499	70.154	319.963	38.922	11.569	27.352
2012	27235	3259.209	887.504	2371.706	8.708	72.769	317.729	38.193	10.354	27.839
2013	28108	3274.703	817.646	2457.057	8.742	75.031	324.034	37.937	9.426	28.511
2014	29023	3298.083	753.214	2544.868	8.768	77.162	330.535	37.762	8.578	29.184
2015	29822	3244.406	685.528	2558.878	8.580	78.870	381.630	41.789	8.773	33.017
2016	30808	3314.836	642.558	2672.279	8.674	80.616	390.350	42.297	8.142	34.156
2017	31746	3333.314	594.139	2739.175	8.628	82.176	398.346	42.144	7.455	34.689
2018	29685	2925.242	484.519	2440.723	8.222	83.437	368.842	36.642	6.020	30.622
2019	29965	2864.628	440.916	2423.712	8.088	84.608	368.493	35.534	5.422	30.112
2020	29991	2730.366	392.178	2338.188	7.796	85.636	420.409	38.675	5.498	33.178
2021	30533	2647.911	354.172	2293.738	7.512	86.624	424.731	37.244	4.927	32.317
2022	30772	2586.165	321.094	2265.071	7.361	87.584	424.512	36.097	4.430	31.668
2023	31008	2517.960	291.713	2226.248	7.180	88.415	424.020	34.860	3.989	30.871
2024	31197	2454.161	267.816	2186.344	7.008	89.087	422.804	33.695	3.630	30.066
2025	30823	2275.364	234.840	2040.524	6.620	89.679	485.067	36.363	3.696	32.667
2026	31298	2183.166	213.319	1969.847	6.294	90.229	490.154	34.747	3.341	31.406
2027	31205	2112.345	196.645	1915.699	6.139	90.691	486.124	33.467	3.063	30.404
2028	31087	2046.677	181.464	1865.213	6.000	91.134	481.482	32.263	2.811	29.452
2029	30962	1977.671	167.815	1809.856	5.845	91.515	476.454	30.997	2.582	28.415
2030	30063	1744.457	142.821	1601.636	5.328	91.813	551.123	32.668	2.618	30.050
2031	29736	1653.738	131.163	1522.574	5.120	92.069	543.235	30.889	2.396	28.493
2032	29512	1603.120	122.282	1480.839	5.018	92.372	536.867	29.841	2.224	27.617
2033	29280	1548.245	114.355	1433.890	4.897	92.614	529.972	28.700	2.070	26.630
2034	29021	1511.985	108.594	1403.391	4.836	92.818	522.342	27.893	1.955	25.938
2035	27588	1239.866	87.071	1152.794	4.179	92.977	612.175	28.290	1.932	26.358
2036	26436	1182.522	81.190	1101.332	4.166	93.134	585.922	26.975	1.799	25.175
2037	26003	1134.483	77.502	1056.981	4.065	93.169	575.200	25.851	1.714	24.136
2038	25567	1093.537	73.046	1020.491	3.991	93.320	563.902	24.866	1.611	23.255
2039	25134	1047.905	68.474	979.431	3.897	93.466	552.087	23.751	1.504	22.247

Results for PHIM for Run 5 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 5, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2265931	1015606.587	682825.415	332781.2	14.686	32.767	650.479	293.996	196.018	97.978

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.391	57.798	0.170	0.303	520.249	292.085	291.197	0.888
1993	35914	20095.670	19977.510	118.160	0.329	0.588	540.648	302.526	300.740	1.786
1994	35077	19524.095	19343.491	180.604	0.515	0.925	518.166	288.435	285.750	2.684
1995	34674	19116.002	18857.512	258.490	0.745	1.352	502.376	276.995	273.220	3.775
1996	34590	18975.021	18622.067	352.954	1.020	1.860	493.330	270.675	265.594	5.081
1997	35279	19169.025	18700.470	468.555	1.328	2.444	494.916	268.986	262.341	6.645
1998	35693	19228.937	18625.795	603.142	1.690	3.137	492.425	265.388	256.967	8.421
1999	38542	20589.820	19797.662	792.158	2.055	3.847	523.284	279.689	268.792	10.897
2000	36316	19196.417	18300.588	895.830	2.467	4.667	485.767	256.946	244.789	12.157
2001	36324	19012.731	17928.024	1084.708	2.986	5.705	479.449	251.174	236.636	14.537
2002	36037	18699.357	17430.471	1268.886	3.521	6.786	470.226	244.265	227.441	16.825
2003	36273	18663.550	17182.747	1480.803	4.082	7.934	468.262	241.262	221.822	19.441
2004	34689	17679.164	16037.609	1641.555	4.732	9.285	442.880	226.076	204.753	21.323
2005	36925	18692.832	16708.892	1983.940	5.373	10.613	465.823	236.265	210.787	25.478
2006	34459	17308.564	15201.393	2107.170	6.115	12.174	430.602	216.769	189.957	26.812
2007	35457	17683.181	15243.935	2439.247	6.879	13.794	438.377	219.189	188.471	30.718
2008	38411	19006.374	16094.827	2911.547	7.580	15.319	469.417	232.952	196.693	36.259
2009	37082	18205.573	15073.114	3132.458	8.447	17.206	447.660	220.505	181.966	38.539
2010	37439	18237.758	14802.901	3434.857	9.175	18.834	446.317	218.215	176.468	41.747
2011	38328	18487.916	14609.417	3878.499	10.119	20.979	452.222	219.022	172.373	46.649
2012	38769	18491.158	14239.063	4252.095	10.968	22.995	452.286	216.689	166.117	50.573
2013	40598	19143.452	14375.332	4768.120	11.745	24.907	468.023	221.775	165.724	56.051
2014	40679	18992.005	13863.267	5128.738	12.608	27.005	463.280	217.451	157.885	59.566
2015	42696	19728.885	14073.484	5655.401	13.246	28.666	546.369	254.116	180.096	74.021
2016	43541	19876.724	13774.482	6102.242	14.015	30.700	551.686	253.628	174.531	79.097
2017	44594	20119.790	13523.786	6596.004	14.791	32.784	559.562	254.381	169.696	84.685
2018	46012	20535.123	13380.267	7154.856	15.550	34.842	571.700	257.229	166.251	90.978
2019	47568	21009.029	13266.640	7742.389	16.276	36.853	584.968	260.605	163.146	97.459
2020	49093	21428.512	13119.836	8308.676	16.924	38.774	688.183	303.533	183.914	119.619
2021	49187	21266.697	12523.552	8743.145	17.775	41.112	684.222	299.127	174.210	124.917
2022	50711	21663.568	12280.918	9382.650	18.502	43.311	699.587	302.378	169.421	132.957
2023	52264	22084.131	12044.889	10039.24	19.209	45.459	714.700	305.748	164.711	141.037
2024	53766	22418.456	11787.769	10630.69	19.772	47.419	728.664	307.804	159.755	148.049
2025	54886	22614.834	11466.780	11148.05	20.311	49.295	863.746	361.411	180.454	180.957
2026	55454	22571.522	10970.927	11600.59	20.919	51.395	868.449	359.241	171.813	187.429
2027	56461	22774.416	10583.791	12190.62	21.591	53.528	879.562	360.827	164.876	195.950
2028	57428	22915.561	10149.716	12765.84	22.229	55.708	889.453	361.228	157.199	204.029
2029	58382	22992.027	9710.869	13281.16	22.749	57.764	898.405	360.371	149.435	210.936
2030	58693	22895.360	9264.627	13630.73	23.224	59.535	1075.96	428.760	169.840	258.920
2031	59126	22715.871	8791.452	13924.42	23.550	61.298	1080.15	424.293	160.608	263.685
2032	59875	22759.207	8365.596	14393.61	24.040	63.243	1089.19	423.652	152.180	271.471
2033	60600	22786.258	7964.790	14821.47	24.458	65.046	1096.89	422.387	144.166	278.221
2034	61268	22806.106	7561.693	15244.41	24.882	66.844	1102.73	420.721	136.100	284.621
2035	60394	22262.998	7100.986	15162.01	25.105	68.104	1340.12	507.973	157.569	350.404
2036	58317	21140.051	6281.023	14859.03	25.480	70.289	1292.53	482.234	139.212	343.022
2037	58511	21011.845	5856.753	15155.09	25.901	72.126	1294.29	478.783	129.555	349.228
2038	58682	20787.483	5436.121	15351.36	26.160	73.849	1294.26	472.681	119.897	352.783
2039	58843	20709.267	5074.302	15634.96	26.571	75.497	1292.52	469.372	111.461	357.911

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Control File Details for Run: 6

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S4C
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_4
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 6, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 6, Scenario: Ecig

Variable Parameter

Value

- 1. Country
 - 2. Sex
 - 3. Assumption Set
- Note:

US (United States)
 F (Females)
 S4C
 Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.002349	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.002168	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000172	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000086	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000043	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.003596	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.003395	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000079	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000040	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000020	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.003969	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.003056	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001460	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000714	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000111	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.003398	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.003081	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001481	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000344	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000156	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.002207	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.002650	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001281	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000630	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000313	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.001105	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.002135	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000027	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000087	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000044	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 6, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 6, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			F (Females)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50660	55.28					
5	All Ages	CC	10652	11.62	0	0.00			
5	All Ages	Ecig	11907	12.99					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18420	20.10			14.17	1142	6.20
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2344	73.80					
5	18-19	CC	229	7.21	0	0.00			
5	18-19	Ecig	510	16.06					
5	18-19	Dual	0	0.00					
5	18-19	Former	93	2.93			1.17	58	62.37
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5667	67.87					
5	20-24	CC	859	10.29	0	0.00			
5	20-24	Ecig	1367	16.37					
5	20-24	Dual	0	0.00					
5	20-24	Former	457	5.47			3.18	113	24.73
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5305	60.33					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1403	15.96					
5	25-29	Dual	0	0.00					
5	25-29	Former	1023	11.63			5.94	54	5.28
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

5	30-34	Never Any	5303	52.62					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1803	17.89					
5	30-34	Dual	0	0.00					
5	30-34	Former	1599	15.87			8.16	67	4.19
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5277	50.26					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1747	16.64					
5	35-39	Dual	0	0.00					
5	35-39	Former	2065	19.67			8.75	62	3.00
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1356	14.13					
5	40-44	Dual	0	0.00					
5	40-44	Former	2091	21.78			12.09	81	3.87
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1161	13.66					
5	45-49	Dual	0	0.00					
5	45-49	Former	2006	23.61			10.93	133	6.63
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	826	12.64					
5	50-54	Dual	0	0.00					
5	50-54	Former	1855	28.38			14.92	140	7.55
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	627	11.33					
5	55-59	Dual	0	0.00					
5	55-59	Former	1501	27.12			15.84	93	6.20
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	444	8.43					
5	60-64	Dual	0	0.00					
5	60-64	Former	1455	27.64			19.22	87	5.98
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	374	6.77					
5	65-69	Dual	0	0.00					
5	65-69	Former	1470	26.61			19.34	107	7.28
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	188	3.55					
5	70-74	Dual	0	0.00					
5	70-74	Former	1496	28.21			22.32	77	5.15
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	101	2.25					
5	75-79	Dual	0	0.00					
5	75-79	Former	1309	29.19			25.87	70	5.35
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	49902	54.30					
10	All Ages	CC	4583	4.99	0	0.00			
10	All Ages	Ecig	16058	17.47					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21365	23.25			15.05	1746	8.17
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4813	60.69					
10	20-24	CC	361	4.55	0	0.00			
10	20-24	Ecig	2016	25.42					
10	20-24	Dual	0	0.00					
10	20-24	Former	740	9.33			3.56	191	25.81
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5319	63.70					
10	25-29	CC	397	4.75	0	0.00			
10	25-29	Ecig	1837	22.00					
10	25-29	Dual	0	0.00					
10	25-29	Former	797	9.54			5.52	132	16.56
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5190	59.02					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1931	21.96					
10	30-34	Dual	0	0.00					
10	30-34	Former	1255	14.27			9.27	92	7.33
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5277	52.36					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2420	24.01					
10	35-39	Dual	0	0.00					
10	35-39	Former	1820	18.06			11.77	105	5.77
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5277	50.26					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2293	21.84					
10	40-44	Dual	0	0.00					
10	40-44	Former	2345	22.34			12.30	143	6.10
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1673	17.43					
10	45-49	Dual	0	0.00					
10	45-49	Former	2463	25.66			14.76	181	7.35
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1299	15.29					
10	50-54	Dual	0	0.00					
10	50-54	Former	2464	29.00			13.32	188	7.63
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	912	13.95					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2225	34.04			16.92	157	7.06
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		663	11.98					
10	60-64	Dual		0	0.00					
10	60-64	Former		1853	33.48			17.23	149	8.04
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		443	8.42					
10	65-69	Dual		0	0.00					
10	65-69	Former		1809	34.37			19.85	146	8.07
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		368	6.66					
10	70-74	Dual		0	0.00					
10	70-74	Former		1804	32.66			20.18	154	8.54
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		203	3.83					
10	75-79	Dual		0	0.00					
10	75-79	Former		1790	33.75			23.17	108	6.03
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		46436	53.62					
15	All Ages	CC		1884	2.18	0	0.00			
15	All Ages	Ecig		16024	18.50					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		22261	25.70			17.24	963	4.33
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4518	56.97					
15	25-29	CC		162	2.04	0	0.00			
15	25-29	Ecig		2166	27.31					
15	25-29	Dual		0	0.00					
15	25-29	Former		1084	13.67			6.60	112	10.33
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5218	62.49					
15	30-34	CC		147	1.76	0	0.00			
15	30-34	Ecig		1971	23.60					
15	30-34	Dual		0	0.00					
15	30-34	Former		1014	12.14			8.69	85	8.38
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5162	58.71					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	2027	23.05					
15	35-39	Dual	0	0.00					
15	35-39	Former	1437	16.34			12.73	67	4.66
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5277	52.36					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2507	24.88					
15	40-44	Dual	0	0.00					
15	40-44	Former	2056	20.40			15.08	101	4.91
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5277	50.26					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2319	22.09					
15	45-49	Dual	0	0.00					
15	45-49	Former	2666	25.39			15.45	135	5.06
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1622	16.90					
15	50-54	Dual	0	0.00					
15	50-54	Former	2769	28.84			17.84	99	3.58
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1281	15.08					
15	55-59	Dual	0	0.00					
15	55-59	Former	2694	31.71			16.95	78	2.90
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	852	13.04					
15	60-64	Dual	0	0.00					
15	60-64	Former	2437	37.29			20.18	93	3.82
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	591	10.68					
15	65-69	Dual	0	0.00					
15	65-69	Former	2099	37.93			19.92	68	3.24
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	391	7.43					
15	70-74	Dual	0	0.00					
15	70-74	Former	2002	38.03			22.67	69	3.45
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	297	5.38					
15	75-79	Dual	0	0.00					
15	75-79	Former	2003	36.26			22.91	56	2.80
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	43177	53.25					
20	All Ages	CC	765	0.94	0	0.00			
20	All Ages	Ecig	14152	17.45					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	22987	28.35			19.33	1143	4.97
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4387	55.32					
20	30-34	CC	65	0.82	0	0.00			
20	30-34	Ecig	2085	26.29					
20	30-34	Dual	0	0.00					
20	30-34	Former	1393	17.57			9.41	147	10.55
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	5168	61.89					
20	35-39	CC	58	0.69	0	0.00			
20	35-39	Ecig	1851	22.17					
20	35-39	Dual	0	0.00					
20	35-39	Former	1273	15.25			11.28	105	8.25
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5162	58.71					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	1872	21.29					
20	40-44	Dual	0	0.00					
20	40-44	Former	1695	19.28			15.31	113	6.67
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5277	52.36					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2332	23.14					
20	45-49	Dual	0	0.00					
20	45-49	Former	2364	23.46			17.70	132	5.58
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5277	50.26					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	2102	20.02					
20	50-54	Dual	0	0.00					
20	50-54	Former	3019	28.76			18.27	163	5.40
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1433	14.93					
20	55-59	Dual	0	0.00					
20	55-59	Former	3058	31.85			20.88	103	3.37
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	1079	12.70					
20	60-64	Dual	0	0.00					
20	60-64	Former	2991	35.20			19.94	144	4.81
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	645	9.87					
20	65-69	Dual	0	0.00					
20	65-69	Former	2728	41.74			22.72	95	3.48
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	477	8.62					
20	70-74	Dual	0	0.00					
20	70-74	Former	2285	41.29			23.05	69	3.02
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	276	5.24					
20	75-79	Dual	0	0.00					
20	75-79	Former	2181	41.43			25.56	72	3.30
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	40424	53.32					
25	All Ages	CC	340	0.45	0	0.00			
25	All Ages	Ecig	11748	15.50					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	23305	30.74			21.36	935	4.01
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4366	55.06					
25	35-39	CC	20	0.25	0	0.00			
25	35-39	Ecig	1729	21.80					
25	35-39	Dual	0	0.00					
25	35-39	Former	1815	22.89			11.55	147	8.10
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	5168	61.89					
25	40-44	CC	33	0.40	0	0.00			
25	40-44	Ecig	1623	19.44					
25	40-44	Dual	0	0.00					

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

25	40-44	Former	1526	18.28			13.91	106	6.95
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5162	58.71					
25	45-49	CC	32	0.36	0	0.00			
25	45-49	Ecig	1649	18.75					
25	45-49	Dual	0	0.00					
25	45-49	Former	1950	22.18			17.92	96	4.92
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5277	52.36					
25	50-54	CC	45	0.45	0	0.00			
25	50-54	Ecig	2064	20.48					
25	50-54	Dual	0	0.00					
25	50-54	Former	2692	26.71			20.16	150	5.57
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5277	50.26					
25	55-59	CC	37	0.35	0	0.00			
25	55-59	Ecig	1773	16.89					
25	55-59	Dual	0	0.00					
25	55-59	Former	3412	32.50			20.83	140	4.10
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	42	0.44	0	0.00			
25	60-64	Ecig	1154	12.02					
25	60-64	Dual	0	0.00					
25	60-64	Former	3386	35.27			23.56	144	4.25
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	41	0.48	0	0.00			
25	65-69	Ecig	844	9.93					
25	65-69	Dual	0	0.00					
25	65-69	Former	3256	38.32			23.12	70	2.15
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	31	0.47	0	0.00			
25	70-74	Ecig	527	8.06					
25	70-74	Dual	0	0.00					
25	70-74	Former	2862	43.79			26.54	42	1.47
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	59	1.07	0	0.00			
25	75-79	Ecig	385	6.96					
25	75-79	Dual	0	0.00					
25	75-79	Former	2406	43.48			26.76	40	1.66
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	37740	53.70					
30	All Ages	CC	115	0.16	0	0.00			
30	All Ages	Ecig	9530	13.56					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	22898	32.58			23.67	776	3.39
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4366	55.06					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	1479	18.65					
30	40-44	Dual	0	0.00					
30	40-44	Former	2079	26.22			14.71	94	4.52
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	5168	61.89					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	1415	16.95					
30	45-49	Dual	0	0.00					
30	45-49	Former	1754	21.01			16.74	79	4.50
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5162	58.71					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1416	16.10					
30	50-54	Dual	0	0.00					
30	50-54	Former	2206	25.09			20.48	121	5.49
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5277	52.36					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	1713	17.00					
30	55-59	Dual	0	0.00					
30	55-59	Former	3074	30.50			22.29	140	4.55
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5277	50.26					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	1428	13.60					
30	60-64	Dual	0	0.00					
30	60-64	Former	3779	35.99			23.51	153	4.05
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	917	9.55					
30	65-69	Dual	0	0.00					
30	65-69	Former	3647	37.99			26.68	75	2.06
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	727	8.56					
30	70-74	Dual	0	0.00					
30	70-74	Former	3392	39.92			27.06	66	1.95
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	435	6.66					
30	75-79	Dual	0	0.00					
30	75-79	Former	2967	45.39			30.49	48	1.62
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	34624	54.31					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	7519	11.80					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	21557	33.82			25.73	626	2.90
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4366	55.06					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	1258	15.86					
35	45-49	Dual	0	0.00					
35	45-49	Former	2305	29.07			18.00	76	3.30
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	5168	61.89					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	1191	14.26					
35	50-54	Dual	0	0.00					
35	50-54	Former	1988	23.81			19.39	111	5.58
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5162	58.71					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	1171	13.32					
35	55-59	Dual	0	0.00					
35	55-59	Former	2456	27.93			23.08	99	4.03
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5277	52.36					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	1383	13.72					
35	60-64	Dual	0	0.00					
35	60-64	Former	3411	33.85			24.79	139	4.08
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5277	50.26					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	1139	10.85					
35	65-69	Dual	0	0.00					
35	65-69	Former	4076	38.82			26.61	83	2.04
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	789	8.22					
35	70-74	Dual	0	0.00					
35	70-74	Former	3782	39.40			30.61	65	1.72
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	588	6.92					
35	75-79	Dual	0	0.00					
35	75-79	Former	3539	41.65			30.81	53	1.50
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	30268	54.78					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	5576	10.09					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	19392	35.10			27.76	546	2.82
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4366	55.06					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		1062	13.39					
40	50-54	Dual		0	0.00					
40	50-54	Former		2502	31.55			21.33	100	4.00
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		5168	61.89					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		958	11.47					
40	55-59	Dual		0	0.00					
40	55-59	Former		2224	26.63			22.03	83	3.73
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5162	58.71					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		903	10.27					
40	60-64	Dual		0	0.00					
40	60-64	Former		2725	30.99			25.48	128	4.70
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		5277	52.36					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		1084	10.76					
40	65-69	Dual		0	0.00					
40	65-69	Former		3714	36.85			27.56	73	1.97
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		5277	50.26					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		957	9.12					
40	70-74	Dual		0	0.00					
40	70-74	Former		4261	40.58			30.31	86	2.02
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

40	75-79	Ecig	612	6.38					
40	75-79	Dual	0	0.00					
40	75-79	Former	3966	41.31			34.05	76	1.92
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	25250	55.31					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	4027	8.82					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	16368	35.86			29.47	364	2.22
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

45	55-59	Never Any	4366	55.06					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	868	10.95					
45	55-59	Dual	0	0.00					
45	55-59	Former	2696	34.00			24.58	71	2.63
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	5168	61.89					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	768	9.20					
45	60-64	Dual	0	0.00					
45	60-64	Former	2414	28.91			25.05	81	3.36
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5162	58.71					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	706	8.03					
45	65-69	Dual	0	0.00					
45	65-69	Former	2922	33.23			28.59	57	1.95
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5277	52.36					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	938	9.31					
45	70-74	Dual	0	0.00					
45	70-74	Former	3862	38.32			31.38	76	1.97
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5277	50.26					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	747	7.11					
45	75-79	Dual	0	0.00					
45	75-79	Former	4474	42.61			33.73	79	1.77
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19973	56.82					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	2613	7.43					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	12561	35.73			31.23	250	1.99
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4366	55.06					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	673	8.49					
50	60-64	Dual	0	0.00					
50	60-64	Former	2891	36.46			27.71	86	2.97
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	5168	61.89					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	621	7.44					
50	65-69	Dual	0	0.00					
50	65-69	Former	2561	30.67			28.47	37	1.44
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5162	58.71					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	593	6.74					
50	70-74	Dual	0	0.00					
50	70-74	Former	3035	34.52			32.40	56	1.85
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5277	52.36					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	726	7.20					
50	75-79	Dual	0	0.00					
50	75-79	Former	4074	40.42			34.60	71	1.74

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	1946931.895	999318.1	11.003	33.918	2493.45	808.881	534.522	274.359

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198532	60494.150	60022.455	471.694	0.238	0.780	2829.84	862.271	855.548	6.723
1993	202512	62694.848	61776.741	918.107	0.453	1.464	2845.85	881.034	868.132	12.902
1994	200658	63202.598	61751.787	1450.810	0.723	2.295	2777.87	874.966	854.881	20.085
1995	201023	63766.862	61670.721	2096.141	1.043	3.287	2739.80	869.097	840.528	28.569
1996	201180	64591.163	61718.479	2872.684	1.428	4.447	2706.36	868.908	830.263	38.645
1997	198639	64686.912	61088.652	3598.260	1.811	5.563	2635.18	858.147	810.412	47.735
1998	197573	65295.961	60857.358	4438.603	2.247	6.798	2584.18	854.046	795.991	58.055
1999	211329	67327.521	61593.232	5734.290	2.713	8.517	2726.91	868.771	794.777	73.993
2000	208496	67596.897	60917.317	6679.580	3.204	9.881	2656.96	861.419	776.298	85.121
2001	203606	67008.811	59328.811	7680.000	3.772	11.461	2565.88	844.458	747.673	96.785
2002	200828	67067.744	58273.098	8794.645	4.379	13.113	2506.09	836.925	727.178	109.747
2003	196352	66756.217	56954.451	9801.766	4.992	14.683	2427.31	825.244	704.074	121.170
2004	188160	65058.725	54405.415	10653.31	5.662	16.375	2302.83	796.234	665.852	130.383
2005	186416	65214.724	53413.678	11801.05	6.330	18.096	2256.27	789.321	646.488	142.833
2006	180088	63771.146	51099.373	12671.77	7.036	19.871	2160.67	765.117	613.083	152.034
2007	175644	63110.718	49545.210	13565.51	7.723	21.495	2086.36	749.650	588.515	161.136
2008	177570	63718.624	48860.961	14857.66	8.367	23.318	2086.39	748.674	574.101	174.573
2009	172806	62794.698	47104.247	15690.45	9.080	24.987	2007.57	729.515	547.232	182.283
2010	170489	61917.074	45351.658	16565.42	9.716	26.754	1957.97	711.083	520.838	190.244
2011	170305	61680.114	43941.367	17738.75	10.416	28.759	1937.46	701.700	499.896	201.804
2012	171421	62023.127	42983.169	19039.96	11.107	30.698	1930.22	698.386	483.994	214.392
2013	172699	62037.765	41826.717	20211.05	11.703	32.579	1923.75	691.059	465.921	225.137
2014	174169	61921.017	40425.142	21495.88	12.342	34.715	1918.85	682.195	445.371	236.824
2015	177354	61856.204	39265.758	22590.45	12.737	36.521	2184.51	761.899	483.646	278.252
2016	176853	60464.119	36996.408	23467.71	13.270	38.813	2157.59	737.655	451.352	286.303
2017	179309	60243.839	35596.031	24647.81	13.746	40.913	2166.86	728.017	430.160	297.856
2018	177157	60713.327	34999.254	25714.07	14.515	42.353	2120.51	726.721	418.931	307.790
2019	179227	61148.172	34066.183	27081.99	15.110	44.289	2124.53	724.841	403.815	321.026
2020	180467	61149.317	33116.207	28033.11	15.534	45.844	2424.25	821.432	444.857	376.575
2021	178116	58727.786	30297.990	28429.80	15.961	48.409	2375.42	783.216	404.065	379.150
2022	179408	58848.802	29264.969	29583.83	16.490	50.271	2374.52	778.881	387.330	391.550
2023	180640	58816.149	28222.704	30593.45	16.936	52.015	2372.26	772.407	370.636	401.770
2024	181610	58955.232	27189.698	31765.53	17.491	53.881	2366.77	768.316	354.341	413.975
2025	180418	58297.744	26034.011	32263.73	17.883	55.343	2713.69	876.861	391.580	485.281
2026	180313	56469.971	23997.450	32472.52	18.009	57.504	2701.83	846.150	359.579	486.570
2027	179619	56209.427	22854.435	33354.99	18.570	59.341	2680.68	838.883	341.085	497.798
2028	178762	55733.105	21658.571	34074.53	19.061	61.139	2656.74	828.298	321.887	506.411
2029	177808	55145.838	20447.039	34698.80	19.515	62.922	2630.89	815.951	302.539	513.412
2030	173587	53615.097	19198.251	34416.85	19.827	64.192	3040.33	939.056	336.253	602.803
2031	174985	52046.561	17978.089	34068.47	19.469	65.458	3060.73	910.364	314.461	595.903
2032	173400	51582.636	16994.231	34588.41	19.947	67.054	3027.10	900.496	296.674	603.822
2033	171756	50839.758	15998.929	34840.83	20.285	68.531	2991.14	885.375	278.621	606.753
2034	169973	50215.451	15033.611	35181.84	20.699	70.062	2951.96	872.104	261.092	611.011
2035	162644	47773.075	13907.214	33865.86	20.822	70.889	3459.14	1016.05	295.781	720.265
2036	156254	43298.709	11927.492	31371.22	20.077	72.453	3328.25	922.274	254.059	668.215
2037	153593	42241.563	10973.433	31268.13	20.358	74.022	3274.10	900.450	233.917	666.533
2038	150947	41356.353	10211.224	31145.13	20.633	75.309	3217.50	881.531	217.657	663.874
2039	148373	40161.050	9357.828	30803.22	20.761	76.699	3159.42	855.178	199.263	655.915

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	2327764	1580465.217	1143948.704	436516.5	18.753	27.619	639.078	433.910	314.067	119.844

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	0.467
1992	45423	32782.407	32688.427	93.980	0.207	0.287	647.450	467.274	1.340
1993	46291	33491.183	33305.336	185.847	0.401	0.555	650.515	470.643	2.612
1994	47017	34074.347	33772.924	301.423	0.641	0.885	650.895	471.719	4.173
1995	47840	34694.454	34239.733	454.721	0.951	1.311	652.025	472.861	6.198
1996	48244	35027.269	34397.690	629.579	1.305	1.797	648.999	471.202	8.469
1997	49035	35590.763	34752.672	838.091	1.709	2.355	650.506	472.153	11.118
1998	49686	36100.785	35016.170	1084.615	2.183	3.004	649.874	472.184	14.186
1999	48883	35451.030	34143.619	1307.411	2.675	3.688	630.769	457.448	16.870
2000	50331	36447.986	34810.955	1637.031	3.253	4.491	641.392	464.474	20.861
2001	50389	36411.326	34439.867	1971.459	3.912	5.414	635.012	458.863	24.845
2002	51445	37078.545	34691.602	2386.943	4.640	6.438	641.972	462.696	29.786
2003	51408	36999.876	34215.995	2783.881	5.415	7.524	635.509	457.395	34.414
2004	51399	36861.555	33637.414	3224.141	6.273	8.747	629.057	451.138	39.459
2005	51421	36689.529	32999.559	3689.969	7.176	10.057	622.370	444.069	44.661
2006	51355	36504.774	32325.325	4179.449	8.138	11.449	616.150	437.979	50.144
2007	51839	36663.202	31901.115	4762.087	9.186	12.989	615.761	435.498	56.566
2008	50976	35898.803	30698.490	5200.313	10.201	14.486	598.952	421.800	61.102
2009	51193	35934.525	30108.692	5825.833	11.380	16.212	594.733	417.468	67.681
2010	50853	35502.829	29163.962	6338.867	12.465	17.855	584.018	407.730	72.798
2011	50509	35136.342	28200.718	6935.624	13.731	19.739	574.613	399.726	78.903
2012	51245	35450.201	27772.391	7677.810	14.983	21.658	577.023	399.173	86.453
2013	51069	35123.224	26794.620	8328.603	16.309	23.713	568.874	391.249	92.775
2014	51251	35079.370	26053.961	9025.409	17.610	25.729	564.641	386.476	99.435
2015	50443	34324.171	24843.621	9480.549	18.795	27.621	621.319	422.780	116.774
2016	48854	33054.753	23178.032	9876.721	20.217	29.880	596.013	403.264	120.495
2017	48325	32471.234	22023.478	10447.76	21.620	32.175	583.983	392.399	126.256
2018	50465	33657.595	21988.995	11668.60	23.122	34.669	604.052	402.871	139.670
2019	51036	33863.424	21327.635	12535.79	24.563	37.019	604.975	401.412	148.597
2020	51444	33910.830	20652.941	13257.89	25.772	39.096	691.053	455.532	178.096
2021	48037	31531.880	18427.373	13104.51	27.280	41.560	640.639	420.521	174.767
2022	48335	31560.212	17700.330	13859.88	28.675	43.916	639.727	417.708	183.439
2023	48599	31508.781	16964.116	14544.67	29.928	46.161	638.227	413.791	191.009
2024	48784	31517.293	16225.951	15291.34	31.345	48.517	635.757	410.740	199.280
2025	48477	31175.389	15423.223	15752.17	32.494	50.528	729.141	468.912	236.930
2026	45324	29044.598	13726.936	15317.66	33.796	52.738	679.138	435.206	229.521
2027	45107	28825.765	12966.924	15858.84	35.158	55.016	673.191	430.203	236.681
2028	44842	28513.846	12192.253	16321.59	36.398	57.241	666.430	423.769	242.569
2029	44539	28148.109	11413.390	16734.72	37.573	59.452	659.013	416.486	247.611
2030	43393	27314.475	10612.836	16701.64	38.489	61.146	760.018	478.407	292.525
2031	40748	25423.102	9533.554	15889.55	38.995	62.500	712.731	444.684	277.929
2032	40325	25085.902	8920.680	16165.22	40.087	64.439	703.969	437.933	282.202
2033	39882	24645.067	8322.403	16322.66	40.927	66.231	694.543	429.194	284.259
2034	39404	24239.126	7747.374	16491.75	41.852	68.038	684.347	420.967	286.416
2035	37454	22944.147	7069.582	15874.57	42.384	69.188	796.588	487.980	337.623
2036	32988	19950.581	5825.736	14124.84	42.818	70.799	702.663	424.953	300.863
2037	32403	19415.334	5321.426	14093.91	43.495	72.592	690.731	413.871	300.436
2038	31820	18939.317	4924.155	14015.16	44.045	74.000	678.257	403.701	298.740
2039	31251	18379.752	4490.635	13889.12	44.443	75.567	665.457	391.373	295.751

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	199671.516	199162.3	6.143	49.936	890.124	109.498	54.819	54.679

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.646	250.597	0.267	1.979	1335.88	180.485	176.913	3.572
1993	93679	12730.613	12252.270	478.342	0.511	3.757	1316.45	178.900	172.178	6.722
1994	90832	12495.323	11750.261	745.062	0.820	5.963	1257.46	172.983	162.669	10.315
1995	89698	12365.590	11312.563	1053.027	1.174	8.516	1222.52	168.534	154.182	14.352
1996	88286	12290.551	10854.606	1435.946	1.626	11.683	1187.66	165.338	146.021	19.317
1997	84777	11719.531	9989.899	1729.632	2.040	14.759	1124.67	155.473	132.528	22.946
1998	82517	11416.794	9346.062	2070.732	2.509	18.138	1079.29	149.327	122.243	27.084
1999	93939	13028.038	10177.149	2850.889	3.035	21.883	1212.16	168.109	131.322	36.787
2000	90039	12426.299	9243.183	3183.116	3.535	25.616	1147.41	158.354	117.790	40.564
2001	86119	11939.281	8351.548	3587.734	4.166	30.050	1085.29	150.461	105.248	45.213
2002	83014	11528.794	7547.535	3981.259	4.796	34.533	1035.91	143.865	94.184	49.681
2003	79302	11048.407	6769.574	4278.833	5.396	38.728	980.336	136.581	83.686	52.895
2004	73861	10375.132	5895.450	4479.681	6.065	43.177	903.963	126.978	72.153	54.825
2005	71649	10051.029	5297.979	4753.051	6.634	47.289	867.197	121.652	64.124	57.528
2006	67551	9542.523	4614.725	4927.798	7.295	51.640	810.467	114.490	55.367	59.123
2007	63503	8936.533	3973.318	4963.216	7.816	55.538	754.310	106.151	47.196	58.955
2008	63171	8944.180	3647.478	5296.702	8.385	59.220	742.239	105.091	42.857	62.235
2009	59747	8390.033	3158.583	5231.450	8.756	62.353	694.108	97.471	36.695	60.776
2010	58008	8157.570	2819.248	5338.322	9.203	65.440	666.189	93.685	32.377	61.308
2011	57368	8035.356	2528.553	5506.803	9.599	68.532	652.644	91.414	28.766	62.648
2012	57411	7970.766	2273.944	5696.821	9.923	71.471	646.453	89.752	25.605	64.147
2013	57067	7743.216	2030.467	5712.749	10.011	73.777	635.688	86.254	22.618	63.636
2014	57538	7774.935	1853.409	5921.526	10.292	76.162	633.906	85.658	20.419	65.239
2015	58395	7722.535	1708.733	6013.802	10.298	77.873	719.266	95.120	21.047	74.074
2016	58658	7600.353	1530.545	6069.808	10.348	79.862	715.621	92.723	18.672	74.051
2017	59004	7470.266	1377.680	6092.586	10.326	81.558	713.034	90.274	16.649	73.626
2018	56077	6907.050	1166.396	5740.654	10.237	83.113	671.224	82.675	13.961	68.714
2019	55886	6732.046	1048.618	5683.428	10.170	84.423	662.462	79.801	12.430	67.370
2020	55313	6429.836	936.157	5493.679	9.932	85.440	743.037	86.373	12.576	73.798
2021	56292	6562.016	864.867	5697.148	10.121	86.820	750.730	87.513	11.534	75.979
2022	55827	6352.366	778.075	5574.290	9.985	87.751	738.885	84.075	10.298	73.777
2023	55338	6134.123	705.288	5428.836	9.810	88.502	726.728	80.557	9.262	71.295
2024	54770	5922.193	637.619	5284.573	9.649	89.233	713.771	77.179	8.310	68.870
2025	53295	5504.188	564.193	4939.995	9.269	89.750	801.612	82.789	8.486	74.303
2026	55278	5641.075	543.445	5097.630	9.222	90.366	828.283	84.526	8.143	76.383
2027	54199	5426.216	497.024	4929.192	9.095	90.840	808.875	80.982	7.418	73.564
2028	53090	5197.830	452.967	4744.863	8.937	91.285	789.020	77.249	6.732	70.518
2029	51974	4973.547	414.995	4558.552	8.771	91.656	769.023	73.590	6.140	67.449
2030	49479	4450.618	356.949	4093.669	8.274	91.980	866.605	77.952	6.252	71.700
2031	51987	4555.052	354.660	4200.392	8.080	92.214	909.317	79.674	6.203	73.470
2032	50677	4349.999	326.992	4023.008	7.938	92.483	884.689	75.939	5.708	70.231
2033	49380	4147.948	305.016	3842.932	7.782	92.647	859.955	72.237	5.312	66.925
2034	48076	3966.133	284.575	3681.558	7.658	92.825	834.943	68.881	4.942	63.939
2035	44518	3289.064	228.102	3060.963	6.876	93.065	946.825	69.952	4.851	65.101
2036	46347	3313.192	223.099	3090.093	6.667	93.266	987.211	70.572	4.752	65.820
2037	44841	3117.951	205.456	2912.495	6.495	93.411	955.859	66.464	4.380	62.085
2038	43378	2949.775	192.214	2757.560	6.357	93.484	924.621	62.876	4.097	58.779
2039	41973	2766.312	179.431	2586.881	6.163	93.514	893.753	58.905	3.821	55.084

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	51442.140	53457.61	3.953	50.961	371.243	28.800	14.123	14.677

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.225	76.899	0.236	2.390	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.072	145.609	0.444	4.513	460.480	45.344	43.297	2.046
1994	33005	3277.266	3045.068	232.198	0.704	7.085	456.915	45.370	42.155	3.215
1995	33730	3309.378	2976.640	332.738	0.986	10.054	459.716	45.104	40.570	4.535
1996	33750	3312.987	2863.118	449.869	1.333	13.579	454.019	44.568	38.516	6.052
1997	33699	3267.066	2703.739	563.327	1.672	17.243	447.056	43.341	35.868	7.473
1998	33274	3178.725	2507.144	671.581	2.018	21.127	435.211	41.577	32.792	8.784
1999	33891	3120.351	2338.551	781.801	2.307	25.055	437.317	40.264	30.176	10.088
2000	33827	3142.808	2228.425	914.383	2.703	29.094	431.074	40.050	28.398	11.652
2001	32506	2961.588	1979.759	981.829	3.020	33.152	409.647	37.323	24.949	12.373
2002	32078	2940.627	1836.936	1103.692	3.441	37.533	400.295	36.695	22.923	13.773
2003	30568	2819.545	1644.466	1175.078	3.844	41.676	377.883	34.855	20.329	14.526
2004	29388	2730.466	1479.411	1251.055	4.257	45.818	359.671	33.417	18.106	15.311
2005	27954	2670.510	1342.481	1328.029	4.751	49.729	338.339	32.322	16.249	16.074
2006	27201	2623.285	1221.089	1402.196	5.155	53.452	326.354	31.474	14.650	16.823
2007	26302	2536.599	1089.383	1447.216	5.502	57.053	312.424	30.131	12.940	17.191
2008	25998	2469.443	980.717	1488.726	5.726	60.286	305.468	29.015	11.523	17.492
2009	25040	2386.945	874.088	1512.857	6.042	63.380	290.901	27.730	10.155	17.576
2010	24840	2329.274	786.555	1542.720	6.211	66.232	285.273	26.750	9.033	17.717
2011	24792	2286.581	707.183	1579.398	6.371	69.072	282.045	26.013	8.045	17.968
2012	24500	2243.311	635.149	1608.162	6.564	71.687	275.872	25.260	7.152	18.108
2013	24451	2176.503	564.509	1611.994	6.593	74.063	272.368	24.245	6.288	17.957
2014	25296	2211.619	526.515	1685.104	6.662	76.193	278.691	24.366	5.801	18.565
2015	26316	2237.016	494.380	1742.636	6.622	77.900	324.141	27.554	6.089	21.464
2016	26735	2229.057	454.230	1774.827	6.639	79.622	326.164	27.194	5.542	21.653
2017	27616	2221.649	418.517	1803.133	6.529	81.162	333.726	26.848	5.058	21.790
2018	25256	1939.420	339.669	1599.751	6.334	82.486	302.304	23.214	4.066	19.149
2019	25429	1904.400	307.595	1596.805	6.279	83.848	301.434	22.574	3.646	18.928
2020	25379	1806.054	272.544	1533.511	6.042	84.909	340.922	24.261	3.661	20.600
2021	25448	1748.172	244.425	1503.747	5.909	86.018	339.386	23.314	3.260	20.055
2022	25539	1701.148	221.590	1479.557	5.793	86.974	338.015	22.515	2.933	19.582
2023	25620	1652.087	202.103	1449.984	5.660	87.767	336.461	21.696	2.654	19.042
2024	25659	1597.127	182.878	1414.248	5.512	88.550	334.391	20.814	2.383	18.431
2025	25260	1467.622	159.331	1308.292	5.179	89.144	379.931	22.075	2.397	19.678
2026	25480	1390.505	143.088	1247.418	4.896	89.710	381.790	20.835	2.144	18.691
2027	25264	1342.095	130.753	1211.342	4.795	90.258	377.042	20.030	1.951	18.078
2028	25022	1289.536	119.670	1169.865	4.675	90.720	371.870	19.165	1.779	17.386
2029	24767	1242.216	109.908	1132.308	4.572	91.152	366.459	18.380	1.626	16.754
2030	23959	1096.803	92.587	1004.217	4.191	91.559	419.641	19.210	1.622	17.589
2031	23963	1019.991	83.198	936.793	3.909	91.843	419.142	17.841	1.455	16.386
2032	23615	977.406	76.717	900.689	3.814	92.151	412.259	17.063	1.339	15.724
2033	23259	937.450	71.747	865.703	3.722	92.347	405.051	16.326	1.249	15.076
2034	22879	900.763	67.007	833.756	3.644	92.561	397.339	15.644	1.164	14.480
2035	21733	745.023	53.525	691.499	3.182	92.816	462.224	15.845	1.138	14.707
2036	20904	680.360	47.224	633.136	3.029	93.059	445.263	14.492	1.006	13.486
2037	20397	644.109	43.884	600.225	2.943	93.187	434.791	13.730	0.935	12.795
2038	19890	612.448	41.183	571.265	2.872	93.276	423.966	13.055	0.878	12.177
2039	19392	577.529	38.595	538.935	2.779	93.317	412.930	12.298	0.822	11.476

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	551869.536	310181.7	14.361	35.982	593.003	236.673	151.514	85.159

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.157	50.218	0.187	0.424	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.062	108.309	0.364	0.818	418.406	186.148	184.626	1.522
1994	29804	13355.662	13183.534	172.127	0.578	1.289	412.601	184.893	182.511	2.383
1995	29755	13397.439	13141.785	255.654	0.859	1.908	405.540	182.598	179.113	3.484
1996	30900	13960.356	13603.065	357.290	1.156	2.559	415.680	187.801	182.994	4.806
1997	31128	14109.552	13642.342	467.210	1.501	3.311	412.949	187.180	180.982	6.198
1998	32096	14599.657	13987.983	611.674	1.906	4.190	419.803	190.958	182.957	8.000
1999	34616	15728.102	14933.914	794.189	2.294	5.049	446.673	202.950	192.702	10.248
2000	34299	15579.803	14634.754	945.050	2.755	6.066	437.088	198.541	186.498	12.043
2001	34592	15696.614	14557.636	1138.978	3.293	7.256	435.935	197.812	183.458	14.354
2002	34291	15519.777	14197.025	1322.752	3.857	8.523	427.910	193.668	177.162	16.506
2003	35074	15888.389	14324.415	1563.974	4.459	9.844	433.587	196.413	177.079	19.334
2004	33512	15091.573	13393.140	1698.433	5.068	11.254	410.143	184.701	163.915	20.787
2005	35392	15803.656	13773.659	2029.996	5.736	12.845	428.364	191.278	166.708	24.570
2006	33981	15100.563	12938.234	2162.330	6.363	14.320	407.699	181.174	155.231	25.943
2007	34000	14974.384	12581.395	2392.988	7.038	15.981	403.863	177.871	149.446	28.425
2008	37425	16406.197	13534.275	2871.922	7.674	17.505	439.732	192.768	159.023	33.744
2009	36826	16083.194	12962.884	3120.310	8.473	19.401	427.825	186.846	150.596	36.250
2010	36788	15927.400	12581.894	3345.507	9.094	21.005	422.489	182.917	144.496	38.421
2011	37636	16221.836	12504.913	3716.923	9.876	22.913	428.164	184.547	142.261	42.285
2012	38265	16358.849	12301.684	4057.165	10.603	24.801	430.867	184.202	138.518	45.684
2013	40112	16994.822	12437.120	4557.702	11.362	26.818	446.821	189.311	138.541	50.770
2014	40084	16855.093	11991.257	4863.837	12.134	28.857	441.613	185.696	132.110	53.586
2015	42200	17572.483	12219.024	5353.459	12.686	30.465	519.788	216.445	150.505	65.940
2016	42606	17579.955	11833.600	5746.355	13.487	32.687	519.788	214.473	144.369	70.105
2017	44364	18080.688	11776.356	6304.332	14.210	34.868	536.117	218.496	142.311	76.185
2018	45359	18209.262	11504.194	6705.068	14.782	36.822	542.932	217.960	137.702	80.258
2019	46876	18648.302	11382.334	7265.968	15.501	38.963	555.657	221.054	134.924	86.130
2020	48331	19002.597	11254.565	7748.032	16.031	40.774	649.239	255.266	151.185	104.081
2021	48338	18885.717	10761.325	8124.392	16.807	43.019	644.660	251.867	143.517	108.350
2022	49708	19235.076	10564.974	8670.102	17.442	45.074	657.895	254.582	139.830	114.751
2023	51083	19521.158	10351.198	9169.960	17.951	46.974	670.849	256.363	135.938	120.425
2024	52397	19918.620	10143.249	9775.370	18.656	49.077	682.854	259.583	132.189	127.395
2025	53387	20150.545	9887.265	10263.28	19.224	50.933	803.004	303.086	148.715	154.371
2026	54232	20393.792	9583.981	10809.81	19.933	53.005	812.615	305.582	143.607	161.975
2027	55049	20615.351	9259.734	11355.62	20.628	55.083	821.568	307.668	138.195	169.474
2028	55809	20731.894	8893.680	11838.21	21.212	57.101	829.419	308.115	132.177	175.938
2029	56527	20781.967	8508.747	12273.22	21.712	59.057	836.392	307.495	125.897	181.597
2030	56756	20753.201	8135.880	12617.32	22.231	60.797	994.067	363.487	142.498	220.989
2031	58288	21048.417	8006.677	13041.74	22.375	61.961	1019.54	368.165	140.047	228.117
2032	58782	21169.329	7669.842	13499.49	22.965	63.769	1026.18	369.560	133.895	235.665
2033	59236	21109.293	7299.763	13809.53	23.313	65.419	1031.59	367.618	127.125	240.493
2034	59614	21109.429	6934.655	14174.77	23.778	67.149	1035.33	366.613	120.436	246.177
2035	58938	20794.840	6556.006	14238.83	24.159	68.473	1253.51	442.268	139.434	302.834
2036	56014	19354.577	5831.433	13523.14	24.142	69.871	1193.11	412.258	124.211	288.047
2037	55953	19064.169	5402.667	13661.50	24.416	71.661	1192.72	406.385	115.167	291.218
2038	55859	18854.812	5053.671	13801.14	24.707	73.197	1190.66	401.900	107.721	294.178
2039	55757	18437.457	4649.168	13788.29	24.729	74.784	1187.28	392.602	98.998	293.604

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9148402	2946250.006	1955777.748	990472.3	10.827	33.618	2499.62	808.881	534.377	274.504

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198533	60494.150	60022.680	471.470	0.237	0.779	2829.84	862.271	855.549	6.722
1993	202515	62694.848	61777.618	917.229	0.453	1.463	2845.86	881.034	868.136	12.898
1994	200665	63202.598	61753.943	1448.655	0.722	2.292	2777.91	874.966	854.892	20.074
1995	201036	63766.862	61674.861	2092.001	1.041	3.281	2739.86	869.097	840.549	28.548
1996	201202	64591.163	61725.524	2865.639	1.424	4.437	2706.47	868.908	830.299	38.609
1997	198673	64686.912	61099.572	3587.340	1.806	5.546	2635.34	858.147	810.467	47.680
1998	197623	65295.961	60873.306	4422.655	2.238	6.773	2584.42	854.046	796.072	57.974
1999	211404	67327.521	61615.737	5711.784	2.702	8.484	2727.28	868.771	794.893	73.877
2000	208596	67596.897	60947.564	6649.333	3.188	9.837	2657.45	861.419	776.454	84.965
2001	203735	67008.811	59367.404	7641.407	3.751	11.404	2566.52	844.458	747.872	96.586
2002	200990	67067.744	58321.267	8746.477	4.352	13.041	2506.90	836.925	727.427	109.498
2003	196550	66756.217	57013.315	9742.901	4.957	14.595	2428.31	825.244	704.379	120.865
2004	188394	65058.725	54474.373	10584.35	5.618	16.269	2304.02	796.234	666.211	130.024
2005	186694	65214.724	53494.674	11720.05	6.278	17.971	2257.67	789.321	646.907	142.413
2006	180406	63771.146	51191.168	12579.98	6.973	19.727	2162.28	765.117	613.559	151.558
2007	176006	63110.718	49649.125	13461.59	7.648	21.330	2088.19	749.650	589.052	160.598
2008	177993	63718.624	48979.533	14739.09	8.281	23.132	2088.53	748.674	574.713	173.961
2009	173277	62794.698	47235.140	15559.56	8.980	24.778	2009.93	729.515	547.903	181.612
2010	171016	61917.074	45494.494	16422.58	9.603	26.524	1960.59	711.083	521.566	189.517
2011	170895	61680.114	44096.722	17583.39	10.289	28.507	1940.38	701.700	500.683	201.017
2012	172084	62023.127	43152.973	18870.15	10.966	30.424	1933.47	698.386	484.849	213.537
2013	173443	62037.765	42010.607	20027.16	11.547	32.282	1927.38	691.059	466.842	224.217
2014	174998	61921.017	40621.889	21299.13	12.171	34.397	1922.86	682.195	446.349	235.846
2015	178288	61856.204	39476.983	22379.22	12.552	36.179	2188.82	761.899	484.656	277.242
2016	177872	60464.119	37214.605	23249.51	13.071	38.452	2162.26	737.655	452.389	285.266
2017	180440	60243.839	35826.056	24417.78	13.532	40.532	2172.04	728.017	431.254	296.763
2018	178377	60713.327	35246.153	25467.17	14.277	41.947	2126.10	726.721	420.104	306.616
2019	180571	61148.172	34328.201	26819.97	14.853	43.861	2130.69	724.841	405.065	319.776
2020	181943	61149.317	33393.514	27755.80	15.255	45.390	2430.54	821.432	446.098	375.334
2021	179686	58727.786	30571.977	28155.81	15.669	47.943	2382.11	783.216	405.295	377.920
2022	181110	58848.802	29549.882	29298.92	16.177	49.787	2381.81	778.881	388.616	390.265
2023	182478	58816.149	28517.882	30298.27	16.604	51.514	2380.17	772.407	371.976	400.431
2024	183588	58955.232	27494.508	31460.72	17.137	53.364	2375.32	768.316	355.734	412.582
2025	182536	58297.744	26347.272	31950.47	17.504	54.806	2721.86	876.861	392.873	483.988
2026	182579	56469.971	24308.117	32161.85	17.615	56.954	2710.81	846.150	360.909	485.240
2027	182020	56209.427	23169.975	33039.45	18.152	58.779	2690.35	838.883	342.465	496.418
2028	181299	55733.105	21976.501	33756.60	18.619	60.568	2667.14	828.298	323.303	504.996
2029	180482	55145.838	20765.861	34379.98	19.049	62.344	2642.04	815.951	303.987	511.964
2030	176387	53615.097	19517.830	34097.27	19.331	63.596	3050.43	939.056	337.540	601.516
2031	177997	52046.561	18299.252	33747.31	18.959	64.841	3072.28	910.364	315.851	594.513
2032	176549	51582.636	17315.604	34267.03	19.409	66.431	3039.57	900.496	298.115	602.381
2033	175043	50839.758	16318.605	34521.15	19.721	67.902	3004.55	885.375	280.102	605.273
2034	173393	50215.451	15350.402	34865.05	20.108	69.431	2966.31	872.104	262.606	609.498
2035	166156	47773.075	14219.869	33553.21	20.194	70.235	3471.87	1016.05	297.127	718.919
2036	159794	43298.709	12209.835	31088.87	19.456	71.801	3341.67	922.274	255.337	666.938
2037	157226	42241.563	11245.044	30996.52	19.715	73.379	3288.46	900.450	235.195	665.255
2038	154668	41356.353	10475.449	30880.90	19.966	74.670	3232.80	881.531	218.953	662.578
2039	152180	40161.050	9610.039	30551.01	20.076	76.071	3175.63	855.178	200.538	654.639

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2343933	1580465.217	1148991.907	431473.3	18.408	27.300	640.433	433.910	313.939	119.972

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.550	93.857	0.207	0.286	647.451	467.274	465.935	1.339
1993	46292	33491.183	33305.814	185.370	0.400	0.553	650.518	470.643	468.033	2.609
1994	47019	34074.347	33774.114	300.233	0.639	0.881	650.904	471.719	467.553	4.167
1995	47843	34694.454	34242.053	452.401	0.946	1.304	652.042	472.861	466.675	6.186
1996	48250	35027.269	34401.658	625.611	1.297	1.786	649.027	471.202	462.753	8.449
1997	49044	35590.763	34758.929	831.833	1.696	2.337	650.551	472.153	461.066	11.086
1998	49699	36100.785	35025.402	1075.382	2.164	2.979	649.940	472.184	458.046	14.139
1999	48901	35451.030	34156.142	1294.887	2.648	3.653	630.861	457.448	440.642	16.806
2000	50356	36447.986	34828.304	1619.682	3.216	4.444	641.520	464.474	443.702	20.772
2001	50422	36411.326	34462.305	1949.021	3.865	5.353	635.180	458.863	434.134	24.729
2002	51487	37078.545	34720.332	2358.213	4.580	6.360	642.190	462.696	433.058	29.638
2003	51461	36999.876	34251.393	2748.483	5.341	7.428	635.782	457.395	423.164	34.231
2004	51464	36861.555	33680.038	3181.517	6.182	8.631	629.392	451.138	411.900	39.237
2005	51498	36689.529	33049.512	3640.017	7.068	9.921	622.765	444.069	399.665	44.403
2006	51446	36504.774	32383.228	4121.545	8.011	11.290	616.615	437.979	388.134	49.845
2007	51946	36663.202	31967.801	4695.401	9.039	12.807	616.306	435.498	379.275	56.222
2008	51098	35898.803	30772.606	5126.198	10.032	14.280	599.566	421.800	361.078	60.722
2009	51333	35934.525	30191.963	5742.562	11.187	15.981	595.432	417.468	350.211	67.257
2010	51010	35502.829	29255.310	6247.519	12.248	17.597	584.795	407.730	335.394	72.336
2011	50684	35136.342	28299.843	6836.498	13.489	19.457	575.471	399.726	321.322	78.404
2012	51443	35450.201	27881.487	7568.714	14.713	21.350	577.989	399.173	313.265	85.907
2013	51288	35123.224	26911.694	8211.529	16.011	23.379	569.935	391.249	299.055	92.194
2014	51494	35079.370	26180.062	8899.308	17.282	25.369	565.810	386.476	287.664	98.812
2015	50707	34324.171	24976.461	9347.709	18.435	27.234	622.527	422.780	306.634	116.145
2016	49134	33054.753	23314.000	9740.752	19.825	29.469	597.285	403.264	283.410	119.854
2017	48628	32471.234	22165.052	10306.18	21.194	31.739	585.360	392.399	266.810	125.588
2018	50809	33657.595	22142.857	11514.74	22.663	34.211	605.602	402.871	263.924	138.947
2019	51414	33863.424	21490.279	12373.15	24.066	36.538	606.677	401.412	253.580	147.832
2020	51858	33910.830	20824.304	13086.53	25.235	38.591	692.762	455.532	278.188	177.343
2021	48455	31531.880	18592.577	12939.30	26.704	41.036	642.374	420.521	246.483	174.038
2022	48787	31560.212	17871.155	13689.06	28.059	43.374	641.610	417.708	235.027	182.682
2023	49087	31508.781	17139.979	14368.80	29.272	45.603	640.265	413.791	223.567	190.224
2024	49307	31517.293	16406.226	15111.07	30.647	47.945	637.954	410.740	212.270	198.470
2025	49036	31175.389	15607.132	15568.26	31.749	49.938	731.194	468.912	232.723	236.188
2026	45887	29044.598	13903.126	15141.47	32.998	52.132	681.291	435.206	206.424	228.783
2027	45702	28825.765	13144.364	15681.40	34.312	54.401	675.506	430.203	194.281	235.922
2028	45469	28513.846	12369.559	16144.29	35.506	56.619	668.913	423.769	181.972	241.797
2029	45200	28148.109	11589.614	16558.49	36.634	58.826	661.669	416.486	169.658	246.828
2030	44083	27314.475	10787.836	16526.64	37.490	60.505	762.368	478.407	186.564	291.843
2031	41442	25423.102	9702.356	15720.75	37.934	61.836	715.306	444.684	167.466	277.218
2032	41050	25085.902	9087.726	15998.18	38.973	63.774	706.735	437.933	156.459	281.474
2033	40636	24645.067	8486.922	16158.15	39.763	65.563	697.507	429.194	145.674	283.519
2034	40188	24239.126	7908.729	16330.40	40.635	67.372	687.505	420.967	135.298	285.669
2035	38255	22944.147	7226.933	15717.21	41.085	68.502	799.345	487.980	151.008	336.972
2036	33726	19950.581	5961.927	13988.65	41.477	70.117	705.293	424.953	124.678	300.275
2037	33159	19415.334	5451.266	13964.07	42.113	71.923	693.533	413.871	114.016	299.855
2038	32592	18939.317	5049.568	13889.75	42.617	73.338	681.230	403.701	105.544	298.157
2039	32040	18379.752	4609.530	13770.22	42.978	74.921	668.597	391.373	96.190	295.183

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3261638	398833.796	199947.780	198886.0	6.098	49.867	891.177	109.498	54.632	54.867

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.692	250.551	0.267	1.979	1335.88	180.485	176.913	3.572
1993	93680	12730.613	12252.444	478.168	0.510	3.756	1316.45	178.900	172.179	6.721
1994	90835	12495.323	11750.671	744.652	0.820	5.959	1257.48	172.983	162.671	10.312
1995	89704	12365.590	11313.324	1052.266	1.173	8.510	1222.55	168.534	154.186	14.348
1996	88296	12290.551	10855.844	1434.708	1.625	11.673	1187.71	165.338	146.027	19.311
1997	84792	11719.531	9991.697	1727.834	2.038	14.743	1124.73	155.473	132.537	22.936
1998	82538	11416.794	9348.534	2068.260	2.506	18.116	1079.39	149.327	122.256	27.072
1999	93972	13028.038	10180.914	2847.124	3.030	21.854	1212.32	168.109	131.342	36.767
2000	90082	12426.299	9247.834	3178.465	3.528	25.579	1147.62	158.354	117.815	40.540
2001	86173	11939.281	8357.046	3582.235	4.157	30.004	1085.55	150.461	105.277	45.184
2002	83080	11528.794	7553.828	3974.966	4.784	34.479	1036.24	143.865	94.217	49.648
2003	79382	11048.407	6776.611	4271.795	5.381	38.664	980.731	136.581	83.723	52.858
2004	73952	10375.132	5902.936	4472.196	6.047	43.105	904.420	126.978	72.192	54.786
2005	71755	10051.029	5306.018	4745.011	6.613	47.209	867.730	121.652	64.165	57.486
2006	67670	9542.523	4622.980	4919.543	7.270	51.554	811.063	114.490	55.409	59.080
2007	63633	8936.533	3981.580	4954.953	7.787	55.446	754.960	106.151	47.239	58.912
2008	63320	8944.180	3656.191	5287.989	8.351	59.122	742.981	105.091	42.901	62.190
2009	59909	8390.033	3167.213	5222.820	8.718	62.250	694.909	97.471	36.738	60.733
2010	58185	8157.570	2827.940	5329.629	9.160	65.334	667.060	93.685	32.421	61.265
2011	57565	8035.356	2537.266	5498.090	9.551	68.424	653.604	91.414	28.809	62.605
2012	57630	7970.766	2282.600	5688.166	9.870	71.363	647.510	89.752	25.646	64.105
2013	57310	7743.216	2039.021	5704.195	9.953	73.667	636.855	86.254	22.659	63.596
2014	57808	7774.935	1861.985	5912.950	10.229	76.051	635.189	85.658	20.459	65.199
2015	58698	7722.535	1717.444	6005.091	10.231	77.761	720.629	95.120	21.085	74.035
2016	58991	7600.353	1539.047	6061.306	10.275	79.750	717.111	92.723	18.709	74.014
2017	59370	7470.266	1385.990	6084.277	10.248	81.447	714.666	90.274	16.684	73.591
2018	56456	6907.050	1173.993	5733.057	10.155	83.003	672.908	82.675	13.993	68.682
2019	56297	6732.046	1055.999	5676.048	10.082	84.314	664.293	79.801	12.461	67.340
2020	55758	6429.836	943.326	5486.510	9.840	85.329	744.864	86.373	12.602	73.772
2021	56777	6562.016	871.888	5690.127	10.022	86.713	752.700	87.513	11.559	75.955
2022	56344	6352.366	784.815	5567.551	9.881	87.645	740.995	84.075	10.321	73.754
2023	55888	6134.123	711.786	5422.337	9.702	88.396	728.983	80.557	9.284	71.273
2024	55353	5922.193	643.844	5278.349	9.536	89.128	716.171	77.179	8.330	68.849
2025	53908	5504.188	570.176	4934.011	9.153	89.641	803.847	82.789	8.502	74.287
2026	55953	5641.075	549.527	5091.549	9.100	90.258	830.755	84.526	8.159	76.367
2027	54903	5426.216	502.899	4923.316	8.967	90.732	811.495	80.982	7.433	73.549
2028	53822	5197.830	458.585	4739.245	8.805	91.177	791.790	77.249	6.746	70.503
2029	52733	4973.547	420.387	4553.159	8.634	91.548	771.944	73.590	6.154	67.436
2030	50258	4450.618	362.071	4088.547	8.135	91.865	869.162	77.952	6.262	71.690
2031	52852	4555.052	359.979	4195.073	7.937	92.097	912.247	79.674	6.213	73.461
2032	51566	4349.999	332.102	4017.897	7.792	92.365	887.795	75.939	5.718	70.222
2033	50292	4147.948	309.992	3837.956	7.631	92.527	863.237	72.237	5.321	66.916
2034	49008	3966.133	289.391	3676.742	7.502	92.703	838.393	68.881	4.951	63.930
2035	45453	3289.064	232.546	3056.518	6.725	92.930	949.748	69.952	4.859	65.093
2036	47364	3313.192	227.564	3085.628	6.515	93.132	990.484	70.572	4.759	65.813
2037	45865	3117.951	209.682	2908.270	6.341	93.275	959.294	66.464	4.386	62.079
2038	44409	2949.775	196.286	2753.489	6.200	93.346	928.210	62.876	4.103	58.773
2039	43009	2766.312	183.322	2582.990	6.006	93.373	897.485	58.905	3.825	55.080

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1361481	104899.750	51505.776	53393.97	3.922	50.900	371.997	28.800	14.073	14.727

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.556	27.507	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.236	76.888	0.236	2.389	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.112	145.568	0.444	4.511	460.482	45.344	43.298	2.046
1994	33006	3277.266	3045.164	232.101	0.703	7.082	456.920	45.370	42.156	3.214
1995	33732	3309.378	2976.823	332.556	0.986	10.049	459.725	45.104	40.570	4.534
1996	33754	3312.987	2863.414	449.573	1.332	13.570	454.035	44.568	38.517	6.051
1997	33705	3267.066	2704.176	562.890	1.670	17.229	447.080	43.341	35.870	7.471
1998	33282	3178.725	2507.738	670.987	2.016	21.109	435.246	41.577	32.795	8.781
1999	33902	3120.351	2339.321	781.031	2.304	25.030	437.368	40.264	30.179	10.085
2000	33842	3142.808	2229.414	913.394	2.699	29.063	431.143	40.050	28.402	11.648
2001	32525	2961.588	1980.904	980.685	3.015	33.113	409.735	37.323	24.954	12.368
2002	32103	2940.627	1838.263	1102.365	3.434	37.487	400.409	36.695	22.928	13.767
2003	30598	2819.545	1645.929	1173.616	3.836	41.624	378.021	34.855	20.335	14.521
2004	29423	2730.466	1480.998	1249.468	4.247	45.760	359.838	33.417	18.112	15.305
2005	27994	2670.510	1344.169	1326.341	4.738	49.666	338.529	32.322	16.255	16.067
2006	27247	2623.285	1222.899	1400.386	5.140	53.383	326.577	31.474	14.657	16.817
2007	26354	2536.599	1091.244	1445.356	5.484	56.980	312.675	30.131	12.947	17.184
2008	26058	2469.443	982.638	1486.806	5.706	60.208	305.757	29.015	11.530	17.485
2009	25106	2386.945	876.035	1510.910	6.018	63.299	291.220	27.730	10.162	17.569
2010	24915	2329.274	788.533	1540.742	6.184	66.147	285.632	26.750	9.040	17.710
2011	24876	2286.581	709.169	1577.412	6.341	68.986	282.447	26.013	8.052	17.961
2012	24593	2243.311	637.115	1606.196	6.531	71.599	276.315	25.260	7.158	18.102
2013	24554	2176.503	566.441	1610.062	6.557	73.975	272.859	24.245	6.295	17.950
2014	25415	2211.619	528.504	1683.115	6.623	76.103	279.253	24.366	5.807	18.559
2015	26453	2237.016	496.447	1740.569	6.580	77.808	324.759	27.554	6.095	21.459
2016	26887	2229.057	456.311	1772.746	6.593	79.529	326.848	27.194	5.547	21.647
2017	27789	2221.649	420.626	1801.023	6.481	81.067	334.505	26.848	5.063	21.784
2018	25429	1939.420	341.546	1597.874	6.284	82.389	303.090	23.214	4.071	19.143
2019	25619	1904.400	309.435	1594.965	6.226	83.752	302.300	22.574	3.651	18.923
2020	25587	1806.054	274.339	1531.716	5.986	84.810	341.810	24.261	3.665	20.596
2021	25674	1748.172	246.172	1502.000	5.850	85.918	340.366	23.314	3.264	20.051
2022	25783	1701.148	223.288	1477.860	5.732	86.874	339.078	22.515	2.937	19.579
2023	25883	1652.087	203.756	1448.331	5.596	87.667	337.609	21.696	2.658	19.038
2024	25941	1597.127	184.467	1412.659	5.446	88.450	335.627	20.814	2.387	18.427
2025	25560	1467.622	160.859	1306.763	5.113	89.039	381.129	22.075	2.399	19.676
2026	25804	1390.505	144.560	1245.945	4.828	89.604	383.124	20.835	2.146	18.689
2027	25606	1342.095	132.175	1209.920	4.725	90.152	378.470	20.030	1.954	18.076
2028	25382	1289.536	121.039	1168.497	4.604	90.614	373.397	19.165	1.781	17.384
2029	25145	1242.216	111.228	1130.988	4.498	91.046	368.086	18.380	1.628	16.752
2030	24352	1096.803	93.833	1002.970	4.119	91.445	421.150	19.210	1.623	17.588
2031	24381	1019.991	84.376	935.615	3.837	91.728	420.824	17.841	1.456	16.385
2032	24050	977.406	77.848	899.558	3.740	92.035	414.065	17.063	1.340	15.723
2033	23711	937.450	72.852	864.597	3.646	92.229	406.984	16.326	1.250	15.075
2034	23346	900.763	68.079	832.684	3.567	92.442	399.396	15.644	1.165	14.479
2035	22211	745.023	54.510	690.514	3.109	92.683	464.094	15.845	1.139	14.706
2036	21387	680.360	48.114	632.246	2.956	92.928	447.246	14.492	1.006	13.486
2037	20889	644.109	44.732	599.377	2.869	93.055	436.899	13.730	0.936	12.795
2038	20391	612.448	41.999	570.449	2.798	93.142	426.197	13.055	0.878	12.177
2039	19901	577.529	39.375	538.154	2.704	93.182	415.277	12.298	0.822	11.476

Results for PHIM for Run 6 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 6, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2181350	862051.244	555332.286	306719.0	14.061	35.580	596.010	236.673	151.733	84.939

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.201	50.173	0.187	0.424	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.248	108.123	0.363	0.816	418.408	186.148	184.627	1.521
1994	29805	13355.662	13183.994	171.668	0.576	1.285	412.606	184.893	182.513	2.381
1995	29757	13397.439	13142.661	254.778	0.856	1.902	405.549	182.598	179.118	3.480
1996	30903	13960.356	13604.609	355.747	1.151	2.548	415.697	187.801	183.002	4.799
1997	31133	14109.552	13644.770	464.782	1.493	3.294	412.976	187.180	180.994	6.186
1998	32104	14599.657	13991.631	608.026	1.894	4.165	419.844	190.958	182.976	7.982
1999	34628	15728.102	14939.360	788.743	2.278	5.015	446.736	202.950	192.730	10.220
2000	34316	15579.803	14642.012	937.791	2.733	6.019	437.174	198.541	186.535	12.006
2001	34614	15696.614	14567.149	1129.465	3.263	7.196	436.050	197.812	183.508	14.304
2002	34319	15519.777	14208.845	1310.933	3.820	8.447	428.057	193.668	177.223	16.445
2003	35110	15888.389	14339.382	1549.007	4.412	9.749	433.777	196.413	177.158	19.255
2004	33555	15091.573	13410.401	1681.172	5.010	11.140	410.370	184.701	164.007	20.695
2005	35446	15803.656	13794.975	2008.680	5.667	12.710	428.650	191.278	166.822	24.457
2006	34043	15100.563	12962.060	2138.504	6.282	14.162	408.027	181.174	155.359	25.816
2007	34073	14974.384	12608.500	2365.883	6.944	15.800	404.246	177.871	149.591	28.280
2008	37518	16406.197	13568.099	2838.099	7.565	17.299	440.221	192.768	159.205	33.563
2009	36930	16083.194	12999.929	3083.265	8.349	19.171	428.368	186.846	150.793	36.053
2010	36906	15927.400	12622.710	3304.690	8.954	20.748	423.101	182.917	144.711	38.206
2011	37771	16221.836	12550.444	3671.392	9.720	22.632	428.860	184.547	142.500	42.046
2012	38419	16358.849	12351.771	4007.079	10.430	24.495	431.655	184.202	138.780	45.423
2013	40291	16994.822	12493.450	4501.372	11.172	26.487	447.732	189.311	138.833	50.478
2014	40282	16855.093	12051.338	4803.756	11.925	28.500	442.609	185.696	132.419	53.277
2015	42430	17572.483	12286.630	5285.852	12.458	30.080	520.910	216.445	150.842	65.603
2016	42860	17579.955	11905.246	5674.709	13.240	32.279	521.011	214.473	144.723	69.751
2017	44653	18080.688	11854.389	6226.300	13.944	34.436	537.505	218.496	142.696	75.800
2018	45683	18209.262	11587.757	6621.505	14.494	36.363	544.501	217.960	138.116	79.843
2019	47240	18648.302	11472.489	7175.813	15.190	38.480	557.422	221.054	135.373	85.681
2020	48740	19002.597	11351.545	7651.052	15.698	40.263	651.105	255.266	151.643	103.623
2021	48780	18885.717	10861.340	8024.377	16.450	42.489	646.674	251.867	143.990	107.877
2022	50195	19235.076	10670.624	8564.452	17.062	44.525	660.127	254.582	140.331	114.250
2023	51620	19521.158	10462.361	9058.797	17.549	46.405	673.316	256.363	136.467	119.896
2024	52987	19918.620	10259.970	9658.649	18.228	48.491	685.569	259.583	132.747	126.836
2025	54032	20150.545	10009.105	10141.44	18.769	50.328	805.686	303.086	149.249	153.837
2026	54935	20393.792	9710.905	10682.89	19.446	52.383	815.637	305.582	144.181	161.401
2027	55808	20615.351	9390.537	11224.81	20.113	54.449	824.879	307.668	138.797	168.871
2028	56626	20731.894	9027.318	11704.58	20.670	56.457	833.039	308.115	132.803	175.311
2029	57405	20781.967	8644.631	12137.34	21.143	58.403	840.337	307.495	126.547	180.948
2030	57694	20753.201	8274.090	12479.11	21.630	60.131	997.753	363.487	143.092	220.396
2031	59321	21048.417	8152.541	12895.88	21.739	61.268	1023.91	368.165	140.715	227.449
2032	59883	21169.329	7817.927	13351.40	22.296	63.070	1030.97	369.560	134.598	234.962
2033	60405	21109.293	7448.839	13660.45	22.615	64.713	1036.82	367.618	127.856	239.762
2034	60852	21109.429	7084.203	14025.23	23.048	66.441	1041.02	366.613	121.193	245.420
2035	60238	20794.840	6705.880	14088.96	23.389	67.752	1258.68	442.268	140.121	302.147
2036	57318	19354.577	5972.230	13382.35	23.348	69.143	1198.65	412.258	124.893	287.364
2037	57313	19064.169	5539.364	13524.80	23.598	70.944	1198.74	406.385	115.858	290.527
2038	57276	18854.812	5187.595	13667.22	23.862	72.487	1197.16	401.900	108.428	293.471
2039	57231	18437.457	4777.813	13659.64	23.868	74.086	1194.27	392.602	99.701	292.900

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Control File Details for Run: 7

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	M (Males)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S4D
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_4
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 7, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003842	0.008742	0.000000
15-19	1-12	0.004720	0.003614	0.000000
20-24	1-12	0.000376	0.000943	0.000000
25-29	1-12	0.000187	0.001143	0.000000
30-34	1-12	0.000093	0.000871	0.000000
35-39	1-12	0.000000	0.000867	0.000000
40-44	1-12	0.000000	0.001399	0.000000
45-49	1-12	0.000000	0.002033	0.000000
50-54	1-12	0.000000	0.003209	0.000000
55-59	1-12	0.000000	0.003574	0.000000
60-64	1-12	0.000000	0.003460	0.000000
65-69	1-12	0.000000	0.004136	0.000000
70-74	1-12	0.000000	0.005592	0.000000
75-79	1-12	0.000000	0.005592	0.000000
10-14	13-72	0.004906	0.008742	0.000000
15-19	13-72	0.006989	0.004426	0.000000
20-24	13-72	0.000687	0.001527	0.000000
25-29	13-72	0.000962	0.001515	0.000000
30-34	13-72	0.000364	0.001227	0.000000
35-39	13-72	0.000000	0.001630	0.000000
40-44	13-72	0.000000	0.001852	0.000000
45-49	13-72	0.000000	0.002667	0.000000
50-54	13-72	0.000000	0.003208	0.000000
55-59	13-72	0.000000	0.003978	0.000000
60-64	13-72	0.000000	0.005771	0.000000
65-69	13-72	0.000000	0.010432	0.000000
70-74	13-72	0.000000	0.007079	0.000000
75-79	13-72	0.000000	0.007079	0.000000
10-14	73-132	0.004312	0.008742	0.000000
15-19	73-132	0.005330	0.003289	0.000000
20-24	73-132	0.002456	0.003844	0.000000
25-29	73-132	0.000839	0.002006	0.000000
30-34	73-132	0.000414	0.001329	0.000000
35-39	73-132	0.000000	0.001278	0.000000
40-44	73-132	0.000000	0.001691	0.000000
45-49	73-132	0.000000	0.002904	0.000000
50-54	73-132	0.000000	0.003319	0.000000
55-59	73-132	0.000000	0.003976	0.000000
60-64	73-132	0.000000	0.005235	0.000000
65-69	73-132	0.000000	0.005901	0.000000
70-74	73-132	0.000000	0.005615	0.000000
75-79	73-132	0.000000	0.005615	0.000000
10-14	133-192	0.003468	0.008742	0.000000
15-19	133-192	0.004675	0.003732	0.000000
20-24	133-192	0.000062	0.002260	0.000000
25-29	133-192	0.001422	0.002822	0.000000
30-34	133-192	0.000696	0.002610	0.000000
35-39	133-192	0.000000	0.002058	0.000000
40-44	133-192	0.000000	0.002310	0.000000
45-49	133-192	0.000000	0.002256	0.000000
50-54	133-192	0.000000	0.002663	0.000000
55-59	133-192	0.000000	0.001746	0.000000
60-64	133-192	0.000000	0.005809	0.000000
65-69	133-192	0.000000	0.005896	0.000000
70-74	133-192	0.000000	0.007323	0.000000
75-79	133-192	0.000000	0.007323	0.000000
10-14	193-252	0.002314	0.008742	0.000000
15-19	193-252	0.003987	0.005036	0.000000
20-24	193-252	0.000320	0.002857	0.000000
25-29	193-252	0.000251	0.002314	0.000000
30-34	193-252	0.000125	0.004343	0.000000
35-39	193-252	0.000000	0.002092	0.000000
40-44	193-252	0.000000	0.002566	0.000000
45-49	193-252	0.000000	0.002311	0.000000
50-54	193-252	0.000000	0.003209	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.004057	0.000000
60-64	193-252	0.000000	0.007166	0.000000
65-69	193-252	0.000000	0.004281	0.000000
70-74	193-252	0.000000	0.004580	0.000000
75-79	193-252	0.000000	0.004580	0.000000
10-14	253+	0.001325	0.008742	0.000000
15-19	253+	0.002984	0.010602	0.000000
20-24	253+	0.000452	0.004314	0.000000
25-29	253+	0.000225	0.003645	0.000000
30-34	253+	0.000112	0.004512	0.000000
35-39	253+	0.000000	0.002147	0.000000
40-44	253+	0.000000	0.002636	0.000000
45-49	253+	0.000000	0.001051	0.000000
50-54	253+	0.000000	0.002519	0.000000
55-59	253+	0.000000	0.003693	0.000000
60-64	253+	0.000000	0.005888	0.000000
65-69	253+	0.000000	0.004823	0.000000
70-74	253+	0.000000	0.004733	0.000000
75-79	253+	0.000000	0.004733	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 7, Scenario: Ecig

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	S4D
Note:	Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001921	0.002882	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.002360	0.003540	0.000000	0.003614	0.003614	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000188	0.000282	0.000000	0.000943	0.000943	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000093	0.000140	0.000000	0.001143	0.001143	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000047	0.000070	0.000000	0.000871	0.000871	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000867	0.000867	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.001399	0.001399	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.002033	0.002033	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.003574	0.003574	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.003460	0.003460	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.004136	0.004136	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.005592	0.005592	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001962	0.004415	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.002796	0.006290	0.000000	0.004426	0.004426	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000275	0.000618	0.000000	0.001527	0.001527	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000385	0.000866	0.000000	0.001515	0.001515	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000146	0.000328	0.000000	0.001227	0.001227	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.001630	0.001630	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001852	0.001852	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002667	0.002667	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003208	0.003208	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.003978	0.003978	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.005771	0.005771	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.010432	0.010432	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.007079	0.007079	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000862	0.005174	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.001066	0.006396	0.000000	0.003289	0.003289	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000491	0.002947	0.000000	0.003844	0.003844	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000168	0.001007	0.000000	0.002006	0.002006	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000083	0.000497	0.000000	0.001329	0.001329	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001278	0.001278	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.001691	0.001691	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.002904	0.002904	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.003319	0.003319	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.003976	0.003976	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.005235	0.005235	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.005901	0.005901	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.005615	0.005615	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000173	0.004941	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000234	0.006663	0.000000	0.003732	0.003732	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000003	0.000089	0.000000	0.002260	0.002260	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000071	0.002027	0.000000	0.002822	0.002822	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000035	0.000992	0.000000	0.002610	0.002610	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.002058	0.002058	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.002310	0.002310	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.002256	0.002256	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002663	0.002663	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.001747	0.001747	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005809	0.005809	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.005896	0.005896	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.007323	0.007323	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000116	0.003298	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000199	0.005681	0.000000	0.005036	0.005036	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000016	0.000455	0.000000	0.002857	0.002857	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000013	0.000358	0.000000	0.002314	0.002314	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000006	0.000178	0.000000	0.004343	0.004343	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.002092	0.002092	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002566	0.002566	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002311	0.002311	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003209	0.003209	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.004057	0.004057	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007166	0.007166	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004281	0.004281	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.004580	0.004580	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000066	0.001888	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000149	0.004252	0.000000	0.010602	0.010602	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000023	0.000644	0.000000	0.004314	0.004314	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000011	0.000320	0.000000	0.003645	0.003645	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000006	0.000159	0.000000	0.004512	0.004512	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002147	0.002147	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.002636	0.002636	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.001051	0.001051	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.002519	0.002519	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.003693	0.003693	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005888	0.005888	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.004823	0.004823	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004733	0.004733	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

25-29	253+	0.015212	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.015460	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.014711	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.014241	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.013014	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011768	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.011032	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.009525	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006897	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.005435	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 7, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	19445	50.68
50	All Ages	CC	3024	7.88
50	All Ages	Former	15896	41.43

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

50	60-64	Never Any	4363	49.33
50	60-64	CC	934	10.56
50	60-64	Former	3548	40.11
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	4948	54.73
50	65-69	CC	734	8.12
50	65-69	Former	3358	37.15
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5145	52.41
50	70-74	CC	688	7.01
50	70-74	Former	3983	40.58
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	4989	46.78
50	75-79	CC	668	6.26
50	75-79	Former	5007	46.95

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 7, Simulation: 1, Scenario: Ecig

Variable Parameter		Value							
1. Country		US (United States)							
2. Sex		M (Males)							
3. Year of start of process		1990							
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	34075	39.78					
0	All Ages	CC	27323	31.90	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	24266	28.33			13.08	3623	14.93
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2783	78.42					
0	18-19	CC	634	17.86	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	132	3.72			0.11	132	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5722	58.29					
0	20-24	CC	3199	32.59	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	895	9.12			1.46	506	56.54
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5232	49.06					
0	25-29	CC	3914	36.70	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1518	14.23			2.87	643	42.36
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	4765	43.65					
0	30-34	CC	4023	36.85	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	2128	19.49			4.06	592	27.82
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	3941	39.85					
0	35-39	CC	3474	35.13	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	2474	25.02			8.31	425	17.18
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	2912	33.65					
0	40-44	CC	3113	35.97	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	2630	30.39			10.69	317	12.05
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	1919	29.46					
0	45-49	CC	2318	35.58	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	2278	34.97			13.26	221	9.70
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	1611	29.41					
0	50-54	CC	1816	33.16	0	0.00			

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0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	2050	37.43			14.55	261	12.73
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	1337	26.83					
0	55-59	CC	1520	30.50	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	2126	42.67			14.80	216	10.16
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	1169	23.83					
0	60-64	CC	1287	26.24	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	2449	49.93			18.87	106	4.33
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	1023	23.32					
0	65-69	CC	979	22.32	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	2385	54.37			19.91	113	4.74
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	961	27.46					
0	70-74	CC	675	19.29	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1863	53.24			20.69	23	1.23
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	700	29.06					
0	75-79	CC	371	15.40	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	1338	55.54			22.88	68	5.08
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	37668	40.81					
5	All Ages	CC	11475	12.43	0	0.00			
5	All Ages	Ecig	16191	17.54					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	26956	29.21			15.16	1745	6.47
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2215	62.50					
5	18-19	CC	303	8.55	0	0.00			
5	18-19	Ecig	890	25.11					
5	18-19	Dual	0	0.00					
5	18-19	Former	136	3.84			1.10	95	69.85
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5440	60.18					
5	20-24	CC	930	10.29	0	0.00			
5	20-24	Ecig	2153	23.82					
5	20-24	Dual	0	0.00					
5	20-24	Former	517	5.72			2.71	163	31.53
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5406	55.07					
5	25-29	CC	1255	12.79	0	0.00			
5	25-29	Ecig	2006	20.44					
5	25-29	Dual	0	0.00					
5	25-29	Former	1149	11.71			5.43	116	10.10
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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5	30-34	Never Any	5022	47.09					
5	30-34	CC	1480	13.88	0	0.00			
5	30-34	Ecig	2360	22.13					
5	30-34	Dual	0	0.00					
5	30-34	Former	1802	16.90			6.94	108	5.99
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	4712	43.17					
5	35-39	CC	1496	13.70	0	0.00			
5	35-39	Ecig	2286	20.94					
5	35-39	Dual	0	0.00					
5	35-39	Former	2422	22.19			8.20	115	4.75
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	3941	39.85					
5	40-44	CC	1280	12.94	0	0.00			
5	40-44	Ecig	1894	19.15					
5	40-44	Dual	0	0.00					
5	40-44	Former	2774	28.05			12.06	130	4.69
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	2912	33.65					
5	45-49	CC	1236	14.28	0	0.00			
5	45-49	Ecig	1562	18.05					
5	45-49	Dual	0	0.00					
5	45-49	Former	2945	34.03			14.20	148	5.03
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	1919	29.46					
5	50-54	CC	940	14.43	0	0.00			
5	50-54	Ecig	1015	15.58					
5	50-54	Dual	0	0.00					
5	50-54	Former	2641	40.54			15.98	175	6.63
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	1611	29.41					
5	55-59	CC	740	13.51	0	0.00			
5	55-59	Ecig	762	13.91					
5	55-59	Dual	0	0.00					
5	55-59	Former	2364	43.16			17.21	122	5.16
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	1337	26.83					
5	60-64	CC	597	11.98	0	0.00			
5	60-64	Ecig	572	11.48					
5	60-64	Dual	0	0.00					
5	60-64	Former	2477	49.71			17.27	143	5.77
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	1169	23.83					
5	65-69	CC	477	9.72	0	0.00			
5	65-69	Ecig	360	7.34					
5	65-69	Dual	0	0.00					
5	65-69	Former	2899	59.10			20.44	196	6.76
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	1023	23.32					
5	70-74	CC	438	9.98	0	0.00			
5	70-74	Ecig	196	4.47					
5	70-74	Dual	0	0.00					
5	70-74	Former	2730	62.23			22.00	137	5.02
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	961	27.46					
5	75-79	CC	303	8.66	0	0.00			
5	75-79	Ecig	135	3.86					
5	75-79	Dual	0	0.00					
5	75-79	Former	2100	60.02			23.02	97	4.62
Year of Follow-up: 2000, Age Group: All Ages									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	37583	39.94					
10	All Ages	CC	4786	5.09	0	0.00			
10	All Ages	Ecig	22069	23.45					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	29654	31.52			16.70	1814	6.12
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4038	45.65					
10	20-24	CC	421	4.76	0	0.00			
10	20-24	Ecig	3287	37.16					
10	20-24	Dual	0	0.00					
10	20-24	Former	1099	12.43			3.41	309	28.12
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	4870	53.87					
10	25-29	CC	389	4.30	0	0.00			
10	25-29	Ecig	2750	30.42					
10	25-29	Dual	0	0.00					
10	25-29	Former	1031	11.40			4.78	220	21.34
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5125	52.21					
10	30-34	CC	480	4.89	0	0.00			
10	30-34	Ecig	2744	27.95					
10	30-34	Dual	0	0.00					
10	30-34	Former	1467	14.94			8.58	128	8.73
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	4926	46.19					
10	35-39	CC	609	5.71	0	0.00			
10	35-39	Ecig	3046	28.56					
10	35-39	Dual	0	0.00					
10	35-39	Former	2083	19.53			10.59	111	5.33
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	4712	43.17					
10	40-44	CC	567	5.19	0	0.00			
10	40-44	Ecig	2866	26.26					
10	40-44	Dual	0	0.00					
10	40-44	Former	2771	25.38			11.81	126	4.55
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	3941	39.85					
10	45-49	CC	484	4.89	0	0.00			
10	45-49	Ecig	2312	23.38					
10	45-49	Dual	0	0.00					
10	45-49	Former	3152	31.87			15.25	163	5.17
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	2912	33.65					
10	50-54	CC	473	5.47	0	0.00			
10	50-54	Ecig	1859	21.48					
10	50-54	Dual	0	0.00					
10	50-54	Former	3411	39.41			16.85	186	5.45
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	1919	29.46					
10	55-59	CC	363	5.57	0	0.00			
10	55-59	Ecig	1194	18.33					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		3039	46.65			18.50	146	4.80
10	60-64	Never Any		1611	29.41					
10	60-64	CC		306	5.59	0	0.00			
10	60-64	Ecig		852	15.56					
10	60-64	Dual		0	0.00					
10	60-64	Former		2708	49.44			19.63	144	5.32
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		1337	26.83					
10	65-69	CC		244	4.90	0	0.00			
10	65-69	Ecig		603	12.10					
10	65-69	Dual		0	0.00					
10	65-69	Former		2799	56.17			19.95	120	4.29
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		1169	23.83					
10	70-74	CC		236	4.81	0	0.00			
10	70-74	Ecig		327	6.67					
10	70-74	Dual		0	0.00					
10	70-74	Former		3173	64.69			23.44	94	2.96
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		1023	23.32					
10	75-79	CC		214	4.88	0	0.00			
10	75-79	Ecig		229	5.22					
10	75-79	Dual		0	0.00					
10	75-79	Former		2921	66.58			25.38	67	2.29
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		35646	39.74					
15	All Ages	CC		1887	2.10	0	0.00			
15	All Ages	Ecig		21328	23.78					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		30844	34.38			18.25	1656	5.37
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		3679	41.59					
15	25-29	CC		162	1.83	0	0.00			
15	25-29	Ecig		3338	37.74					
15	25-29	Dual		0	0.00					
15	25-29	Former		1666	18.84			6.27	217	13.03
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		4479	49.55					
15	30-34	CC		147	1.63	0	0.00			
15	30-34	Ecig		2894	32.01					
15	30-34	Dual		0	0.00					
15	30-34	Former		1520	16.81			7.23	199	13.09
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		4961	50.54					
15	35-39	CC		187	1.91	0	0.00			

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15	35-39	Ecig	2820	28.73					
15	35-39	Dual	0	0.00					
15	35-39	Former	1848	18.83			11.18	155	8.39
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	4926	46.19					
15	40-44	CC	231	2.17	0	0.00			
15	40-44	Ecig	3008	28.21					
15	40-44	Dual	0	0.00					
15	40-44	Former	2499	23.43			13.28	202	8.08
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	4712	43.17					
15	45-49	CC	216	1.98	0	0.00			
15	45-49	Ecig	2800	25.65					
15	45-49	Dual	0	0.00					
15	45-49	Former	3188	29.20			14.87	160	5.02
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	3941	39.85					
15	50-54	CC	213	2.15	0	0.00			
15	50-54	Ecig	2180	22.04					
15	50-54	Dual	0	0.00					
15	50-54	Former	3555	35.95			18.19	154	4.33
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	2912	33.65					
15	55-59	CC	215	2.48	0	0.00			
15	55-59	Ecig	1781	20.58					
15	55-59	Dual	0	0.00					
15	55-59	Former	3747	43.29			20.09	117	3.12
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	1919	29.46					
15	60-64	CC	143	2.19	0	0.00			
15	60-64	Ecig	1100	16.88					
15	60-64	Dual	0	0.00					
15	60-64	Former	3353	51.47			21.47	156	4.65
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	1611	29.41					
15	65-69	CC	124	2.26	0	0.00			
15	65-69	Ecig	705	12.87					
15	65-69	Dual	0	0.00					
15	65-69	Former	3037	55.45			22.19	118	3.89
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	1337	26.83					
15	70-74	CC	129	2.59	0	0.00			
15	70-74	Ecig	441	8.85					
15	70-74	Dual	0	0.00					
15	70-74	Former	3076	61.73			22.89	112	3.64
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	1169	23.83					
15	75-79	CC	120	2.45	0	0.00			
15	75-79	Ecig	261	5.32					
15	75-79	Dual	0	0.00					
15	75-79	Former	3355	68.40			27.01	66	1.97
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	34261	40.40					
20	All Ages	CC	725	0.85	0	0.00			
20	All Ages	Ecig	18237	21.51					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	31577	37.24			19.57	1598	5.06
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	3537	39.99					
20	30-34	CC	61	0.69	0	0.00			
20	30-34	Ecig	2963	33.50					
20	30-34	Dual	0	0.00					
20	30-34	Former	2284	25.82			8.72	275	12.04
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4405	48.73					
20	35-39	CC	56	0.62	0	0.00			
20	35-39	Ecig	2517	27.84					
20	35-39	Dual	0	0.00					
20	35-39	Former	2062	22.81			9.59	165	8.00
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	4961	50.54					
20	40-44	CC	68	0.69	0	0.00			
20	40-44	Ecig	2566	26.14					
20	40-44	Dual	0	0.00					
20	40-44	Former	2221	22.63			13.79	150	6.75
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	4926	46.19					
20	45-49	CC	89	0.83	0	0.00			
20	45-49	Ecig	2673	25.07					
20	45-49	Dual	0	0.00					
20	45-49	Former	2976	27.91			15.69	175	5.88
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	4712	43.17					
20	50-54	CC	87	0.80	0	0.00			
20	50-54	Ecig	2497	22.87					
20	50-54	Dual	0	0.00					
20	50-54	Former	3620	33.16			17.74	174	4.81
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	3941	39.85					
20	55-59	CC	85	0.86	0	0.00			
20	55-59	Ecig	1859	18.80					
20	55-59	Dual	0	0.00					
20	55-59	Former	4004	40.49			20.81	181	4.52
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	2912	33.65					
20	60-64	CC	87	1.01	0	0.00			
20	60-64	Ecig	1428	16.50					
20	60-64	Dual	0	0.00					
20	60-64	Former	4228	48.85			22.41	241	5.70
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	1919	29.46					
20	65-69	CC	60	0.92	0	0.00			
20	65-69	Ecig	809	12.42					
20	65-69	Dual	0	0.00					
20	65-69	Former	3727	57.21			24.03	133	3.57
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	1611	29.41					
20	70-74	CC	69	1.26	0	0.00			
20	70-74	Ecig	574	10.48					
20	70-74	Dual	0	0.00					
20	70-74	Former	3223	58.85			25.75	61	1.89
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	1337	26.83					
20	75-79	CC	63	1.26	0	0.00			
20	75-79	Ecig	351	7.04					
20	75-79	Dual	0	0.00					
20	75-79	Former	3232	64.86			26.66	43	1.33
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	32900	41.22					
25	All Ages	CC	283	0.35	0	0.00			
25	All Ages	Ecig	15083	18.90					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	31551	39.53			21.57	1149	3.64
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	3513	39.72					
25	35-39	CC	24	0.27	0	0.00			
25	35-39	Ecig	2456	27.77					
25	35-39	Dual	0	0.00					
25	35-39	Former	2852	32.24			11.44	175	6.14
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4405	48.73					
25	40-44	CC	18	0.20	0	0.00			
25	40-44	Ecig	2216	24.51					
25	40-44	Dual	0	0.00					

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25	40-44	Former	2401	26.56			12.81	136	5.66
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	4961	50.54					
25	45-49	CC	29	0.30	0	0.00			
25	45-49	Ecig	2331	23.75					
25	45-49	Dual	0	0.00					
25	45-49	Former	2495	25.42			16.99	83	3.33
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	4926	46.19					
25	50-54	CC	37	0.35	0	0.00			
25	50-54	Ecig	2435	22.83					
25	50-54	Dual	0	0.00					
25	50-54	Former	3266	30.63			19.03	132	4.04
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	4712	43.17					
25	55-59	CC	33	0.30	0	0.00			
25	55-59	Ecig	2110	19.33					
25	55-59	Dual	0	0.00					
25	55-59	Former	4061	37.20			20.50	162	3.99
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	3941	39.85					
25	60-64	CC	28	0.28	0	0.00			
25	60-64	Ecig	1443	14.59					
25	60-64	Dual	0	0.00					
25	60-64	Former	4477	45.27			23.28	205	4.58
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	2912	33.65					
25	65-69	CC	43	0.50	0	0.00			
25	65-69	Ecig	1019	11.77					
25	65-69	Dual	0	0.00					
25	65-69	Former	4681	54.08			24.99	134	2.86
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	1919	29.46					
25	70-74	CC	35	0.54	0	0.00			
25	70-74	Ecig	616	9.46					
25	70-74	Dual	0	0.00					
25	70-74	Former	3945	60.55			27.55	70	1.77
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	1611	29.41					
25	75-79	CC	36	0.66	0	0.00			
25	75-79	Ecig	457	8.34					
25	75-79	Dual	0	0.00					
25	75-79	Former	3373	61.58			29.48	52	1.54
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	31289	42.09					
30	All Ages	CC	96	0.13	0	0.00			
30	All Ages	Ecig	12223	16.44					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	30732	41.34			23.67	960	3.12
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

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30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	3513	39.72					
30	40-44	CC	9	0.10	0	0.00			
30	40-44	Ecig	2152	24.33					
30	40-44	Dual	0	0.00					
30	40-44	Former	3171	35.85			14.99	132	4.16
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4405	48.73					
30	45-49	CC	4	0.04	0	0.00			
30	45-49	Ecig	1978	21.88					
30	45-49	Dual	0	0.00					
30	45-49	Former	2653	29.35			16.36	70	2.64
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	4961	50.54					
30	50-54	CC	9	0.09	0	0.00			
30	50-54	Ecig	2146	21.86					
30	50-54	Dual	0	0.00					
30	50-54	Former	2700	27.51			20.44	104	3.85
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	4926	46.19					
30	55-59	CC	18	0.17	0	0.00			
30	55-59	Ecig	2040	19.13					
30	55-59	Dual	0	0.00					
30	55-59	Former	3680	34.51			21.55	161	4.38
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	4712	43.17					
30	60-64	CC	10	0.09	0	0.00			
30	60-64	Ecig	1619	14.83					
30	60-64	Dual	0	0.00					
30	60-64	Former	4575	41.91			22.86	204	4.46
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	3941	39.85					
30	65-69	CC	13	0.13	0	0.00			
30	65-69	Ecig	1039	10.51					
30	65-69	Dual	0	0.00					
30	65-69	Former	4896	49.51			26.05	145	2.96
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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30	70-74	Never Any	2912	33.65					
30	70-74	CC	18	0.21	0	0.00			
30	70-74	Ecig	770	8.90					
30	70-74	Dual	0	0.00					
30	70-74	Former	4955	57.25			28.45	93	1.88
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	1919	29.46					
30	75-79	CC	15	0.23	0	0.00			
30	75-79	Ecig	479	7.35					
30	75-79	Dual	0	0.00					
30	75-79	Former	4102	62.96			31.39	51	1.24
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	29370	43.30					
35	All Ages	CC	35	0.05	0	0.00			
35	All Ages	Ecig	9635	14.21					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	28785	42.44			25.57	813	2.82
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	3513	39.72					
35	45-49	CC	5	0.06	0	0.00			
35	45-49	Ecig	1909	21.58					
35	45-49	Dual	0	0.00					
35	45-49	Former	3418	38.64			18.72	67	1.96
Year of Follow-up: 2025, Age Group: 50-54									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4405	48.73					
35	50-54	CC	2	0.02	0	0.00			
35	50-54	Ecig	1815	20.08					
35	50-54	Dual	0	0.00					
35	50-54	Former	2818	31.17			20.20	89	3.16
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	4961	50.54					
35	55-59	CC	0	0.00	0	0.00			
35	55-59	Ecig	1773	18.06					
35	55-59	Dual	0	0.00					
35	55-59	Former	3082	31.40			22.53	160	5.19
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	4926	46.19					
35	60-64	CC	9	0.08	0	0.00			
35	60-64	Ecig	1562	14.65					
35	60-64	Dual	0	0.00					
35	60-64	Former	4167	39.08			23.68	188	4.51
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	4712	43.17					
35	65-69	CC	5	0.05	0	0.00			
35	65-69	Ecig	1172	10.74					
35	65-69	Dual	0	0.00					
35	65-69	Former	5027	46.05			25.55	158	3.14
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	3941	39.85					
35	70-74	CC	5	0.05	0	0.00			
35	70-74	Ecig	811	8.20					
35	70-74	Dual	0	0.00					
35	70-74	Former	5132	51.90			29.73	79	1.54
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	2912	33.65					
35	75-79	CC	9	0.10	0	0.00			
35	75-79	Ecig	593	6.85					
35	75-79	Dual	0	0.00					
35	75-79	Former	5141	59.40			32.31	72	1.40
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	26458	44.72					
40	All Ages	CC	13	0.02	0	0.00			
40	All Ages	Ecig	7190	12.15					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	25509	43.11			27.13	735	2.88
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	30-34	Never Any		0	.				0	.
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 55-59										
40	50-54	Never Any		3513	39.72					
40	50-54	CC		2	0.02	0	0.00			
40	50-54	Ecig		1727	19.53					
40	50-54	Dual		0	0.00					
40	50-54	Former		3603	40.73			22.59	90	2.50
Year of Follow-up: 2030, Age Group: 60-64										
40	55-59	Never Any		4405	48.73					
40	55-59	CC		1	0.01	0	0.00			
40	55-59	Ecig		1504	16.64					
40	55-59	Dual		0	0.00					
40	55-59	Former		3130	34.62			22.88	133	4.25
Year of Follow-up: 2030, Age Group: 65-69										
40	60-64	Never Any		4961	50.54					
40	60-64	CC		0	0.00	0	0.00			
40	60-64	Ecig		1322	13.47					
40	60-64	Dual		0	0.00					
40	60-64	Former		3533	35.99			24.26	197	5.58
Year of Follow-up: 2030, Age Group: 70-74										
40	65-69	Never Any		4926	46.19					
40	65-69	CC		4	0.04	0	0.00			
40	65-69	Ecig		1140	10.69					
40	65-69	Dual		0	0.00					
40	65-69	Former		4594	43.08			26.23	137	2.98
Year of Follow-up: 2030, Age Group: 75-79										
40	70-74	Never Any		4712	43.17					
40	70-74	CC		3	0.03	0	0.00			
40	70-74	Ecig		882	8.08					
40	70-74	Dual		0	0.00					
40	70-74	Former		5319	48.73			28.99	95	1.79
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		3941	39.85					
40	75-79	CC		3	0.03	0	0.00			

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

40	75-79	Ecig	615	6.22					
40	75-79	Dual	0	0.00					
40	75-79	Former	5330	53.90			33.51	83	1.56
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	22517	45.69					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	5112	10.37					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	21647	43.93			28.52	585	2.70
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

45	55-59	Never Any	3513	39.72					
45	55-59	CC	1	0.01	0	0.00			
45	55-59	Ecig	1456	16.46					
45	55-59	Dual	0	0.00					
45	55-59	Former	3875	43.81			25.78	123	3.17
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4405	48.73					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	1188	13.14					
45	60-64	Dual	0	0.00					
45	60-64	Former	3447	38.13			25.48	146	4.24
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	4961	50.54					
45	65-69	CC	0	0.00	0	0.00			
45	65-69	Ecig	965	9.83					
45	65-69	Dual	0	0.00					
45	65-69	Former	3890	39.63			26.78	112	2.88
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	4926	46.19					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	866	8.12					
45	70-74	Dual	0	0.00					
45	70-74	Former	4871	45.68			29.57	105	2.16
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	4712	43.17					
45	75-79	CC	3	0.03	0	0.00			
45	75-79	Ecig	637	5.84					
45	75-79	Dual	0	0.00					
45	75-79	Former	5564	50.97			32.59	99	1.78
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	17805	46.41					
50	All Ages	CC	1	0.00	0	0.00			
50	All Ages	Ecig	3272	8.53					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	17287	45.06			30.02	459	2.66
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	3513	39.72					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	1084	12.26					
50	60-64	Dual	0	0.00					
50	60-64	Former	4248	48.03			28.26	157	3.70
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4405	48.73					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	826	9.14					
50	65-69	Dual	0	0.00					
50	65-69	Former	3809	42.13			27.78	140	3.68
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	4961	50.54					
50	70-74	CC	0	0.00	0	0.00			
50	70-74	Ecig	716	7.29					
50	70-74	Dual	0	0.00					
50	70-74	Former	4139	42.17			30.00	82	1.98
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	4926	46.19					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	646	6.06					
50	75-79	Dual	0	0.00					
50	75-79	Former	5091	47.74			33.17	80	1.57

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	13148871	4509390.583	2989105.075	1520286	11.562	33.714	3806.31	1305.37	865.281	440.090

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	1926.84	6.614
1992	308577	122014.015	120877.270	1136.745	0.368	0.932	4729.73	1870.18	1852.75	17.424
1993	311713	122810.618	120675.320	2135.298	0.685	1.739	4692.62	1848.83	1816.68	32.145
1994	305700	119925.592	116642.305	3283.287	1.074	2.738	4516.19	1771.69	1723.19	48.505
1995	303225	117896.496	113270.410	4626.086	1.526	3.924	4393.80	1708.35	1641.31	67.033
1996	299559	115698.645	109593.167	6105.478	2.038	5.277	4273.16	1650.42	1563.33	87.094
1997	294226	113359.847	105764.776	7595.070	2.581	6.700	4128.67	1590.70	1484.12	106.576
1998	289258	111444.212	102355.396	9088.816	3.142	8.155	3992.19	1538.10	1412.66	125.439
1999	311002	114877.722	102719.027	12158.69	3.910	10.584	4224.60	1560.48	1395.32	165.162
2000	303786	112379.704	98504.946	13874.76	4.567	12.346	4066.21	1504.22	1318.50	185.715
2001	296294	110024.943	94315.739	15709.20	5.302	14.278	3914.28	1453.52	1245.99	207.531
2002	291898	108289.173	90520.950	17768.22	6.087	16.408	3813.00	1414.56	1182.45	232.102
2003	285865	106539.023	86951.332	19587.69	6.852	18.385	3695.36	1377.22	1124.01	253.209
2004	274177	103037.251	82117.242	20920.01	7.630	20.303	3506.10	1317.61	1050.09	267.519
2005	272379	103044.562	80205.159	22839.40	8.385	22.165	3442.69	1302.41	1013.74	288.675
2006	264118	99672.555	75199.823	24472.73	9.266	24.553	3307.76	1248.28	941.787	306.492
2007	258419	97839.152	71993.961	25845.19	10.001	26.416	3203.20	1212.75	892.391	320.360
2008	259461	98075.852	70492.936	27582.92	10.631	28.124	3180.09	1202.07	864.000	338.071
2009	253907	95617.338	66823.897	28793.44	11.340	30.113	3075.31	1158.11	809.369	348.745
2010	251878	94607.988	64453.486	30154.50	11.972	31.873	3013.72	1131.98	771.186	360.799
2011	251779	93633.119	61814.122	31819.00	12.638	33.983	2982.76	1109.25	732.297	376.952
2012	252643	92775.175	59326.852	33448.32	13.239	36.053	2960.61	1087.19	695.224	391.965
2013	256175	92345.780	57228.854	35116.93	13.708	38.028	2967.76	1069.82	662.990	406.826
2014	257393	91379.215	54869.548	36509.67	14.184	39.954	2947.05	1046.26	628.235	418.021
2015	259782	90750.242	52980.681	37769.56	14.539	41.619	3346.10	1168.90	682.414	486.488
2016	261453	88811.996	49750.532	39061.46	14.940	43.982	3336.15	1133.24	634.819	498.426
2017	263685	87325.126	47123.279	40201.85	15.246	46.037	3333.85	1104.08	595.794	508.285
2018	258714	87612.144	46387.469	41224.67	15.934	47.054	3240.73	1097.46	581.063	516.393
2019	261438	87797.760	45071.695	42726.06	16.343	48.664	3242.99	1089.08	559.089	529.993
2020	262288	87221.042	43618.579	43602.46	16.624	49.991	3715.29	1235.48	617.854	617.625
2021	255079	82001.292	38863.624	43137.67	16.911	52.606	3587.82	1153.39	546.636	606.753
2022	257097	81915.977	37399.783	44516.19	17.315	54.344	3588.53	1143.37	522.022	621.353
2023	259080	81810.810	35973.934	45836.88	17.692	56.028	3586.88	1132.64	498.048	634.597
2024	260719	81528.303	34566.264	46962.04	18.013	57.602	3579.65	1119.38	474.593	644.786
2025	257308	79599.213	32891.988	46707.23	18.152	58.678	4112.08	1272.09	525.652	746.435
2026	251528	75082.462	29260.703	45821.76	18.217	61.029	4003.24	1194.99	465.704	729.285
2027	250988	74444.425	27786.479	46657.95	18.590	62.675	3976.53	1179.46	440.235	739.225
2028	250285	73699.585	26243.265	47456.32	18.961	64.392	3945.35	1161.76	413.684	748.075
2029	249525	72819.703	24766.996	48052.71	19.258	65.989	3910.99	1141.36	388.191	753.165
2030	240528	69309.277	23065.777	46243.50	19.226	66.721	4504.36	1297.95	431.951	865.998
2031	235442	65433.368	20474.999	44958.37	19.095	68.709	4397.65	1222.18	382.437	839.744
2032	234017	64643.552	19261.711	45381.84	19.393	70.203	4356.12	1203.31	358.547	844.761
2033	232559	63793.514	18122.423	45671.09	19.639	71.592	4310.93	1182.54	335.934	846.602
2034	230963	63032.151	17050.461	45981.69	19.909	72.950	4260.75	1162.80	314.542	848.258
2035	215822	57653.301	15507.569	42145.73	19.528	73.102	4924.38	1315.47	353.835	961.636
2036	208183	52988.733	13051.778	39936.96	19.184	75.369	4748.94	1208.75	297.729	911.017
2037	205491	52026.921	12130.675	39896.25	19.415	76.684	4682.40	1185.50	276.414	909.089
2038	202834	50943.211	11226.219	39716.99	19.581	77.963	4612.18	1158.38	255.270	903.113
2039	200251	50085.991	10463.357	39622.63	19.787	79.109	4538.65	1135.19	237.150	898.041

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3065988	2244988.113	1724887.531	520100.6	16.964	23.167	887.537	649.875	499.318	150.558

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77987	62366.766	62237.573	129.193	0.166	0.207	1195.35	955.930	953.949	1.980
1993	78542	62652.888	62398.515	254.372	0.324	0.406	1182.39	943.195	939.365	3.829
1994	77437	61565.227	61163.824	401.403	0.518	0.652	1144.00	909.520	903.590	5.930
1995	76904	60851.961	60267.840	584.121	0.760	0.960	1114.36	881.759	873.295	8.464
1996	76232	60122.922	59308.532	814.389	1.068	1.355	1087.44	857.643	846.026	11.617
1997	75473	59237.155	58175.105	1062.050	1.407	1.793	1059.06	831.234	816.331	14.903
1998	75381	58906.696	57537.333	1369.363	1.817	2.325	1040.37	813.001	794.101	18.899
1999	73159	56930.073	55258.882	1671.191	2.284	2.936	993.781	773.329	750.628	22.701
2000	73784	57137.121	55072.574	2064.547	2.798	3.613	987.608	764.787	737.153	27.634
2001	73294	56481.726	53973.349	2508.377	3.422	4.441	968.273	746.169	713.032	33.138
2002	72442	55588.365	52613.482	2974.884	4.107	5.352	946.293	726.138	687.278	38.860
2003	71942	54945.856	51454.527	3491.330	4.853	6.354	929.989	710.281	665.149	45.132
2004	71301	54203.126	50142.729	4060.397	5.695	7.491	911.778	693.135	641.212	51.923
2005	70964	53744.603	49095.441	4649.162	6.551	8.650	896.937	679.296	620.533	58.762
2006	69658	52535.572	47268.640	5266.932	7.561	10.025	872.383	657.945	591.983	65.962
2007	68565	51492.124	45614.459	5877.665	8.572	11.415	849.888	638.264	565.408	72.856
2008	68226	51030.736	44412.961	6617.775	9.700	12.968	836.215	625.460	544.349	81.111
2009	67509	50276.199	42918.470	7357.728	10.899	14.635	817.667	608.943	519.827	89.117
2010	67196	49840.933	41740.810	8100.122	12.054	16.252	804.000	596.347	499.429	96.918
2011	66506	49072.841	40155.319	8917.522	13.409	18.172	787.880	581.354	475.710	105.644
2012	66155	48539.512	38745.477	9794.035	14.805	20.177	775.240	568.812	454.040	114.772
2013	65333	47675.741	37102.008	10573.73	16.184	22.178	756.876	552.318	429.823	122.496
2014	65033	47194.534	35807.742	11386.79	17.509	24.127	744.602	540.359	409.985	130.374
2015	64145	46305.842	34211.307	12094.54	18.855	26.119	826.215	596.439	440.656	155.783
2016	61618	44208.867	31702.951	12505.92	20.296	28.288	786.248	564.107	404.531	159.576
2017	59897	42702.624	29717.384	12985.24	21.679	30.409	757.297	539.903	375.726	164.176
2018	62468	44321.202	29735.881	14585.32	23.349	32.908	782.490	555.181	372.481	182.700
2019	63045	44493.088	28841.453	15651.64	24.826	35.178	782.035	551.912	357.762	194.150
2020	63466	44529.551	27881.352	16648.20	26.232	37.387	898.991	630.757	394.937	235.820
2021	57113	39852.556	23990.447	15862.11	27.773	39.802	803.323	560.546	337.438	223.108
2022	57440	39853.685	23003.306	16850.38	29.335	42.281	801.745	556.274	321.078	235.196
2023	57738	39847.050	22025.216	17821.83	30.867	44.726	799.366	551.670	304.932	246.738
2024	57942	39726.010	21042.878	18683.13	32.245	47.030	795.539	545.435	288.917	256.518
2025	57521	39207.348	19940.966	19266.38	33.494	49.140	919.257	626.579	318.680	307.899
2026	51428	34803.960	16901.850	17902.11	34.810	51.437	818.510	553.929	269.004	284.924
2027	51172	34484.595	15927.637	18556.96	36.264	53.812	810.740	546.357	252.350	294.007
2028	50870	34100.638	14928.326	19172.31	37.689	56.223	801.884	537.544	235.322	302.222
2029	50540	33669.838	13983.018	19686.82	38.953	58.470	792.146	527.732	219.166	308.566
2030	49109	32557.688	12947.512	19610.18	39.932	60.232	919.662	609.705	242.467	367.238
2031	43585	28646.393	10830.489	17815.90	40.876	62.192	814.096	535.065	202.295	332.770
2032	43163	28227.160	10098.679	18128.48	42.000	64.224	803.454	525.435	187.982	337.453
2033	42725	27786.623	9416.259	18370.36	42.996	66.112	791.996	515.079	174.549	340.530
2034	42256	27348.299	8784.690	18563.61	43.932	67.878	779.523	504.514	162.058	342.456
2035	39748	25570.077	7937.848	17632.23	44.360	68.956	906.933	583.430	181.117	402.313
2036	34030	21717.319	6265.821	15451.50	45.406	71.148	776.269	495.402	142.932	352.470
2037	33454	21256.024	5784.772	15471.25	46.247	72.785	762.289	484.347	131.814	352.533
2038	32883	20747.175	5323.274	15423.90	46.905	74.342	747.720	471.764	121.044	350.720
2039	32325	20327.688	4942.603	15385.08	47.595	75.685	732.644	460.724	112.023	348.700

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	6360041	1098877.421	517299.400	581578.0	9.144	52.925	1841.09	318.101	149.747	168.354

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	0.000	
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164548	36137.488	35292.966	844.522	0.513	2.337	2522.12	553.899	540.955	12.944
1993	164362	35599.588	34035.960	1563.627	0.951	4.392	2474.35	535.926	512.387	23.539
1994	159866	34336.757	31950.282	2386.475	1.493	6.950	2361.75	507.267	472.011	35.256
1995	158083	33455.759	30119.216	3336.543	2.111	9.973	2290.66	484.782	436.434	48.347
1996	154875	32193.824	27849.069	4344.755	2.805	13.496	2209.26	459.239	397.262	61.977
1997	149970	30665.509	25343.601	5321.908	3.549	17.355	2104.43	430.308	355.629	74.679
1998	145407	29188.430	22951.655	6236.776	4.289	21.367	2006.83	402.844	316.767	86.077
1999	165952	33375.386	24697.533	8677.853	5.229	26.001	2254.27	453.366	335.487	117.879
2000	160260	32024.754	22307.428	9717.326	6.063	30.343	2145.10	428.655	298.588	130.068
2001	154444	30682.393	19886.341	10796.05	6.990	35.186	2040.33	405.339	262.715	142.625
2002	151887	30218.370	18157.363	12061.01	7.941	39.913	1984.06	394.736	237.185	157.550
2003	146733	29175.202	16182.314	12992.89	8.855	44.534	1896.81	377.146	209.188	167.958
2004	138381	27488.687	14013.310	13475.38	9.738	49.022	1769.58	351.518	179.198	172.319
2005	135881	27017.439	12672.852	14344.59	10.557	53.094	1717.44	341.482	160.176	181.306
2006	131922	26231.435	11148.695	15082.74	11.433	57.499	1652.16	328.517	139.624	188.893
2007	126502	25103.049	9710.403	15392.65	12.168	61.318	1568.04	311.161	120.364	190.797
2008	125859	24621.740	8747.646	15874.09	12.613	64.472	1542.60	301.777	107.216	194.561
2009	122428	23741.177	7714.587	16026.59	13.091	67.505	1482.84	287.552	93.439	194.113
2010	120537	23189.160	6910.770	16278.39	13.505	70.198	1442.22	277.458	82.687	194.771
2011	120221	22786.927	6163.162	16623.77	13.828	72.953	1424.23	269.951	73.013	196.938
2012	120927	22485.295	5556.477	16928.82	13.999	75.288	1417.09	263.495	65.114	198.381
2013	122648	22251.884	5047.127	17204.76	14.028	77.318	1420.86	257.786	58.470	199.315
2014	123229	21894.593	4564.995	17329.60	14.063	79.150	1410.92	250.685	52.267	198.417
2015	123774	21471.109	4143.718	17327.39	13.999	80.701	1594.26	276.557	53.373	223.184
2016	126218	21411.568	3772.265	17639.30	13.975	82.382	1610.55	273.213	48.134	225.078
2017	128265	21169.399	3438.738	17730.66	13.823	83.756	1621.69	267.651	43.477	224.174
2018	121429	19830.576	2947.143	16883.43	13.904	85.138	1521.05	248.404	36.917	211.487
2019	121832	19431.014	2693.333	16737.68	13.738	86.139	1511.26	241.031	33.409	207.622
2020	120811	18532.612	2407.059	16125.55	13.348	87.012	1711.27	262.513	34.096	228.417
2021	119407	18234.128	2181.079	16053.05	13.444	88.038	1679.51	256.472	30.678	225.794
2022	119438	17812.559	1987.726	15824.83	13.249	88.841	1667.10	248.626	27.744	220.881
2023	119445	17361.668	1812.772	15548.90	13.018	89.559	1653.68	240.367	25.097	215.270
2024	119305	16929.676	1675.144	15254.53	12.786	90.105	1638.05	232.443	23.000	209.444
2025	115685	15501.666	1463.872	14037.79	12.134	90.557	1848.78	247.735	23.394	224.340
2026	115073	15523.814	1391.370	14132.44	12.281	91.037	1831.46	247.072	22.145	224.927
2027	113989	15073.070	1297.724	13775.35	12.085	91.390	1805.98	238.810	20.561	218.250
2028	112855	14636.710	1203.835	13432.87	11.903	91.775	1778.98	230.725	18.977	211.748
2029	111718	14180.166	1124.542	13055.62	11.686	92.070	1751.04	222.256	17.626	204.630
2030	104851	12111.772	931.758	11180.01	10.663	92.307	1963.54	226.816	17.449	209.367
2031	105289	12417.367	939.171	11478.20	10.902	92.437	1966.62	231.935	17.542	214.393
2032	103879	12054.064	888.764	11165.30	10.748	92.627	1933.67	224.381	16.544	207.837
2033	102485	11672.389	836.282	10836.11	10.573	92.835	1899.76	216.370	15.502	200.868
2034	101070	11365.762	798.854	10566.91	10.455	92.971	1864.51	209.673	14.737	194.935
2035	90820	8580.360	582.860	7997.500	8.806	93.207	2072.23	195.777	13.299	182.478
2036	92117	8948.841	602.091	8346.750	9.061	93.272	2101.31	204.135	13.735	190.401
2037	90327	8624.570	578.970	8045.599	8.907	93.287	2058.21	196.522	13.193	183.330
2038	88590	8315.017	548.641	7766.376	8.767	93.402	2014.42	189.073	12.475	176.597
2039	86921	8001.132	520.203	7480.929	8.607	93.498	1970.05	181.344	11.790	169.554

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	1489699	149918.462	69758.716	80159.75	5.381	53.469	431.236	43.398	20.194	23.205

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	0.000	
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.505	105.067	0.327	2.359	492.014	68.262	66.652	1.610
1993	32896	4462.473	4263.951	198.522	0.603	4.449	495.226	67.179	64.191	2.989
1994	33323	4499.513	4186.136	313.377	0.940	6.965	492.290	66.473	61.843	4.630
1995	33569	4472.774	4028.426	444.349	1.324	9.935	486.422	64.812	58.373	6.439
1996	33870	4406.878	3817.707	589.171	1.740	13.369	483.150	62.863	54.459	8.404
1997	33516	4288.158	3552.050	736.108	2.196	17.166	470.307	60.173	49.843	10.329
1998	32795	4120.148	3249.820	870.328	2.654	21.124	452.620	56.864	44.852	12.012
1999	33375	3982.443	2978.426	1004.017	3.008	25.211	453.361	54.097	40.458	13.638
2000	33459	4021.411	2841.202	1180.209	3.527	29.348	447.853	53.827	38.030	15.797
2001	32275	3848.092	2549.386	1298.706	4.024	33.749	426.379	50.836	33.679	17.157
2002	31586	3783.081	2345.872	1437.209	4.550	37.990	412.601	49.418	30.644	18.774
2003	30985	3754.415	2163.939	1590.476	5.133	42.363	400.541	48.533	27.973	20.560
2004	29884	3666.274	1960.014	1706.261	5.710	46.539	382.149	46.883	25.064	21.819
2005	28708	3589.688	1773.228	1816.460	6.327	50.602	362.850	45.371	22.412	22.959
2006	28188	3596.985	1629.453	1967.531	6.980	54.699	353.021	45.048	20.407	24.641
2007	28026	3560.798	1481.509	2079.288	7.419	58.394	347.392	44.137	18.364	25.774
2008	27128	3417.001	1305.832	2111.169	7.782	61.784	332.495	41.881	16.005	25.876
2009	27068	3394.390	1190.853	2203.537	8.141	64.917	327.847	41.113	14.424	26.689
2010	26911	3340.137	1080.099	2260.039	8.398	67.663	321.990	39.965	12.923	27.041
2011	26959	3285.435	975.864	2309.571	8.567	70.297	319.377	38.922	11.561	27.361
2012	27057	3259.209	883.119	2376.090	8.782	72.904	317.068	38.193	10.349	27.844
2013	27904	3274.703	813.373	2461.330	8.821	75.162	323.265	37.937	9.423	28.514
2014	28792	3298.083	749.358	2548.725	8.852	77.279	329.657	37.762	8.580	29.182
2015	29560	3244.406	681.561	2562.845	8.670	78.993	380.745	41.789	8.779	33.011
2016	30513	3314.836	638.927	2675.909	8.770	80.725	389.347	42.297	8.153	34.145
2017	31416	3333.314	590.806	2742.508	8.730	82.276	397.202	42.144	7.470	34.674
2018	29348	2925.242	481.601	2443.641	8.326	83.536	367.626	36.642	6.033	30.610
2019	29598	2864.628	438.498	2426.130	8.197	84.693	367.149	35.534	5.439	30.095
2020	29592	2730.366	389.705	2340.662	7.910	85.727	419.174	38.675	5.520	33.155
2021	30097	2647.911	352.083	2295.828	7.628	86.703	423.328	37.244	4.952	32.292
2022	30304	2586.165	319.457	2266.708	7.480	87.647	422.974	36.097	4.459	31.638
2023	30505	2517.960	290.545	2227.416	7.302	88.461	422.337	34.860	4.022	30.838
2024	30661	2454.161	267.169	2186.991	7.133	89.114	420.968	33.695	3.668	30.027
2025	30254	2275.364	233.973	2041.391	6.748	89.717	483.488	36.363	3.739	32.624
2026	30685	2183.166	212.878	1970.288	6.421	90.249	488.380	34.747	3.388	31.358
2027	30561	2112.345	196.572	1915.773	6.269	90.694	484.196	33.467	3.114	30.353
2028	30412	2046.677	181.774	1864.902	6.132	91.119	479.392	32.263	2.865	29.397
2029	30254	1977.671	168.642	1809.030	5.979	91.473	474.195	30.997	2.643	28.354
2030	29330	1744.457	143.123	1601.334	5.460	91.796	549.260	32.668	2.680	29.988
2031	28976	1653.738	131.796	1521.942	5.252	92.030	541.223	30.889	2.462	28.427
2032	28724	1603.120	123.240	1479.881	5.152	92.313	534.690	29.841	2.294	27.547
2033	28464	1548.245	115.689	1432.556	5.033	92.528	527.627	28.700	2.145	26.555
2034	28178	1511.985	110.270	1401.715	4.974	92.707	519.826	27.893	2.034	25.858
2035	26737	1239.866	87.914	1151.951	4.308	92.909	610.065	28.290	2.006	26.284
2036	25591	1182.522	82.267	1100.255	4.299	93.043	583.762	26.975	1.877	25.098
2037	25143	1134.483	78.787	1055.696	4.199	93.055	572.916	25.851	1.795	24.055
2038	24693	1093.537	74.482	1019.055	4.127	93.189	561.491	24.866	1.694	23.172
2039	24247	1047.905	70.161	977.744	4.032	93.305	549.553	23.751	1.590	22.160

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2233143	1015606.587	677159.428	338447.2	15.156	33.325	646.447	293.996	196.023	97.973

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.226	57.963	0.171	0.304	520.248	292.085	291.196	0.888
1993	35913	20095.670	19976.894	118.776	0.331	0.591	540.645	302.526	300.738	1.788
1994	35074	19524.095	19342.062	182.032	0.519	0.932	518.158	288.435	285.746	2.689
1995	34669	19116.002	18854.928	261.074	0.753	1.366	502.362	276.995	273.212	3.783
1996	34582	18975.021	18617.858	357.163	1.033	1.882	493.306	270.675	265.580	5.095
1997	35267	19169.025	18694.020	475.004	1.347	2.478	494.878	268.986	262.320	6.665
1998	35675	19228.937	18616.588	612.349	1.716	3.185	492.368	265.388	256.937	8.451
1999	38516	20589.820	19784.186	805.634	2.092	3.913	523.195	279.689	268.745	10.944
2000	36283	19196.417	18283.742	912.676	2.515	4.754	485.652	256.946	244.730	12.216
2001	36281	19012.731	17906.663	1106.068	3.049	5.818	479.301	251.174	236.562	14.612
2002	35983	18699.357	17404.234	1295.124	3.599	6.926	470.038	244.265	227.348	16.918
2003	36205	18663.550	17150.553	1512.996	4.179	8.107	468.019	241.262	221.704	19.558
2004	34611	17679.164	16001.190	1677.974	4.848	9.491	442.596	226.076	204.619	21.457
2005	36826	18692.832	16663.638	2029.194	5.510	10.855	465.456	236.265	210.617	25.648
2006	34350	17308.564	15153.035	2155.528	6.275	12.454	430.192	216.769	189.774	26.995
2007	35326	17683.181	15187.589	2495.592	7.064	14.113	437.879	219.189	188.256	30.934
2008	38248	19006.374	16026.498	2979.877	7.791	15.678	468.788	232.952	196.429	36.523
2009	36902	18205.573	14999.987	3205.586	8.687	17.608	446.956	220.505	181.679	38.826
2010	37234	18237.758	14721.807	3515.951	9.443	19.278	445.505	218.215	176.146	42.068
2011	38093	18487.916	14519.778	3968.139	10.417	21.463	451.279	219.022	172.012	47.010
2012	38504	18491.158	14141.779	4349.380	11.296	23.521	451.211	216.689	165.721	50.968
2013	40290	19143.452	14266.346	4877.106	12.105	25.477	466.755	221.775	165.274	56.501
2014	40339	18992.005	13747.453	5244.552	13.001	27.615	461.866	217.451	157.403	60.048
2015	42303	19728.885	13944.095	5784.790	13.675	29.321	544.880	254.116	179.606	74.511
2016	43104	19876.724	13636.389	6240.335	14.477	31.395	550.009	253.628	174.001	79.627
2017	44107	20119.790	13376.351	6743.439	15.289	33.516	557.659	254.381	169.121	85.259
2018	45469	20535.123	13222.844	7312.279	16.082	35.609	569.564	257.229	165.633	91.596
2019	46963	21009.029	13098.411	7910.618	16.844	37.653	582.552	260.605	162.478	98.127
2020	48419	21428.512	12940.464	8488.048	17.530	39.611	685.853	303.533	183.301	120.233
2021	48463	21266.697	12340.015	8926.683	18.420	41.975	681.652	299.127	173.568	125.558
2022	49915	21663.568	12089.295	9574.273	19.181	44.195	696.712	302.378	168.741	133.637
2023	51391	22084.131	11845.401	10238.73	19.923	46.362	711.491	305.748	163.996	141.752
2024	52811	22418.456	11581.073	10837.38	20.521	48.341	725.093	307.804	159.007	148.797
2025	53848	22614.834	11253.176	11361.66	21.100	50.240	860.553	361.411	179.839	181.572
2026	54342	22571.522	10754.605	11816.92	21.746	52.353	864.886	359.241	171.167	188.074
2027	55267	22774.416	10364.546	12409.87	22.454	54.490	875.619	360.827	164.211	196.616
2028	56149	22915.561	9929.329	12986.23	23.128	56.670	885.102	361.228	156.520	204.708
2029	57014	22992.027	9490.795	13501.23	23.681	58.721	893.616	360.371	148.756	211.615
2030	57238	22895.360	9043.384	13851.98	24.201	60.501	1071.90	428.760	169.355	259.405
2031	57592	22715.871	8573.542	14142.33	24.556	62.257	1075.71	424.293	160.139	264.154
2032	58251	22759.207	8151.028	14608.18	25.078	64.186	1084.31	423.652	151.727	271.924
2033	58885	22786.258	7754.193	15032.06	25.528	65.970	1091.54	422.387	143.739	278.648
2034	59460	22806.106	7356.647	15449.46	25.983	67.743	1096.89	420.721	135.713	285.007
2035	58516	22262.998	6898.947	15364.05	26.256	69.012	1335.15	507.973	157.413	350.560
2036	56446	21140.051	6101.599	15038.45	26.642	71.137	1287.60	482.234	139.186	343.048
2037	56568	21011.845	5688.145	15323.70	27.089	72.929	1288.98	478.783	129.612	349.171
2038	56668	20787.483	5279.822	15507.66	27.366	74.601	1288.55	472.681	120.056	352.624
2039	56758	20709.267	4930.390	15778.88	27.800	76.192	1286.40	469.372	111.747	357.626

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	13291515	4509390.583	3007078.347	1502312	11.303	33.315	3815.60	1305.37	863.243	442.128

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	317161	125773.065	125773.065	0.000	0.000	0.000	5027.71	1993.78	0.000
1991	313217	123999.442	123575.252	424.190	0.135	0.342	4883.81	1933.45	6.614
1992	308580	122014.015	120878.388	1135.627	0.368	0.931	4729.74	1870.18	17.419
1993	311723	122810.618	120679.306	2131.312	0.684	1.735	4692.65	1848.83	32.130
1994	305723	119925.592	116651.473	3274.119	1.071	2.730	4516.28	1771.69	48.468
1995	303268	117896.496	113287.038	4609.458	1.520	3.910	4393.95	1708.35	66.967
1996	299629	115698.645	109619.714	6078.931	2.029	5.254	4273.40	1650.42	86.989
1997	294330	113359.847	105803.780	7556.067	2.567	6.666	4129.04	1590.70	106.423
1998	289405	111444.212	102409.360	9034.852	3.122	8.107	3992.71	1538.10	125.226
1999	311218	114877.722	102793.189	12084.53	3.883	10.519	4225.40	1560.48	164.863
2000	304071	112379.704	98601.007	13778.70	4.531	12.261	4067.26	1504.22	185.327
2001	296654	110024.943	94434.575	15590.37	5.255	14.170	3915.60	1453.52	207.054
2002	292345	108289.173	90664.780	17624.39	6.029	16.275	3814.65	1414.56	231.522
2003	286405	106539.023	87121.556	19417.47	6.780	18.226	3697.37	1377.22	252.522
2004	274805	103037.251	82311.630	20725.62	7.542	20.115	3508.45	1317.61	266.735
2005	273120	103044.562	80430.385	22614.18	8.280	21.946	3445.47	1302.41	287.766
2006	264961	99672.555	75447.100	24225.45	9.143	24.305	3310.95	1248.28	305.492
2007	259376	97839.152	72268.018	25571.13	9.859	26.136	3206.84	1212.75	319.252
2008	260562	98075.852	70800.212	27275.64	10.468	27.811	3184.31	1202.07	336.828
2009	255134	95617.338	67155.456	28461.88	11.156	29.766	3080.04	1158.11	347.397
2010	253248	94607.988	64813.917	29794.07	11.765	31.492	3019.01	1131.98	359.326
2011	253310	93633.119	62200.782	31432.34	12.409	33.570	2988.74	1109.25	373.558
2012	254350	92775.175	59739.151	33036.02	12.988	35.609	2967.32	1087.19	390.256
2013	258091	92345.780	57669.204	34676.58	13.436	37.551	2975.36	1069.82	404.985
2014	259513	91379.215	55335.340	36043.87	13.889	39.444	2955.53	1046.26	416.056
2015	262135	90750.242	53474.018	37276.22	14.220	41.076	3354.49	1168.90	484.604
2016	264033	88811.996	50256.145	38555.85	14.603	43.413	3345.45	1133.24	496.470
2017	266514	87325.126	47643.871	39681.26	14.889	45.441	3344.21	1104.08	506.245
2018	261706	87612.144	46941.889	40670.25	15.540	46.421	3251.72	1097.46	514.198
2019	264699	87797.760	45653.260	42144.50	15.922	48.002	3255.13	1089.08	527.662
2020	265832	87221.042	44225.985	42995.06	16.174	49.294	3726.44	1235.48	619.962
2021	258761	82001.292	39444.722	42556.57	16.446	51.897	3599.53	1153.39	604.688
2022	261053	81915.977	37996.625	43919.35	16.824	53.615	3601.36	1143.37	619.193
2023	263323	81810.810	36585.398	45225.41	17.175	55.280	3600.89	1132.64	632.347
2024	265257	81528.303	35191.093	46337.21	17.469	56.836	3594.93	1119.38	642.446
2025	262126	79599.213	33526.384	46072.83	17.577	57.881	4125.14	1272.09	744.476
2026	256489	75082.462	29859.903	45222.56	17.631	60.231	4016.83	1194.99	727.358
2027	256210	74444.425	28387.424	46057.00	17.976	61.868	3991.32	1179.46	737.233
2028	255769	73699.585	26842.337	46857.25	18.320	63.579	3961.39	1161.76	746.022
2029	255276	72819.703	25362.306	47457.40	18.591	65.171	3928.34	1141.36	751.066
2030	246480	69309.277	23654.771	45654.51	18.523	65.871	4518.54	1297.95	864.304
2031	241504	65433.368	21021.923	44411.44	18.389	67.873	4412.01	1222.18	838.135
2032	240315	64643.552	19799.977	44843.58	18.660	69.371	4371.68	1203.31	843.199
2033	239092	63793.514	18652.093	45141.42	18.880	70.762	4327.73	1182.54	844.921
2034	237727	63032.151	17571.027	45461.12	19.123	72.124	4278.82	1162.80	846.541
2035	222599	57653.301	16010.101	41643.20	18.708	72.230	4939.48	1315.47	960.205
2036	214886	52988.733	13486.850	39501.88	18.383	74.548	4762.78	1208.75	909.820
2037	212338	52026.921	12549.498	39477.42	18.592	75.879	4697.12	1185.50	907.896
2038	209820	50943.211	11627.482	39315.73	18.738	77.176	4627.82	1158.38	901.926
2039	207372	50085.991	10849.588	39236.40	18.921	78.338	4555.20	1135.19	896.866

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop				
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3095723	2244988.113	1735483.372	509504.7	16.458	22.695	888.690	649.875	498.206	151.670

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop	NULL	Ecig	Drop				
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	78822	63385.736	63385.736	0.000	0.000	0.000	1249.50	1004.81	1004.81	0.000
1991	78462	62918.402	62870.284	48.118	0.061	0.076	1223.41	981.049	980.299	0.750
1992	77988	62366.766	62238.154	128.612	0.165	0.206	1195.35	955.930	953.952	1.978
1993	78545	62652.888	62400.589	252.298	0.321	0.403	1182.40	943.195	939.374	3.821
1994	77443	61565.227	61168.663	396.564	0.512	0.644	1144.02	909.520	903.610	5.910
1995	76915	60851.961	60276.738	575.224	0.748	0.945	1114.40	881.759	873.330	8.428
1996	76251	60122.922	59322.979	799.943	1.049	1.331	1087.51	857.643	846.083	11.560
1997	75501	59237.155	58196.671	1040.483	1.378	1.756	1059.17	831.234	816.417	14.817
1998	75421	58906.696	57567.845	1338.851	1.775	2.273	1040.53	813.001	794.224	18.777
1999	73212	56930.073	55299.033	1631.040	2.228	2.865	993.996	773.329	750.792	22.537
2000	73856	57137.121	55126.540	2010.581	2.722	3.519	987.900	764.787	737.374	27.414
2001	73387	56481.726	54041.719	2440.008	3.325	4.320	968.647	746.169	713.309	32.860
2002	72557	55588.365	52697.615	2890.751	3.984	5.200	946.763	726.138	687.622	38.516
2003	72083	54945.856	51555.790	3390.066	4.703	6.170	930.560	710.281	665.562	44.719
2004	71470	54203.126	50262.099	3941.026	5.514	7.271	912.463	693.135	641.699	51.436
2005	71164	53744.603	49234.161	4510.442	6.338	8.392	897.747	679.296	621.100	58.195
2006	69888	52535.572	47425.088	5110.484	7.312	9.728	873.316	657.945	592.624	65.321
2007	68827	51492.124	45789.279	5702.845	8.286	11.075	850.955	638.264	566.124	72.139
2008	68524	51030.736	44607.870	6422.865	9.373	12.586	837.431	625.460	545.149	80.312
2009	67845	50276.199	43132.712	7143.487	10.529	14.208	819.038	608.943	520.709	88.235
2010	67572	49840.933	41975.659	7865.273	11.640	15.781	805.542	596.347	500.399	95.948
2011	66923	49072.841	40408.074	8664.767	12.947	17.657	789.601	581.354	476.764	104.590
2012	66614	48539.512	39016.257	9523.255	14.296	19.620	777.142	568.812	455.174	113.638
2013	65835	47675.741	37388.919	10286.82	15.625	21.577	758.964	552.318	431.033	121.286
2014	65583	47194.534	36113.346	11081.19	16.896	23.480	746.913	540.359	411.286	129.073
2015	64740	46305.842	34531.206	11774.64	18.188	25.428	728.464	526.439	401.890	154.549
2016	62241	44208.867	32026.562	12182.30	19.573	27.556	708.630	514.107	405.796	158.311
2017	60555	42702.624	30047.029	12655.59	20.899	29.637	693.841	503.903	377.029	162.873
2018	63208	44321.202	30092.834	14228.37	22.510	32.103	675.370	500.181	373.906	181.274
2019	63850	44493.088	29215.127	15277.96	23.928	34.338	663.198	500.181	373.906	181.274
2020	64340	44529.551	28270.694	16258.86	25.270	36.513	651.918	500.181	373.906	181.274
2021	57957	39852.556	24350.592	15501.96	26.747	38.898	640.215	500.181	373.906	181.274
2022	58345	39853.685	23371.843	16481.84	28.249	41.356	628.892	500.181	373.906	181.274
2023	58705	39847.050	22401.006	17446.04	29.718	43.783	617.782	500.181	373.906	181.274
2024	58973	39726.010	21424.656	18301.35	31.033	46.069	607.239	500.181	373.906	181.274
2025	58614	39207.348	20326.358	18880.99	32.212	48.157	597.421	500.181	373.906	181.274
2026	52462	34803.960	17249.090	17554.87	33.462	50.439	588.603	500.181	373.906	181.274
2027	52257	34484.595	16273.197	18211.40	34.850	52.810	580.079	500.181	373.906	181.274
2028	52006	34100.638	15270.077	18830.56	36.208	55.221	571.805	500.181	373.906	181.274
2029	51727	33669.838	14319.974	19349.86	37.408	57.469	563.006	500.181	373.906	181.274
2030	50338	32557.688	13278.322	19279.37	38.300	59.216	554.809	500.181	373.906	181.274
2031	44723	28646.393	11120.173	17526.22	39.189	61.181	547.033	500.181	373.906	181.274
2032	44340	28227.160	10381.155	17846.00	40.248	63.223	539.609	500.181	373.906	181.274
2033	43942	27786.623	9691.604	18095.02	41.180	65.121	532.375	500.181	373.906	181.274
2034	43510	27348.299	9052.883	18295.42	42.049	66.898	525.127	500.181	373.906	181.274
2035	41006	25570.077	8194.606	17375.47	42.373	67.952	517.935	500.181	373.906	181.274
2036	35129	21717.319	6173.501	15243.82	43.394	70.192	510.600	500.181	373.906	181.274
2037	34571	21256.024	5983.228	15272.80	44.177	71.852	503.754	500.181	373.906	181.274
2038	34019	20747.175	5512.224	15234.95	44.784	73.431	496.321	500.181	373.906	181.274
2039	33478	20327.688	5123.612	15204.08	45.416	74.795	488.377	500.181	373.906	181.274

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	6423056	1098877.421	518496.454	580381.0	9.036	52.816	1843.87	318.101	148.845	169.256

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	171484	38511.725	38511.725	0.000	0.000	0.000	2718.40	610.497	610.497	0.000
1991	168044	37309.838	36996.011	313.827	0.187	0.841	2620.21	581.750	576.857	4.893
1992	164549	36137.488	35293.297	844.191	0.513	2.336	2522.12	553.899	540.956	12.943
1993	164367	35599.588	34037.112	1562.475	0.951	4.389	2474.37	535.926	512.392	23.534
1994	159878	34336.757	31952.850	2383.908	1.491	6.943	2361.79	507.267	472.021	35.245
1995	158105	33455.759	30123.758	3332.000	2.107	9.959	2290.74	484.782	436.454	48.328
1996	154911	32193.824	27856.013	4337.811	2.800	13.474	2209.39	459.239	397.291	61.948
1997	150023	30665.509	25353.242	5312.267	3.541	17.323	2104.61	430.308	355.670	74.638
1998	145480	29188.430	22964.139	6224.292	4.278	21.325	2007.09	402.844	316.820	86.024
1999	166067	33375.386	24715.876	8659.509	5.214	25.946	2254.68	453.366	335.566	117.800
2000	160410	32024.754	22329.843	9694.911	6.044	30.273	2145.65	428.655	298.684	129.971
2001	154631	30682.393	19912.165	10770.23	6.965	35.102	2041.01	405.339	262.825	142.514
2002	152119	30218.370	18187.012	12031.36	7.909	39.815	1984.91	394.736	237.312	157.423
2003	147009	29175.202	16214.795	12960.41	8.816	44.423	1897.82	377.146	209.326	167.820
2004	138696	27488.687	14047.217	13441.47	9.691	48.898	1770.73	351.518	179.342	172.176
2005	136248	27017.439	12709.090	14308.35	10.502	52.960	1718.80	341.482	160.328	181.154
2006	132339	26231.435	11185.800	15045.64	11.369	57.357	1653.71	328.517	139.778	188.739
2007	126966	25103.049	9747.640	15355.41	12.094	61.169	1569.76	311.161	120.517	190.645
2008	126388	24621.740	8785.951	15835.79	12.530	64.316	1544.57	301.777	107.372	194.405
2009	123013	23741.177	7752.851	15988.33	12.997	67.344	1485.04	287.552	93.594	193.958
2010	121184	23189.160	6949.131	16240.03	13.401	70.033	1444.65	277.458	82.842	194.616
2011	120941	22786.927	6201.163	16585.76	13.714	72.786	1426.95	269.951	73.166	196.785
2012	121732	22485.295	5594.369	16890.93	13.875	75.120	1420.16	263.495	65.265	198.229
2013	123551	22251.884	5084.966	17166.92	13.895	77.148	1424.34	257.786	58.621	199.164
2014	124228	21894.593	4602.459	17292.13	13.920	78.979	1414.80	250.685	52.416	198.268
2015	124877	21471.109	4180.919	17290.19	13.846	80.528	1598.03	276.557	53.502	223.054
2016	127443	21411.568	3808.970	17602.60	13.812	82.211	1614.78	273.213	48.262	224.951
2017	129619	21169.399	3474.865	17694.53	13.651	83.585	1626.46	267.651	43.603	224.049
2018	122801	19830.576	2979.950	16850.63	13.722	84.973	1525.81	248.404	37.026	211.378
2019	123315	19431.014	2725.363	16705.65	13.547	85.974	1516.46	241.031	33.515	207.516
2020	122408	18532.612	2438.144	16094.47	13.148	86.844	1715.93	262.513	34.178	228.335
2021	121084	18234.128	2210.523	16023.61	13.233	87.877	1684.36	256.472	30.750	225.722
2022	121225	17812.559	2015.957	15796.60	13.031	88.682	1672.36	248.626	27.811	220.815
2023	121346	17361.668	1839.846	15521.82	12.791	89.403	1659.39	240.367	25.160	215.207
2024	121321	16929.676	1701.402	15228.27	12.552	89.950	1644.22	232.443	23.058	209.385
2025	117804	15501.666	1488.989	14012.68	11.895	90.395	1853.90	247.735	23.433	224.302
2026	117275	15523.814	1415.734	14108.08	12.030	90.880	1836.62	247.072	22.172	224.901
2027	116286	15073.070	1321.356	13751.71	11.826	91.234	1811.55	238.810	20.584	218.226
2028	115247	14636.710	1226.685	13410.02	11.636	91.619	1784.97	230.725	18.999	211.726
2029	114206	14180.166	1146.700	13033.47	11.412	91.913	1757.47	222.256	17.646	204.610
2030	107386	12111.772	952.322	11159.45	10.392	92.137	1968.64	226.816	17.458	209.358
2031	107920	12417.367	960.035	11457.33	10.616	92.269	1971.58	231.935	17.539	214.396
2032	106589	12054.064	909.112	11144.95	10.456	92.458	1939.00	224.381	16.538	207.843
2033	105271	11672.389	856.140	10816.25	10.275	92.665	1905.48	216.370	15.497	200.874
2034	103928	11365.762	818.513	10547.25	10.149	92.798	1870.60	209.673	14.732	194.940
2035	93611	8580.360	599.469	7980.891	8.526	93.013	2077.23	195.777	13.302	182.475
2036	95005	8948.841	619.292	8329.549	8.768	93.080	2105.71	204.135	13.726	190.409
2037	93254	8624.570	596.000	8028.569	8.609	93.090	2062.86	196.522	13.184	183.338
2038	91553	8315.017	565.271	7749.746	8.465	93.202	2019.31	189.073	12.468	176.605
2039	89919	8001.132	536.421	7464.710	8.302	93.296	1975.19	181.344	11.783	169.561

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1506810	149918.462	69935.292	79983.17	5.308	53.351	432.561	43.398	20.076	23.322

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	32862	4613.166	4613.166	0.000	0.000	0.000	520.936	73.129	73.129	0.000
1991	32619	4555.566	4515.509	40.057	0.123	0.879	508.609	71.032	70.408	0.625
1992	32100	4453.572	4348.546	105.027	0.327	2.358	492.015	68.262	66.652	1.610
1993	32897	4462.473	4264.095	198.379	0.603	4.445	495.229	67.179	64.191	2.988
1994	33325	4499.513	4186.469	313.044	0.939	6.957	492.297	66.473	61.844	4.628
1995	33574	4472.774	4029.028	443.746	1.322	9.921	486.436	64.812	58.375	6.436
1996	33877	4406.878	3818.653	588.225	1.736	13.348	483.172	62.863	54.463	8.400
1997	33527	4288.158	3553.391	734.767	2.192	17.135	470.341	60.173	49.849	10.324
1998	32811	4120.148	3251.573	868.575	2.647	21.081	452.668	56.864	44.860	12.005
1999	33397	3982.443	2980.607	1001.836	3.000	25.156	453.430	54.097	40.468	13.629
2000	33489	4021.411	2844.019	1177.392	3.516	29.278	447.949	53.827	38.042	15.785
2001	32312	3848.092	2552.638	1295.454	4.009	33.665	426.499	50.836	33.693	17.144
2002	31632	3783.081	2349.642	1433.439	4.532	37.891	412.754	49.418	30.659	18.758
2003	31041	3754.415	2168.164	1586.251	5.110	42.250	400.725	48.533	27.990	20.543
2004	29950	3666.274	1964.623	1701.651	5.682	46.414	382.370	46.883	25.082	21.801
2005	28783	3589.688	1778.143	1811.545	6.294	50.465	363.108	45.371	22.432	22.940
2006	28275	3596.985	1634.697	1962.287	6.940	54.554	353.323	45.048	20.427	24.621
2007	28126	3560.798	1486.980	2073.817	7.373	58.240	347.745	44.137	18.385	25.753
2008	27239	3417.001	1311.315	2105.687	7.730	61.624	332.890	41.881	16.025	25.855
2009	27195	3394.390	1196.491	2197.898	8.082	64.751	328.299	41.113	14.444	26.668
2010	27053	3340.137	1085.822	2254.316	8.333	67.492	322.502	39.965	12.944	27.020
2011	27118	3285.435	981.631	2303.803	8.495	70.122	319.963	38.922	11.582	27.340
2012	27235	3259.209	888.837	2370.373	8.703	72.728	317.729	38.193	10.369	27.824
2013	28108	3274.703	819.169	2455.534	8.736	74.985	324.034	37.937	9.444	28.493
2014	29023	3298.083	755.157	2542.926	8.762	77.103	330.535	37.762	8.600	29.161
2015	29822	3244.406	687.371	2557.035	8.574	78.814	381.631	41.789	8.796	32.993
2016	30808	3314.836	644.797	2670.040	8.667	80.548	390.351	42.297	8.170	34.127
2017	31746	3333.314	596.655	2736.658	8.621	82.100	398.347	42.144	7.487	34.657
2018	29685	2925.242	486.811	2438.431	8.214	83.358	368.843	36.642	6.049	30.594
2019	29965	2864.628	443.563	2421.065	8.080	84.516	368.494	35.534	5.455	30.079
2020	29991	2730.366	394.601	2335.765	7.788	85.548	420.410	38.675	5.532	33.144
2021	30533	2647.911	356.791	2291.120	7.504	86.526	424.732	37.244	4.963	32.281
2022	30772	2586.165	323.961	2262.204	7.352	87.473	424.513	36.097	4.469	31.628
2023	31007	2517.960	294.862	2223.098	7.170	88.290	424.021	34.860	4.032	30.828
2024	31197	2454.161	271.342	2182.818	6.997	88.944	422.806	33.695	3.677	30.018
2025	30823	2275.364	237.958	2037.407	6.610	89.542	485.069	36.363	3.745	32.618
2026	31298	2183.166	216.673	1966.493	6.283	90.075	490.156	34.747	3.393	31.353
2027	31205	2112.345	200.227	1912.118	6.128	90.521	486.126	33.467	3.119	30.348
2028	31087	2046.677	185.303	1861.374	5.988	90.946	481.484	32.263	2.870	29.393
2029	30962	1977.671	172.036	1805.636	5.832	91.301	476.457	30.997	2.647	28.350
2030	30063	1744.457	146.290	1598.167	5.316	91.614	551.126	32.668	2.682	29.986
2031	29736	1653.738	134.803	1518.934	5.108	91.849	543.239	30.889	2.463	28.426
2032	29512	1603.120	126.138	1476.983	5.005	92.132	536.871	29.841	2.295	27.547
2033	29279	1548.245	118.505	1429.739	4.883	92.346	529.977	28.700	2.145	26.555
2034	29021	1511.985	113.048	1398.937	4.820	92.523	522.348	27.893	2.035	25.858
2035	27588	1239.866	90.379	1149.487	4.167	92.711	612.180	28.290	2.006	26.284
2036	26436	1182.522	84.624	1097.898	4.153	92.844	585.927	26.975	1.876	25.099
2037	26003	1134.483	81.110	1053.373	4.051	92.851	575.205	25.851	1.794	24.056
2038	25567	1093.537	76.740	1016.797	3.977	92.982	563.907	24.866	1.693	23.173
2039	25134	1047.905	72.342	975.563	3.881	93.097	552.094	23.751	1.589	22.162

Results for PHIM for Run 7 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 7, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2265926	1015606.587	683163.230	332443.4	14.671	32.733	650.480	293.996	196.116	97.880

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33993	19262.437	19262.437	0.000	0.000	0.000	538.865	305.353	305.353	0.000
1991	34092	19215.636	19193.448	22.188	0.065	0.115	531.576	299.618	299.272	0.346
1992	33942	19056.189	18998.391	57.798	0.170	0.303	520.249	292.085	291.197	0.888
1993	35914	20095.670	19977.510	118.160	0.329	0.588	540.648	302.526	300.740	1.786
1994	35077	19524.095	19343.491	180.603	0.515	0.925	518.166	288.435	285.751	2.684
1995	34674	19116.002	18857.514	258.488	0.745	1.352	502.376	276.995	273.221	3.775
1996	34590	18975.021	18622.070	352.952	1.020	1.860	493.330	270.675	265.594	5.081
1997	35279	19169.025	18700.476	468.549	1.328	2.444	494.916	268.986	262.341	6.644
1998	35693	19228.937	18625.803	603.135	1.690	3.137	492.425	265.388	256.967	8.421
1999	38542	20589.820	19797.673	792.148	2.055	3.847	523.284	279.689	268.792	10.897
2000	36316	19196.417	18300.605	895.812	2.467	4.667	485.767	256.946	244.789	12.157
2001	36324	19012.731	17928.053	1084.678	2.986	5.705	479.449	251.174	236.637	14.537
2002	36037	18699.357	17430.511	1268.846	3.521	6.786	470.226	244.265	227.441	16.824
2003	36273	18663.550	17182.807	1480.742	4.082	7.934	468.262	241.262	221.822	19.440
2004	34689	17679.164	16037.691	1641.473	4.732	9.285	442.881	226.076	204.754	21.322
2005	36925	18692.832	16708.990	1983.842	5.373	10.613	465.823	236.265	210.788	25.477
2006	34459	17308.564	15201.515	2107.048	6.115	12.173	430.602	216.769	189.958	26.811
2007	35457	17683.181	15244.118	2439.063	6.879	13.793	438.377	219.189	188.474	30.716
2008	38411	19006.374	16095.076	2911.298	7.579	15.317	469.417	232.952	196.696	36.256
2009	37082	18205.573	15073.402	3132.170	8.447	17.204	447.660	220.505	181.970	38.535
2010	37439	18237.758	14803.305	3434.454	9.173	18.832	446.317	218.215	176.473	41.742
2011	38328	18487.916	14609.914	3878.002	10.118	20.976	452.223	219.022	172.379	46.643
2012	38769	18491.158	14239.688	4251.470	10.966	22.992	452.286	216.689	166.124	50.565
2013	40598	19143.452	14376.151	4767.302	11.743	24.903	468.023	221.775	165.733	56.042
2014	40679	18992.005	13864.378	5127.627	12.605	26.999	463.280	217.451	157.898	59.553
2015	42696	19728.885	14074.522	5654.363	13.243	28.660	546.369	254.116	180.109	74.007
2016	43541	19876.724	13775.816	6100.908	14.012	30.694	551.687	253.628	174.548	79.080
2017	44594	20119.790	13525.321	6594.469	14.788	32.776	559.563	254.381	169.715	84.665
2018	46012	20535.123	13382.295	7152.829	15.546	34.832	571.701	257.229	166.276	90.953
2019	47568	21009.029	13269.208	7739.821	16.271	36.840	584.970	260.605	163.178	97.427
2020	49093	21428.512	13122.546	8305.966	16.919	38.761	688.184	303.533	183.952	119.581
2021	49187	21266.697	12526.817	8739.880	17.769	41.097	684.224	299.127	174.256	124.871
2022	50711	21663.568	12284.865	9378.703	18.494	43.293	699.589	302.378	169.476	132.902
2023	52264	22084.131	12049.684	10034.45	19.199	45.437	714.703	305.748	164.777	140.971
2024	53766	22418.456	11793.693	10624.76	19.761	47.393	728.668	307.804	159.836	147.968
2025	54886	22614.834	11473.080	11141.75	20.300	49.267	863.750	361.411	180.554	180.857
2026	55454	22571.522	10978.405	11593.12	20.906	51.362	868.453	359.241	171.931	187.310
2027	56461	22774.416	10592.644	12181.77	21.576	53.489	879.567	360.827	165.015	195.811
2028	57428	22915.561	10160.273	12755.29	22.211	55.662	889.459	361.228	157.364	203.864
2029	58382	22992.027	9723.596	13268.43	22.727	57.709	898.411	360.371	149.633	210.738
2030	58693	22895.360	9277.838	13617.52	23.201	59.477	1075.97	428.760	170.084	258.676
2031	59126	22715.871	8806.913	13908.96	23.524	61.230	1080.16	424.293	160.892	263.401
2032	59874	22759.207	8383.571	14375.64	24.010	63.164	1089.20	423.652	152.509	271.143
2033	60600	22786.258	7985.844	14800.41	24.423	64.953	1096.90	422.387	144.549	277.838
2034	61267	22806.106	7586.583	15219.52	24.841	66.734	1102.75	420.721	136.550	284.171
2035	60393	22262.998	7125.646	15137.35	25.065	67.993	1340.13	507.973	158.119	349.854
2036	58317	21140.051	6309.432	14830.62	25.431	70.154	1292.55	482.234	139.844	342.390
2037	58510	21011.845	5889.159	15122.69	25.846	71.972	1294.30	478.783	130.274	348.509
2038	58681	20787.483	5473.247	15314.24	26.097	73.670	1294.28	472.681	120.719	351.962
2039	58842	20709.267	5117.213	15592.05	26.498	75.290	1292.54	469.372	112.406	356.966

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Control File Details for Run: 8

Variable Parameter	Value
1. Name for Reference Scenario	NULL
2. Name for Test Scenario	Ecig
3. Name for Product 1	CC
4. Name for Product 2	Ecig
5. Name for Product 3	-
6. Name for Product 4	Dual
7. Country	US (United States)
8. Sex	F (Females)
9. Year of start of process	1990
10. Number of months of follow-up	600
11. Follow-up interval length (in months)	12
12. Lower age for risk estimation	10
13. Upper age for risk estimation	79
14. The effective dose for Product 1 (F1) - Ref	1
15. The effective dose for Product 2 (F2) - Ref	-
16. The effective dose for Product 3 (F3) - Ref	-
17. The effective dose for Product 4 (F4) - Ref	-
18. The effective dose for Product 1 (F1) - Test	1
19. The effective dose for Product 2 (F2) - Test	0.05
20. The effective dose for Product 3 (F3) - Test	-
21. The effective dose for Product 4 (F4) - Test	FROMF2
22. Number in population to be simulated	100000
23. Number of MC simulations	1
24. The random number seed for the first simulation	15975263
25. Source for the population file (POP)	UN4
26. Source for the socioeconomic prevalence file (SEP)	-
27. Source for the current smoking prevalence file (CSP)	ISS3
28. Source for the former smoking prevalence file (FSP)	ISS3
29. Source for the quit-time distribution file (QTD)	NHIS2006
30. Source for the death file (MORT)	APR-20
31. Source for the relative risk file (RR)	PNLEST
32. Source for the half-life file (H)	PNLEST
33. Assumption Set for TTP Factor Reference	F1
34. Assumption Set for TTP Factor Test	F1
35. Assumption Set for TTP Reference	ISS3
36. Assumption Set for TTP Test	S4D
37. Assumption Set for TP for socioeconomic group	-
38. Source for Output Choice file (OUTC)	BASIC
39. Output for DTP P1	N
40. Output for DTP P2	N
41. Output for Main P Component	Y
42. Output for DTP E1	N
43. Output for DTP E2	N
44. Output for DTP E3	N
45. Output for Main E Component	Y
46. Output file name	Sensitivity_Analysis_4
47. Run number for P-Component	-
48. Results file for E-Component	-
49. Components required	PE
50. Results folder for P to be used in E-Component	-
51. Fixed age of starting product use	16
52. Output absolute risk file?	N

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 8, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	ISS3
Note:	Period is in Months

Age	Period	Initiation	Cessation	Re-initiation
		Never CC	CC Former	Former CC
10-14	1-12	0.003758	0.008742	0.000000
15-19	1-12	0.003469	0.002515	0.000000
20-24	1-12	0.000276	0.000761	0.000000
25-29	1-12	0.000137	0.001375	0.000000
30-34	1-12	0.000069	0.001149	0.000000
35-39	1-12	0.000000	0.000991	0.000000
40-44	1-12	0.000000	0.000833	0.000000
45-49	1-12	0.000000	0.001723	0.000000
50-54	1-12	0.000000	0.002336	0.000000
55-59	1-12	0.000000	0.002233	0.000000
60-64	1-12	0.000000	0.004634	0.000000
65-69	1-12	0.000000	0.003505	0.000000
70-74	1-12	0.000000	0.004329	0.000000
75-79	1-12	0.000000	0.004329	0.000000
10-14	13-72	0.004794	0.008742	0.000000
15-19	13-72	0.004527	0.004082	0.000000
20-24	13-72	0.000105	0.001261	0.000000
25-29	13-72	0.000053	0.000952	0.000000
30-34	13-72	0.000026	0.000733	0.000000
35-39	13-72	0.000000	0.000753	0.000000
40-44	13-72	0.000000	0.001535	0.000000
45-49	13-72	0.000000	0.002998	0.000000
50-54	13-72	0.000000	0.003159	0.000000
55-59	13-72	0.000000	0.002965	0.000000
60-64	13-72	0.000000	0.003633	0.000000
65-69	13-72	0.000000	0.004522	0.000000
70-74	13-72	0.000000	0.005208	0.000000
75-79	13-72	0.000000	0.005208	0.000000
10-14	73-132	0.003969	0.008742	0.000000
15-19	73-132	0.003056	0.003373	0.000000
20-24	73-132	0.001459	0.003881	0.000000
25-29	73-132	0.000714	0.001953	0.000000
30-34	73-132	0.000111	0.001338	0.000000
35-39	73-132	0.000000	0.001507	0.000000
40-44	73-132	0.000000	0.002080	0.000000
45-49	73-132	0.000000	0.003809	0.000000
50-54	73-132	0.000000	0.004871	0.000000
55-59	73-132	0.000000	0.004560	0.000000
60-64	73-132	0.000000	0.007192	0.000000
65-69	73-132	0.000000	0.007033	0.000000
70-74	73-132	0.000000	0.008206	0.000000
75-79	73-132	0.000000	0.008206	0.000000
10-14	133-192	0.002861	0.008742	0.000000
15-19	133-192	0.002594	0.003996	0.000000
20-24	133-192	0.001247	0.002805	0.000000
25-29	133-192	0.000289	0.001574	0.000000
30-34	133-192	0.000132	0.001293	0.000000
35-39	133-192	0.000000	0.001219	0.000000
40-44	133-192	0.000000	0.001657	0.000000
45-49	133-192	0.000000	0.001995	0.000000
50-54	133-192	0.000000	0.002154	0.000000
55-59	133-192	0.000000	0.002072	0.000000
60-64	133-192	0.000000	0.005049	0.000000
65-69	133-192	0.000000	0.003680	0.000000
70-74	133-192	0.000000	0.006144	0.000000
75-79	133-192	0.000000	0.006144	0.000000
10-14	193-252	0.001859	0.008742	0.000000
15-19	193-252	0.002232	0.005770	0.000000
20-24	193-252	0.001079	0.003262	0.000000
25-29	193-252	0.000531	0.002002	0.000000
30-34	193-252	0.000263	0.003240	0.000000
35-39	193-252	0.000000	0.001771	0.000000
40-44	193-252	0.000000	0.002173	0.000000
45-49	193-252	0.000000	0.002075	0.000000
50-54	193-252	0.000000	0.003431	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.002906	0.000000
60-64	193-252	0.000000	0.007139	0.000000
65-69	193-252	0.000000	0.004963	0.000000
70-74	193-252	0.000000	0.006269	0.000000
75-79	193-252	0.000000	0.006269	0.000000
10-14	253+	0.000931	0.008742	0.000000
15-19	253+	0.001798	0.009440	0.000000
20-24	253+	0.000023	0.002831	0.000000
25-29	253+	0.000073	0.002655	0.000000
30-34	253+	0.000037	0.004614	0.000000
35-39	253+	0.000000	0.002607	0.000000
40-44	253+	0.000000	0.003115	0.000000
45-49	253+	0.000000	0.002132	0.000000
50-54	253+	0.000000	0.003497	0.000000
55-59	253+	0.000000	0.002942	0.000000
60-64	253+	0.000000	0.005376	0.000000
65-69	253+	0.000000	0.001789	0.000000
70-74	253+	0.000000	0.004077	0.000000
75-79	253+	0.000000	0.004077	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

TTP values for Run: 8, Scenario: Ecig

Variable Parameter

Value

- 1. Country
 - 2. Sex
 - 3. Assumption Set
- Note:

US (United States)
 F (Females)
 S4D
 Period is in Months

Age	Period	Initiation			Cessation			Re-initiation		
		Never CC	Never Ecig	Never Dual	CC Former	Ecig Former	Dual Former	Former CC	Former Ecig	Former Dual
10-14	1-12	0.001879	0.002819	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	1-12	0.001735	0.002602	0.000000	0.002515	0.002515	0.000000	0.000000	0.000000	0.000000
20-24	1-12	0.000138	0.000207	0.000000	0.000761	0.000761	0.000000	0.000000	0.000000	0.000000
25-29	1-12	0.000069	0.000103	0.000000	0.001376	0.001376	0.000000	0.000000	0.000000	0.000000
30-34	1-12	0.000034	0.000051	0.000000	0.001149	0.001149	0.000000	0.000000	0.000000	0.000000
35-39	1-12	0.000000	0.000000	0.000000	0.000991	0.000991	0.000000	0.000000	0.000000	0.000000
40-44	1-12	0.000000	0.000000	0.000000	0.000833	0.000833	0.000000	0.000000	0.000000	0.000000
45-49	1-12	0.000000	0.000000	0.000000	0.001723	0.001723	0.000000	0.000000	0.000000	0.000000
50-54	1-12	0.000000	0.000000	0.000000	0.002336	0.002336	0.000000	0.000000	0.000000	0.000000
55-59	1-12	0.000000	0.000000	0.000000	0.002233	0.002233	0.000000	0.000000	0.000000	0.000000
60-64	1-12	0.000000	0.000000	0.000000	0.004635	0.004635	0.000000	0.000000	0.000000	0.000000
65-69	1-12	0.000000	0.000000	0.000000	0.003505	0.003505	0.000000	0.000000	0.000000	0.000000
70-74	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
75-79	1-12	0.000000	0.000000	0.000000	0.004329	0.004329	0.000000	0.000000	0.000000	0.000000
10-14	13-72	0.001918	0.004315	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	13-72	0.001811	0.004074	0.000000	0.004083	0.004083	0.000000	0.000000	0.000000	0.000000
20-24	13-72	0.000042	0.000095	0.000000	0.001261	0.001261	0.000000	0.000000	0.000000	0.000000
25-29	13-72	0.000021	0.000047	0.000000	0.000952	0.000952	0.000000	0.000000	0.000000	0.000000
30-34	13-72	0.000011	0.000024	0.000000	0.000733	0.000733	0.000000	0.000000	0.000000	0.000000
35-39	13-72	0.000000	0.000000	0.000000	0.000754	0.000754	0.000000	0.000000	0.000000	0.000000
40-44	13-72	0.000000	0.000000	0.000000	0.001535	0.001535	0.000000	0.000000	0.000000	0.000000
45-49	13-72	0.000000	0.000000	0.000000	0.002998	0.002998	0.000000	0.000000	0.000000	0.000000
50-54	13-72	0.000000	0.000000	0.000000	0.003160	0.003160	0.000000	0.000000	0.000000	0.000000
55-59	13-72	0.000000	0.000000	0.000000	0.002965	0.002965	0.000000	0.000000	0.000000	0.000000
60-64	13-72	0.000000	0.000000	0.000000	0.003633	0.003633	0.000000	0.000000	0.000000	0.000000
65-69	13-72	0.000000	0.000000	0.000000	0.004522	0.004522	0.000000	0.000000	0.000000	0.000000
70-74	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
75-79	13-72	0.000000	0.000000	0.000000	0.005208	0.005208	0.000000	0.000000	0.000000	0.000000
10-14	73-132	0.000794	0.004763	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	73-132	0.000611	0.003668	0.000000	0.003373	0.003373	0.000000	0.000000	0.000000	0.000000
20-24	73-132	0.000292	0.001750	0.000000	0.003881	0.003881	0.000000	0.000000	0.000000	0.000000
25-29	73-132	0.000143	0.000857	0.000000	0.001954	0.001954	0.000000	0.000000	0.000000	0.000000
30-34	73-132	0.000022	0.000134	0.000000	0.001338	0.001338	0.000000	0.000000	0.000000	0.000000
35-39	73-132	0.000000	0.000000	0.000000	0.001507	0.001507	0.000000	0.000000	0.000000	0.000000
40-44	73-132	0.000000	0.000000	0.000000	0.002080	0.002080	0.000000	0.000000	0.000000	0.000000
45-49	73-132	0.000000	0.000000	0.000000	0.003809	0.003809	0.000000	0.000000	0.000000	0.000000
50-54	73-132	0.000000	0.000000	0.000000	0.004871	0.004871	0.000000	0.000000	0.000000	0.000000
55-59	73-132	0.000000	0.000000	0.000000	0.004560	0.004560	0.000000	0.000000	0.000000	0.000000
60-64	73-132	0.000000	0.000000	0.000000	0.007192	0.007192	0.000000	0.000000	0.000000	0.000000
65-69	73-132	0.000000	0.000000	0.000000	0.007033	0.007033	0.000000	0.000000	0.000000	0.000000
70-74	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
75-79	73-132	0.000000	0.000000	0.000000	0.008206	0.008206	0.000000	0.000000	0.000000	0.000000
10-14	133-192	0.000143	0.004077	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	133-192	0.000130	0.003697	0.000000	0.003996	0.003996	0.000000	0.000000	0.000000	0.000000
20-24	133-192	0.000062	0.001778	0.000000	0.002805	0.002805	0.000000	0.000000	0.000000	0.000000
25-29	133-192	0.000015	0.000412	0.000000	0.001574	0.001574	0.000000	0.000000	0.000000	0.000000
30-34	133-192	0.000007	0.000188	0.000000	0.001293	0.001293	0.000000	0.000000	0.000000	0.000000
35-39	133-192	0.000000	0.000000	0.000000	0.001219	0.001219	0.000000	0.000000	0.000000	0.000000
40-44	133-192	0.000000	0.000000	0.000000	0.001657	0.001657	0.000000	0.000000	0.000000	0.000000
45-49	133-192	0.000000	0.000000	0.000000	0.001995	0.001995	0.000000	0.000000	0.000000	0.000000
50-54	133-192	0.000000	0.000000	0.000000	0.002154	0.002154	0.000000	0.000000	0.000000	0.000000
55-59	133-192	0.000000	0.000000	0.000000	0.002072	0.002072	0.000000	0.000000	0.000000	0.000000
60-64	133-192	0.000000	0.000000	0.000000	0.005049	0.005049	0.000000	0.000000	0.000000	0.000000
65-69	133-192	0.000000	0.000000	0.000000	0.003681	0.003681	0.000000	0.000000	0.000000	0.000000
70-74	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
75-79	133-192	0.000000	0.000000	0.000000	0.006144	0.006144	0.000000	0.000000	0.000000	0.000000
10-14	193-252	0.000093	0.002649	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	193-252	0.000112	0.003180	0.000000	0.005770	0.005770	0.000000	0.000000	0.000000	0.000000
20-24	193-252	0.000054	0.001538	0.000000	0.003262	0.003262	0.000000	0.000000	0.000000	0.000000
25-29	193-252	0.000027	0.000757	0.000000	0.002002	0.002002	0.000000	0.000000	0.000000	0.000000
30-34	193-252	0.000013	0.000375	0.000000	0.003241	0.003241	0.000000	0.000000	0.000000	0.000000
35-39	193-252	0.000000	0.000000	0.000000	0.001771	0.001771	0.000000	0.000000	0.000000	0.000000
40-44	193-252	0.000000	0.000000	0.000000	0.002173	0.002173	0.000000	0.000000	0.000000	0.000000
45-49	193-252	0.000000	0.000000	0.000000	0.002075	0.002075	0.000000	0.000000	0.000000	0.000000
50-54	193-252	0.000000	0.000000	0.000000	0.003432	0.003432	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

55-59	193-252	0.000000	0.000000	0.000000	0.002906	0.002906	0.000000	0.000000	0.000000	0.000000
60-64	193-252	0.000000	0.000000	0.000000	0.007139	0.007139	0.000000	0.000000	0.000000	0.000000
65-69	193-252	0.000000	0.000000	0.000000	0.004963	0.004963	0.000000	0.000000	0.000000	0.000000
70-74	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
75-79	193-252	0.000000	0.000000	0.000000	0.006269	0.006269	0.000000	0.000000	0.000000	0.000000
10-14	253+	0.000047	0.001326	0.000000	0.008742	0.008742	0.000000	0.000000	0.000000	0.000000
15-19	253+	0.000090	0.002562	0.000000	0.009440	0.009440	0.000000	0.000000	0.000000	0.000000
20-24	253+	0.000001	0.000033	0.000000	0.002831	0.002831	0.000000	0.000000	0.000000	0.000000
25-29	253+	0.000004	0.000105	0.000000	0.002656	0.002656	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.000002	0.000052	0.000000	0.004614	0.004614	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.000000	0.000000	0.000000	0.002608	0.002608	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.000000	0.000000	0.000000	0.003115	0.003115	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.000000	0.000000	0.000000	0.002132	0.002132	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.000000	0.000000	0.000000	0.003497	0.003497	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.000000	0.000000	0.000000	0.002942	0.002942	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.000000	0.000000	0.000000	0.005376	0.005376	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.000000	0.000000	0.000000	0.001789	0.001789	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.000000	0.000000	0.000000	0.004077	0.004077	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

25-29	253+	0.014127	0.000000	0.000000	0.000000	0.000000	0.000000
30-34	253+	0.013889	0.000000	0.000000	0.000000	0.000000	0.000000
35-39	253+	0.012929	0.000000	0.000000	0.000000	0.000000	0.000000
40-44	253+	0.012785	0.000000	0.000000	0.000000	0.000000	0.000000
45-49	253+	0.012295	0.000000	0.000000	0.000000	0.000000	0.000000
50-54	253+	0.011536	0.000000	0.000000	0.000000	0.000000	0.000000
55-59	253+	0.008988	0.000000	0.000000	0.000000	0.000000	0.000000
60-64	253+	0.008098	0.000000	0.000000	0.000000	0.000000	0.000000
65-69	253+	0.006274	0.000000	0.000000	0.000000	0.000000	0.000000
70-74	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000
75-79	253+	0.004141	0.000000	0.000000	0.000000	0.000000	0.000000

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 8, Simulation: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990

Year of Follow-up: 2040, Age Group: All Ages
 Period Age Group Smoking Group N %

50	All Ages	Never Any	20670	58.80
50	All Ages	CC	2462	7.00
50	All Ages	Former	12019	34.19

Year of Follow-up: 2040, Age Group: 18-19
 Period Age Group Smoking Group N %

50	18-19	Never Any	0	.
50	18-19	CC	0	.
50	18-19	Former	0	.

Year of Follow-up: 2040, Age Group: 20-24
 Period Age Group Smoking Group N %

50	20-24	Never Any	0	.
50	20-24	CC	0	.
50	20-24	Former	0	.

Year of Follow-up: 2040, Age Group: 25-29
 Period Age Group Smoking Group N %

50	25-29	Never Any	0	.
50	25-29	CC	0	.
50	25-29	Former	0	.

Year of Follow-up: 2040, Age Group: 30-34
 Period Age Group Smoking Group N %

50	30-34	Never Any	0	.
50	30-34	CC	0	.
50	30-34	Former	0	.

Year of Follow-up: 2040, Age Group: 35-39
 Period Age Group Smoking Group N %

50	35-39	Never Any	0	.
50	35-39	CC	0	.
50	35-39	Former	0	.

Year of Follow-up: 2040, Age Group: 40-44
 Period Age Group Smoking Group N %

50	40-44	Never Any	0	.
50	40-44	CC	0	.
50	40-44	Former	0	.

Year of Follow-up: 2040, Age Group: 45-49
 Period Age Group Smoking Group N %

50	45-49	Never Any	0	.
50	45-49	CC	0	.
50	45-49	Former	0	.

Year of Follow-up: 2040, Age Group: 50-54
 Period Age Group Smoking Group N %

50	50-54	Never Any	0	.
50	50-54	CC	0	.
50	50-54	Former	0	.

Year of Follow-up: 2040, Age Group: 55-59
 Period Age Group Smoking Group N %

50	55-59	Never Any	0	.
50	55-59	CC	0	.
50	55-59	Former	0	.

Year of Follow-up: 2040, Age Group: 60-64
 Period Age Group Smoking Group N %

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

50	60-64	Never Any	4803	60.57
50	60-64	CC	621	7.83
50	60-64	Former	2506	31.60
Year of Follow-up: 2040, Age Group: 65-69				
Period	Age Group	Smoking Group	N	%
50	65-69	Never Any	5407	64.75
50	65-69	CC	538	6.44
50	65-69	Former	2405	28.80
Year of Follow-up: 2040, Age Group: 70-74				
Period	Age Group	Smoking Group	N	%
50	70-74	Never Any	5181	58.92
50	70-74	CC	605	6.88
50	70-74	Former	3007	34.20
Year of Follow-up: 2040, Age Group: 75-79				
Period	Age Group	Smoking Group	N	%
50	75-79	Never Any	5279	52.38
50	75-79	CC	698	6.93
50	75-79	Former	4101	40.69

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Main Output for the Tobacco History for Run: 8, Simulation: 1, Scenario: Ecig

Variable Parameter			Value						
1. Country			US (United States)						
2. Sex			F (Females)						
3. Year of start of process			1990						
Year of Follow-up: 1990, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	47776	54.92					
0	All Ages	CC	22737	26.14	0	0.00			
0	All Ages	Ecig	0	0.00					
0	All Ages	Dual	0	0.00					
0	All Ages	Former	16484	18.95			11.90	2815	17.08
Year of Follow-up: 1990, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	2570	78.43					
0	18-19	CC	535	16.33	0	0.00			
0	18-19	Ecig	0	0.00					
0	18-19	Dual	0	0.00					
0	18-19	Former	172	5.25			0.20	172	100.00
Year of Follow-up: 1990, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	5354	60.89					
0	20-24	CC	2560	29.11	0	0.00			
0	20-24	Ecig	0	0.00					
0	20-24	Dual	0	0.00					
0	20-24	Former	879	10.00			1.58	420	47.78
Year of Follow-up: 1990, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	5318	52.77					
0	25-29	CC	3335	33.09	0	0.00			
0	25-29	Ecig	0	0.00					
0	25-29	Dual	0	0.00					
0	25-29	Former	1425	14.14			3.91	404	28.35
Year of Follow-up: 1990, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	5287	50.36					
0	30-34	CC	3326	31.68	0	0.00			
0	30-34	Ecig	0	0.00					
0	30-34	Dual	0	0.00					
0	30-34	Former	1886	17.96			4.36	566	30.01
Year of Follow-up: 1990, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	5018	52.27					
0	35-39	CC	2653	27.64	0	0.00			
0	35-39	Ecig	0	0.00					
0	35-39	Dual	0	0.00					
0	35-39	Former	1929	20.09			7.96	324	16.80
Year of Follow-up: 1990, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	4356	51.27					
0	40-44	CC	2397	28.21	0	0.00			
0	40-44	Ecig	0	0.00					
0	40-44	Dual	0	0.00					
0	40-44	Former	1744	20.52			7.33	339	19.44
Year of Follow-up: 1990, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	3116	47.67					
0	45-49	CC	1875	28.69	0	0.00			
0	45-49	Ecig	0	0.00					
0	45-49	Dual	0	0.00					
0	45-49	Former	1545	23.64			12.55	194	12.56
Year of Follow-up: 1990, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	2684	48.50					
0	50-54	CC	1572	28.41	0	0.00			

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

0	50-54	Ecig	0	0.00					
0	50-54	Dual	0	0.00					
0	50-54	Former	1278	23.09			13.28	126	9.86
Year of Follow-up: 1990, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	2732	51.90					
0	55-59	CC	1295	24.60	0	0.00			
0	55-59	Ecig	0	0.00					
0	55-59	Dual	0	0.00					
0	55-59	Former	1237	23.50			17.26	90	7.28
Year of Follow-up: 1990, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	3078	55.72					
0	60-64	CC	1249	22.61	0	0.00			
0	60-64	Ecig	0	0.00					
0	60-64	Dual	0	0.00					
0	60-64	Former	1197	21.67			18.28	61	5.10
Year of Follow-up: 1990, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	3042	57.36					
0	65-69	CC	976	18.40	0	0.00			
0	65-69	Ecig	0	0.00					
0	65-69	Dual	0	0.00					
0	65-69	Former	1285	24.23			20.65	68	5.29
Year of Follow-up: 1990, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	2738	61.05					
0	70-74	CC	610	13.60	0	0.00			
0	70-74	Ecig	0	0.00					
0	70-74	Dual	0	0.00					
0	70-74	Former	1137	25.35			24.48	27	2.37
Year of Follow-up: 1990, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	2483	68.84					
0	75-79	CC	354	9.81	0	0.00			
0	75-79	Ecig	0	0.00					
0	75-79	Dual	0	0.00					
0	75-79	Former	770	21.35			24.48	24	3.12
Year of Follow-up: 1995, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	50436	55.04					
5	All Ages	CC	10645	11.62	0	0.00			
5	All Ages	Ecig	12118	13.22					
5	All Ages	Dual	0	0.00					
5	All Ages	Former	18440	20.12			14.16	1156	6.27
Year of Follow-up: 1995, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	2249	70.81					
5	18-19	CC	225	7.08	0	0.00			
5	18-19	Ecig	601	18.92					
5	18-19	Dual	0	0.00					
5	18-19	Former	101	3.18			1.16	64	63.37
Year of Follow-up: 1995, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	5544	66.40					
5	20-24	CC	856	10.25	0	0.00			
5	20-24	Ecig	1481	17.74					
5	20-24	Dual	0	0.00					
5	20-24	Former	469	5.62			3.12	121	25.80
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	5302	60.30					
5	25-29	CC	1062	12.08	0	0.00			
5	25-29	Ecig	1406	15.99					
5	25-29	Dual	0	0.00					
5	25-29	Former	1023	11.63			5.94	54	5.28
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

5	30-34	Never Any	5301	52.60					
5	30-34	CC	1373	13.62	0	0.00			
5	30-34	Ecig	1805	17.91					
5	30-34	Dual	0	0.00					
5	30-34	Former	1599	15.87			8.16	67	4.19
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	5276	50.25					
5	35-39	CC	1410	13.43	0	0.00			
5	35-39	Ecig	1748	16.65					
5	35-39	Dual	0	0.00					
5	35-39	Former	2065	19.67			8.75	62	3.00
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	5018	52.27					
5	40-44	CC	1135	11.82	0	0.00			
5	40-44	Ecig	1356	14.13					
5	40-44	Dual	0	0.00					
5	40-44	Former	2091	21.78			12.09	81	3.87
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	4356	51.27					
5	45-49	CC	974	11.46	0	0.00			
5	45-49	Ecig	1161	13.66					
5	45-49	Dual	0	0.00					
5	45-49	Former	2006	23.61			10.93	133	6.63
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	3116	47.67					
5	50-54	CC	739	11.31	0	0.00			
5	50-54	Ecig	826	12.64					
5	50-54	Dual	0	0.00					
5	50-54	Former	1855	28.38			14.92	140	7.55
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	2684	48.50					
5	55-59	CC	722	13.05	0	0.00			
5	55-59	Ecig	627	11.33					
5	55-59	Dual	0	0.00					
5	55-59	Former	1501	27.12			15.84	93	6.20
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	2732	51.90					
5	60-64	CC	633	12.03	0	0.00			
5	60-64	Ecig	444	8.43					
5	60-64	Dual	0	0.00					
5	60-64	Former	1455	27.64			19.22	87	5.98
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	3078	55.72					
5	65-69	CC	602	10.90	0	0.00			
5	65-69	Ecig	374	6.77					
5	65-69	Dual	0	0.00					
5	65-69	Former	1470	26.61			19.34	107	7.28
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	3042	57.36					
5	70-74	CC	577	10.88	0	0.00			
5	70-74	Ecig	188	3.55					
5	70-74	Dual	0	0.00					
5	70-74	Former	1496	28.21			22.32	77	5.15
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	2738	61.05					
5	75-79	CC	337	7.51	0	0.00			
5	75-79	Ecig	101	2.25					
5	75-79	Dual	0	0.00					
5	75-79	Former	1309	29.19			25.87	70	5.35
Year of Follow-up: 2000, Age Group: All Ages									

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	49386	53.73					
10	All Ages	CC	4569	4.97	0	0.00			
10	All Ages	Ecig	16471	17.92					
10	All Ages	Dual	0	0.00					
10	All Ages	Former	21482	23.37			14.98	1780	8.29
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0	.					
10	18-19	CC	0	.	0	.			
10	18-19	Ecig	0	.					
10	18-19	Dual	0	.					
10	18-19	Former	0	.				0	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	4505	56.81					
10	20-24	CC	353	4.45	0	0.00			
10	20-24	Ecig	2251	28.39					
10	20-24	Dual	0	0.00					
10	20-24	Former	821	10.35			3.57	216	26.31
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	5140	61.56					
10	25-29	CC	391	4.68	0	0.00			
10	25-29	Ecig	1987	23.80					
10	25-29	Dual	0	0.00					
10	25-29	Former	832	9.96			5.42	140	16.83
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	5169	58.79					
10	30-34	CC	417	4.74	0	0.00			
10	30-34	Ecig	1951	22.19					
10	30-34	Dual	0	0.00					
10	30-34	Former	1256	14.28			9.26	93	7.40
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	5270	52.29					
10	35-39	CC	561	5.57	0	0.00			
10	35-39	Ecig	2427	24.08					
10	35-39	Dual	0	0.00					
10	35-39	Former	1820	18.06			11.77	105	5.77
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	5276	50.25					
10	40-44	CC	584	5.56	0	0.00			
10	40-44	Ecig	2294	21.85					
10	40-44	Dual	0	0.00					
10	40-44	Former	2345	22.34			12.30	143	6.10
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	5018	52.27					
10	45-49	CC	446	4.65	0	0.00			
10	45-49	Ecig	1673	17.43					
10	45-49	Dual	0	0.00					
10	45-49	Former	2463	25.66			14.76	181	7.35
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	4356	51.27					
10	50-54	CC	378	4.45	0	0.00			
10	50-54	Ecig	1299	15.29					
10	50-54	Dual	0	0.00					
10	50-54	Former	2464	29.00			13.32	188	7.63
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	3116	47.67					
10	55-59	CC	283	4.33	0	0.00			
10	55-59	Ecig	912	13.95					
10	55-59	Dual	0	0.00					

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Year of Follow-up: 2000, Age Group: 60-64	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Former		2225	34.04			16.92	157	7.06
10	60-64	Never Any		2684	48.50					
10	60-64	CC		334	6.04	0	0.00			
10	60-64	Ecig		663	11.98					
10	60-64	Dual		0	0.00					
10	60-64	Former		1853	33.48			17.23	149	8.04
Year of Follow-up: 2000, Age Group: 65-69	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any		2732	51.90					
10	65-69	CC		280	5.32	0	0.00			
10	65-69	Ecig		443	8.42					
10	65-69	Dual		0	0.00					
10	65-69	Former		1809	34.37			19.85	146	8.07
Year of Follow-up: 2000, Age Group: 70-74	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any		3078	55.72					
10	70-74	CC		274	4.96	0	0.00			
10	70-74	Ecig		368	6.66					
10	70-74	Dual		0	0.00					
10	70-74	Former		1804	32.66			20.18	154	8.54
Year of Follow-up: 2000, Age Group: 75-79	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any		3042	57.36					
10	75-79	CC		268	5.05	0	0.00			
10	75-79	Ecig		203	3.83					
10	75-79	Dual		0	0.00					
10	75-79	Former		1790	33.75			23.17	108	6.03
Year of Follow-up: 2005, Age Group: All Ages	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any		45867	52.96					
15	All Ages	CC		1879	2.17	0	0.00			
15	All Ages	Ecig		16447	18.99					
15	All Ages	Dual		0	0.00					
15	All Ages	Former		22412	25.88			17.17	975	4.35
Year of Follow-up: 2005, Age Group: 18-19	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any		0	.					
15	18-19	CC		0	.	0	.			
15	18-19	Ecig		0	.					
15	18-19	Dual		0	.					
15	18-19	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 20-24	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any		0	.					
15	20-24	CC		0	.	0	.			
15	20-24	Ecig		0	.					
15	20-24	Dual		0	.					
15	20-24	Former		0	.			.	0	.
Year of Follow-up: 2005, Age Group: 25-29	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any		4174	52.64					
15	25-29	CC		161	2.03	0	0.00			
15	25-29	Ecig		2409	30.38					
15	25-29	Dual		0	0.00					
15	25-29	Former		1186	14.96			6.67	118	9.95
Year of Follow-up: 2005, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any		5026	60.19					
15	30-34	CC		143	1.71	0	0.00			
15	30-34	Ecig		2123	25.43					
15	30-34	Dual		0	0.00					
15	30-34	Former		1058	12.67			8.62	89	8.41
Year of Follow-up: 2005, Age Group: 35-39	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any		5137	58.42					
15	35-39	CC		167	1.90	0	0.00			

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15	35-39	Ecig	2049	23.30					
15	35-39	Dual	0	0.00					
15	35-39	Former	1440	16.38			12.71	68	4.72
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	5270	52.29					
15	40-44	CC	238	2.36	0	0.00			
15	40-44	Ecig	2512	24.93					
15	40-44	Dual	0	0.00					
15	40-44	Former	2058	20.42			15.07	102	4.96
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	5276	50.25					
15	45-49	CC	237	2.26	0	0.00			
15	45-49	Ecig	2320	22.10					
15	45-49	Dual	0	0.00					
15	45-49	Former	2666	25.39			15.45	135	5.06
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	5018	52.27					
15	50-54	CC	191	1.99	0	0.00			
15	50-54	Ecig	1622	16.90					
15	50-54	Dual	0	0.00					
15	50-54	Former	2769	28.84			17.84	99	3.58
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	4356	51.27					
15	55-59	CC	166	1.95	0	0.00			
15	55-59	Ecig	1281	15.08					
15	55-59	Dual	0	0.00					
15	55-59	Former	2694	31.71			16.95	78	2.90
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	3116	47.67					
15	60-64	CC	131	2.00	0	0.00			
15	60-64	Ecig	852	13.04					
15	60-64	Dual	0	0.00					
15	60-64	Former	2437	37.29			20.18	93	3.82
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	2684	48.50					
15	65-69	CC	160	2.89	0	0.00			
15	65-69	Ecig	591	10.68					
15	65-69	Dual	0	0.00					
15	65-69	Former	2099	37.93			19.92	68	3.24
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	2732	51.90					
15	70-74	CC	139	2.64	0	0.00			
15	70-74	Ecig	391	7.43					
15	70-74	Dual	0	0.00					
15	70-74	Former	2002	38.03			22.67	69	3.45
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	3078	55.72					
15	75-79	CC	146	2.64	0	0.00			
15	75-79	Ecig	297	5.38					
15	75-79	Dual	0	0.00					
15	75-79	Former	2003	36.26			22.91	56	2.80
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	42596	52.54					
20	All Ages	CC	762	0.94	0	0.00			
20	All Ages	Ecig	14499	17.88					
20	All Ages	Dual	0	0.00					
20	All Ages	Former	23224	28.64			19.22	1181	5.09
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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20	18-19	Never Any	0	.					
20	18-19	CC	0	.	0	.			
20	18-19	Ecig	0	.					
20	18-19	Dual	0	.					
20	18-19	Former	0	.			0	.	
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0	.					
20	20-24	CC	0	.	0	.			
20	20-24	Ecig	0	.					
20	20-24	Dual	0	.					
20	20-24	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0	.					
20	25-29	CC	0	.	0	.			
20	25-29	Ecig	0	.					
20	25-29	Dual	0	.					
20	25-29	Former	0	.				0	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	4039	50.93					
20	30-34	CC	64	0.81	0	0.00			
20	30-34	Ecig	2275	28.69					
20	30-34	Dual	0	0.00					
20	30-34	Former	1552	19.57			9.32	173	11.15
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	4968	59.50					
20	35-39	CC	56	0.67	0	0.00			
20	35-39	Ecig	1984	23.76					
20	35-39	Dual	0	0.00					
20	35-39	Former	1342	16.07			11.12	116	8.64
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	5137	58.42					
20	40-44	CC	64	0.73	0	0.00			
20	40-44	Ecig	1891	21.51					
20	40-44	Dual	0	0.00					
20	40-44	Former	1701	19.34			15.28	114	6.70
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	5270	52.29					
20	45-49	CC	105	1.04	0	0.00			
20	45-49	Ecig	2336	23.18					
20	45-49	Dual	0	0.00					
20	45-49	Former	2367	23.49			17.68	132	5.58
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	5276	50.25					
20	50-54	CC	101	0.96	0	0.00			
20	50-54	Ecig	2103	20.03					
20	50-54	Dual	0	0.00					
20	50-54	Former	3019	28.76			18.27	163	5.40
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	5018	52.27					
20	55-59	CC	91	0.95	0	0.00			
20	55-59	Ecig	1433	14.93					
20	55-59	Dual	0	0.00					
20	55-59	Former	3058	31.85			20.88	103	3.37
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	4356	51.27					
20	60-64	CC	71	0.84	0	0.00			
20	60-64	Ecig	1079	12.70					
20	60-64	Dual	0	0.00					
20	60-64	Former	2991	35.20			19.94	144	4.81
Year of Follow-up: 2010, Age Group: 65-69									

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Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	3116	47.67					
20	65-69	CC	47	0.72	0	0.00			
20	65-69	Ecig	645	9.87					
20	65-69	Dual	0	0.00					
20	65-69	Former	2728	41.74			22.72	95	3.48
Year of Follow-up: 2010, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	2684	48.50					
20	70-74	CC	88	1.59	0	0.00			
20	70-74	Ecig	477	8.62					
20	70-74	Dual	0	0.00					
20	70-74	Former	2285	41.29			23.05	69	3.02
Year of Follow-up: 2010, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	2732	51.90					
20	75-79	CC	75	1.42	0	0.00			
20	75-79	Ecig	276	5.24					
20	75-79	Dual	0	0.00					
20	75-79	Former	2181	41.43			25.56	72	3.30
Year of Follow-up: 2015, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	All Ages	Never Any	39842	52.55					
25	All Ages	CC	338	0.45	0	0.00			
25	All Ages	Ecig	12025	15.86					
25	All Ages	Dual	0	0.00					
25	All Ages	Former	23612	31.14			21.22	972	4.12
Year of Follow-up: 2015, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	18-19	Never Any	0	.					
25	18-19	CC	0	.	0	.			
25	18-19	Ecig	0	.					
25	18-19	Dual	0	.					
25	18-19	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	20-24	Never Any	0	.					
25	20-24	CC	0	.	0	.			
25	20-24	Ecig	0	.					
25	20-24	Dual	0	.					
25	20-24	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	25-29	Never Any	0	.					
25	25-29	CC	0	.	0	.			
25	25-29	Ecig	0	.					
25	25-29	Dual	0	.					
25	25-29	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	30-34	Never Any	0	.					
25	30-34	CC	0	.	0	.			
25	30-34	Ecig	0	.					
25	30-34	Dual	0	.					
25	30-34	Former	0	.				0	.
Year of Follow-up: 2015, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	35-39	Never Any	4017	50.66					
25	35-39	CC	19	0.24	0	0.00			
25	35-39	Ecig	1877	23.67					
25	35-39	Dual	0	0.00					
25	35-39	Former	2017	25.44			11.49	170	8.43
Year of Follow-up: 2015, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	40-44	Never Any	4968	59.50					
25	40-44	CC	32	0.38	0	0.00			
25	40-44	Ecig	1734	20.77					
25	40-44	Dual	0	0.00					

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25	40-44	Former	1616	19.35			13.72	116	7.18
Year of Follow-up: 2015, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	45-49	Never Any	5137	58.42					
25	45-49	CC	32	0.36	0	0.00			
25	45-49	Ecig	1663	18.91					
25	45-49	Dual	0	0.00					
25	45-49	Former	1961	22.30			17.86	99	5.05
Year of Follow-up: 2015, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	50-54	Never Any	5270	52.29					
25	50-54	CC	45	0.45	0	0.00			
25	50-54	Ecig	2068	20.52					
25	50-54	Dual	0	0.00					
25	50-54	Former	2695	26.74			20.15	150	5.57
Year of Follow-up: 2015, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	55-59	Never Any	5276	50.25					
25	55-59	CC	37	0.35	0	0.00			
25	55-59	Ecig	1773	16.89					
25	55-59	Dual	0	0.00					
25	55-59	Former	3413	32.51			20.83	141	4.13
Year of Follow-up: 2015, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	60-64	Never Any	5018	52.27					
25	60-64	CC	42	0.44	0	0.00			
25	60-64	Ecig	1154	12.02					
25	60-64	Dual	0	0.00					
25	60-64	Former	3386	35.27			23.56	144	4.25
Year of Follow-up: 2015, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	65-69	Never Any	4356	51.27					
25	65-69	CC	41	0.48	0	0.00			
25	65-69	Ecig	844	9.93					
25	65-69	Dual	0	0.00					
25	65-69	Former	3256	38.32			23.12	70	2.15
Year of Follow-up: 2015, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	70-74	Never Any	3116	47.67					
25	70-74	CC	31	0.47	0	0.00			
25	70-74	Ecig	527	8.06					
25	70-74	Dual	0	0.00					
25	70-74	Former	2862	43.79			26.54	42	1.47
Year of Follow-up: 2015, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
25	75-79	Never Any	2684	48.50					
25	75-79	CC	59	1.07	0	0.00			
25	75-79	Ecig	385	6.96					
25	75-79	Dual	0	0.00					
25	75-79	Former	2406	43.48			26.76	40	1.66
Year of Follow-up: 2020, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	All Ages	Never Any	37158	52.87					
30	All Ages	CC	115	0.16	0	0.00			
30	All Ages	Ecig	9771	13.90					
30	All Ages	Dual	0	0.00					
30	All Ages	Former	23239	33.06			23.54	783	3.37
Year of Follow-up: 2020, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	18-19	Never Any	0	.					
30	18-19	CC	0	.	0	.			
30	18-19	Ecig	0	.					
30	18-19	Dual	0	.					
30	18-19	Former	0	.			.	0	.
Year of Follow-up: 2020, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	20-24	Never Any	0	.					
30	20-24	CC	0	.	0	.			

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

30	20-24	Ecig	0	.					
30	20-24	Dual	0	.					
30	20-24	Former	0	.			0	.	
Year of Follow-up: 2020, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	25-29	Never Any	0	.					
30	25-29	CC	0	.	0	.			
30	25-29	Ecig	0	.					
30	25-29	Dual	0	.					
30	25-29	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	30-34	Never Any	0	.					
30	30-34	CC	0	.	0	.			
30	30-34	Ecig	0	.					
30	30-34	Dual	0	.					
30	30-34	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	35-39	Never Any	0	.					
30	35-39	CC	0	.	0	.			
30	35-39	Ecig	0	.					
30	35-39	Dual	0	.					
30	35-39	Former	0	.				0	.
Year of Follow-up: 2020, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	40-44	Never Any	4017	50.66					
30	40-44	CC	6	0.08	0	0.00			
30	40-44	Ecig	1608	20.28					
30	40-44	Dual	0	0.00					
30	40-44	Former	2299	28.99			14.73	96	4.18
Year of Follow-up: 2020, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	45-49	Never Any	4968	59.50					
30	45-49	CC	13	0.16	0	0.00			
30	45-49	Ecig	1510	18.08					
30	45-49	Dual	0	0.00					
30	45-49	Former	1859	22.26			16.56	84	4.52
Year of Follow-up: 2020, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	50-54	Never Any	5137	58.42					
30	50-54	CC	9	0.10	0	0.00			
30	50-54	Ecig	1429	16.25					
30	50-54	Dual	0	0.00					
30	50-54	Former	2218	25.22			20.42	121	5.46
Year of Follow-up: 2020, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	55-59	Never Any	5270	52.29					
30	55-59	CC	14	0.14	0	0.00			
30	55-59	Ecig	1717	17.04					
30	55-59	Dual	0	0.00					
30	55-59	Former	3077	30.53			22.29	140	4.55
Year of Follow-up: 2020, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	60-64	Never Any	5276	50.25					
30	60-64	CC	15	0.14	0	0.00			
30	60-64	Ecig	1428	13.60					
30	60-64	Dual	0	0.00					
30	60-64	Former	3780	36.00			23.51	153	4.05
Year of Follow-up: 2020, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	65-69	Never Any	5018	52.27					
30	65-69	CC	18	0.19	0	0.00			
30	65-69	Ecig	917	9.55					
30	65-69	Dual	0	0.00					
30	65-69	Former	3647	37.99			26.68	75	2.06
Year of Follow-up: 2020, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

30	70-74	Never Any	4356	51.27					
30	70-74	CC	22	0.26	0	0.00			
30	70-74	Ecig	727	8.56					
30	70-74	Dual	0	0.00					
30	70-74	Former	3392	39.92			27.06	66	1.95
Year of Follow-up: 2020, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
30	75-79	Never Any	3116	47.67					
30	75-79	CC	18	0.28	0	0.00			
30	75-79	Ecig	435	6.66					
30	75-79	Dual	0	0.00					
30	75-79	Former	2967	45.39			30.49	48	1.62
Year of Follow-up: 2025, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	All Ages	Never Any	34042	53.40					
35	All Ages	CC	47	0.07	0	0.00			
35	All Ages	Ecig	7724	12.12					
35	All Ages	Dual	0	0.00					
35	All Ages	Former	21934	34.41			25.59	641	2.92
Year of Follow-up: 2025, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	18-19	Never Any	0	.					
35	18-19	CC	0	.	0	.			
35	18-19	Ecig	0	.					
35	18-19	Dual	0	.					
35	18-19	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	20-24	Never Any	0	.					
35	20-24	CC	0	.	0	.			
35	20-24	Ecig	0	.					
35	20-24	Dual	0	.					
35	20-24	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	25-29	Never Any	0	.					
35	25-29	CC	0	.	0	.			
35	25-29	Ecig	0	.					
35	25-29	Dual	0	.					
35	25-29	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	30-34	Never Any	0	.					
35	30-34	CC	0	.	0	.			
35	30-34	Ecig	0	.					
35	30-34	Dual	0	.					
35	30-34	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	35-39	Never Any	0	.					
35	35-39	CC	0	.	0	.			
35	35-39	Ecig	0	.					
35	35-39	Dual	0	.					
35	35-39	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	40-44	Never Any	0	.					
35	40-44	CC	0	.	0	.			
35	40-44	Ecig	0	.					
35	40-44	Dual	0	.					
35	40-44	Former	0	.			.	0	.
Year of Follow-up: 2025, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	45-49	Never Any	4017	50.66					
35	45-49	CC	1	0.01	0	0.00			
35	45-49	Ecig	1372	17.30					
35	45-49	Dual	0	0.00					
35	45-49	Former	2540	32.03			18.08	79	3.11
Year of Follow-up: 2025, Age Group: 50-54									

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	50-54	Never Any	4968	59.50					
35	50-54	CC	3	0.04	0	0.00			
35	50-54	Ecig	1270	15.21					
35	50-54	Dual	0	0.00					
35	50-54	Former	2109	25.26			19.22	121	5.74
Year of Follow-up: 2025, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	55-59	Never Any	5137	58.42					
35	55-59	CC	4	0.05	0	0.00			
35	55-59	Ecig	1180	13.42					
35	55-59	Dual	0	0.00					
35	55-59	Former	2472	28.11			23.01	101	4.09
Year of Follow-up: 2025, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	60-64	Never Any	5270	52.29					
35	60-64	CC	7	0.07	0	0.00			
35	60-64	Ecig	1386	13.75					
35	60-64	Dual	0	0.00					
35	60-64	Former	3415	33.89			24.78	139	4.07
Year of Follow-up: 2025, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	65-69	Never Any	5276	50.25					
35	65-69	CC	7	0.07	0	0.00			
35	65-69	Ecig	1139	10.85					
35	65-69	Dual	0	0.00					
35	65-69	Former	4077	38.83			26.61	83	2.04
Year of Follow-up: 2025, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	70-74	Never Any	5018	52.27					
35	70-74	CC	11	0.11	0	0.00			
35	70-74	Ecig	789	8.22					
35	70-74	Dual	0	0.00					
35	70-74	Former	3782	39.40			30.61	65	1.72
Year of Follow-up: 2025, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
35	75-79	Never Any	4356	51.27					
35	75-79	CC	14	0.16	0	0.00			
35	75-79	Ecig	588	6.92					
35	75-79	Dual	0	0.00					
35	75-79	Former	3539	41.65			30.81	53	1.50
Year of Follow-up: 2030, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	All Ages	Never Any	29686	53.73					
40	All Ages	CC	14	0.03	0	0.00			
40	All Ages	Ecig	5753	10.41					
40	All Ages	Dual	0	0.00					
40	All Ages	Former	19797	35.83			27.63	562	2.84
Year of Follow-up: 2030, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	18-19	Never Any	0	.					
40	18-19	CC	0	.	0	.			
40	18-19	Ecig	0	.					
40	18-19	Dual	0	.					
40	18-19	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	20-24	Never Any	0	.					
40	20-24	CC	0	.	0	.			
40	20-24	Ecig	0	.					
40	20-24	Dual	0	.					
40	20-24	Former	0	.			.	0	.
Year of Follow-up: 2030, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
40	25-29	Never Any	0	.					
40	25-29	CC	0	.	0	.			
40	25-29	Ecig	0	.					
40	25-29	Dual	0	.					

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Year of Follow-up: 2030, Age Group: 30-34	Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
Year of Follow-up: 2030, Age Group: 30-34										
40	25-29	Former		0	.				0	.
40	30-34	Never Any		0	.					
40	30-34	CC		0	.	0	.			
40	30-34	Ecig		0	.					
40	30-34	Dual		0	.					
40	30-34	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 35-39										
40	35-39	Never Any		0	.					
40	35-39	CC		0	.	0	.			
40	35-39	Ecig		0	.					
40	35-39	Dual		0	.					
40	35-39	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 40-44										
40	40-44	Never Any		0	.					
40	40-44	CC		0	.	0	.			
40	40-44	Ecig		0	.					
40	40-44	Dual		0	.					
40	40-44	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 45-49										
40	45-49	Never Any		0	.					
40	45-49	CC		0	.	0	.			
40	45-49	Ecig		0	.					
40	45-49	Dual		0	.					
40	45-49	Former		0	.				0	.
Year of Follow-up: 2030, Age Group: 50-54										
40	50-54	Never Any		4017	50.66					
40	50-54	CC		0	0.00	0	0.00			
40	50-54	Ecig		1165	14.69					
40	50-54	Dual		0	0.00					
40	50-54	Former		2748	34.65			21.46	105	3.82
Year of Follow-up: 2030, Age Group: 55-59										
40	55-59	Never Any		4968	59.50					
40	55-59	CC		0	0.00	0	0.00			
40	55-59	Ecig		1022	12.24					
40	55-59	Dual		0	0.00					
40	55-59	Former		2360	28.26			21.86	92	3.90
Year of Follow-up: 2030, Age Group: 60-64										
40	60-64	Never Any		5137	58.42					
40	60-64	CC		3	0.03	0	0.00			
40	60-64	Ecig		910	10.35					
40	60-64	Dual		0	0.00					
40	60-64	Former		2743	31.20			25.41	130	4.74
Year of Follow-up: 2030, Age Group: 65-69										
40	65-69	Never Any		5270	52.29					
40	65-69	CC		3	0.03	0	0.00			
40	65-69	Ecig		1087	10.79					
40	65-69	Dual		0	0.00					
40	65-69	Former		3718	36.89			27.56	73	1.96
Year of Follow-up: 2030, Age Group: 70-74										
40	70-74	Never Any		5276	50.25					
40	70-74	CC		4	0.04	0	0.00			
40	70-74	Ecig		957	9.12					
40	70-74	Dual		0	0.00					
40	70-74	Former		4262	40.59			30.31	86	2.02
Year of Follow-up: 2030, Age Group: 75-79										
40	75-79	Never Any		5018	52.27					
40	75-79	CC		4	0.04	0	0.00			

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

40	75-79	Ecig	612	6.38					
40	75-79	Dual	0	0.00					
40	75-79	Former	3966	41.31			34.05	76	1.92
Year of Follow-up: 2035, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	All Ages	Never Any	24668	54.04					
45	All Ages	CC	5	0.01	0	0.00			
45	All Ages	Ecig	4174	9.14					
45	All Ages	Dual	0	0.00					
45	All Ages	Former	16803	36.81			29.34	372	2.21
Year of Follow-up: 2035, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	18-19	Never Any	0	.					
45	18-19	CC	0	.	0	.			
45	18-19	Ecig	0	.					
45	18-19	Dual	0	.					
45	18-19	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	20-24	Never Any	0	.					
45	20-24	CC	0	.	0	.			
45	20-24	Ecig	0	.					
45	20-24	Dual	0	.					
45	20-24	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	25-29	Never Any	0	.					
45	25-29	CC	0	.	0	.			
45	25-29	Ecig	0	.					
45	25-29	Dual	0	.					
45	25-29	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	30-34	Never Any	0	.					
45	30-34	CC	0	.	0	.			
45	30-34	Ecig	0	.					
45	30-34	Dual	0	.					
45	30-34	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	35-39	Never Any	0	.					
45	35-39	CC	0	.	0	.			
45	35-39	Ecig	0	.					
45	35-39	Dual	0	.					
45	35-39	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	40-44	Never Any	0	.					
45	40-44	CC	0	.	0	.			
45	40-44	Ecig	0	.					
45	40-44	Dual	0	.					
45	40-44	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	45-49	Never Any	0	.					
45	45-49	CC	0	.	0	.			
45	45-49	Ecig	0	.					
45	45-49	Dual	0	.					
45	45-49	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	50-54	Never Any	0	.					
45	50-54	CC	0	.	0	.			
45	50-54	Ecig	0	.					
45	50-54	Dual	0	.					
45	50-54	Former	0	.			.	0	.
Year of Follow-up: 2035, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

45	55-59	Never Any	4017	50.66					
45	55-59	CC	0	0.00	0	0.00			
45	55-59	Ecig	957	12.07					
45	55-59	Dual	0	0.00					
45	55-59	Former	2956	37.28			24.74	74	2.50
Year of Follow-up: 2035, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	60-64	Never Any	4968	59.50					
45	60-64	CC	0	0.00	0	0.00			
45	60-64	Ecig	820	9.82					
45	60-64	Dual	0	0.00					
45	60-64	Former	2562	30.68			24.90	85	3.32
Year of Follow-up: 2035, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	65-69	Never Any	5137	58.42					
45	65-69	CC	3	0.03	0	0.00			
45	65-69	Ecig	710	8.07					
45	65-69	Dual	0	0.00					
45	65-69	Former	2943	33.47			28.51	57	1.94
Year of Follow-up: 2035, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	70-74	Never Any	5270	52.29					
45	70-74	CC	1	0.01	0	0.00			
45	70-74	Ecig	940	9.33					
45	70-74	Dual	0	0.00					
45	70-74	Former	3867	38.37			31.36	77	1.99
Year of Follow-up: 2035, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
45	75-79	Never Any	5276	50.25					
45	75-79	CC	1	0.01	0	0.00			
45	75-79	Ecig	747	7.11					
45	75-79	Dual	0	0.00					
45	75-79	Former	4475	42.62			33.73	79	1.77
Year of Follow-up: 2040, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	All Ages	Never Any	19392	55.17					
50	All Ages	CC	4	0.01	0	0.00			
50	All Ages	Ecig	2724	7.75					
50	All Ages	Dual	0	0.00					
50	All Ages	Former	13031	37.07			31.10	264	2.03
Year of Follow-up: 2040, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	18-19	Never Any	0	.					
50	18-19	CC	0	.	0	.			
50	18-19	Ecig	0	.					
50	18-19	Dual	0	.					
50	18-19	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	20-24	Never Any	0	.					
50	20-24	CC	0	.	0	.			
50	20-24	Ecig	0	.					
50	20-24	Dual	0	.					
50	20-24	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	25-29	Never Any	0	.					
50	25-29	CC	0	.	0	.			
50	25-29	Ecig	0	.					
50	25-29	Dual	0	.					
50	25-29	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	30-34	Never Any	0	.					
50	30-34	CC	0	.	0	.			
50	30-34	Ecig	0	.					
50	30-34	Dual	0	.					
50	30-34	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 35-39									

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	35-39	Never Any	0	.					
50	35-39	CC	0	.	0	.			
50	35-39	Ecig	0	.					
50	35-39	Dual	0	.					
50	35-39	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	40-44	Never Any	0	.					
50	40-44	CC	0	.	0	.			
50	40-44	Ecig	0	.					
50	40-44	Dual	0	.					
50	40-44	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	45-49	Never Any	0	.					
50	45-49	CC	0	.	0	.			
50	45-49	Ecig	0	.					
50	45-49	Dual	0	.					
50	45-49	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	50-54	Never Any	0	.					
50	50-54	CC	0	.	0	.			
50	50-54	Ecig	0	.					
50	50-54	Dual	0	.					
50	50-54	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	55-59	Never Any	0	.					
50	55-59	CC	0	.	0	.			
50	55-59	Ecig	0	.					
50	55-59	Dual	0	.					
50	55-59	Former	0	.			.	0	.
Year of Follow-up: 2040, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	60-64	Never Any	4017	50.66					
50	60-64	CC	0	0.00	0	0.00			
50	60-64	Ecig	742	9.36					
50	60-64	Dual	0	0.00					
50	60-64	Former	3171	39.99			27.86	91	2.87
Year of Follow-up: 2040, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	65-69	Never Any	4968	59.50					
50	65-69	CC	0	0.00	0	0.00			
50	65-69	Ecig	657	7.87					
50	65-69	Dual	0	0.00					
50	65-69	Former	2725	32.63			28.26	46	1.69
Year of Follow-up: 2040, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	70-74	Never Any	5137	58.42					
50	70-74	CC	3	0.03	0	0.00			
50	70-74	Ecig	598	6.80					
50	70-74	Dual	0	0.00					
50	70-74	Former	3055	34.74			32.34	56	1.83
Year of Follow-up: 2040, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
50	75-79	Never Any	5270	52.29					
50	75-79	CC	1	0.01	0	0.00			
50	75-79	Ecig	727	7.21					
50	75-79	Dual	0	0.00					
50	75-79	Former	4080	40.48			34.58	71	1.74

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: Four Diseases Combined

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9082078	2946250.006	1947774.515	998475.5	10.994	33.890	2493.45	808.881	534.754	274.128

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198532	60494.150	60022.457	471.693	0.238	0.780	2829.84	862.271	855.548	6.723
1993	202512	62694.848	61776.743	918.104	0.453	1.464	2845.85	881.034	868.132	12.902
1994	200658	63202.598	61751.793	1450.805	0.723	2.295	2777.87	874.966	854.881	20.085
1995	201023	63766.862	61670.728	2096.134	1.043	3.287	2739.80	869.097	840.528	28.569
1996	201180	64591.163	61718.492	2872.670	1.428	4.447	2706.36	868.908	830.264	38.644
1997	198639	64686.912	61088.674	3598.238	1.811	5.563	2635.18	858.147	810.412	47.735
1998	197573	65295.961	60857.396	4438.565	2.247	6.798	2584.18	854.046	795.991	58.055
1999	211329	67327.521	61593.299	5734.222	2.713	8.517	2726.91	868.771	794.778	73.992
2000	208496	67596.897	60917.413	6679.484	3.204	9.881	2656.96	861.419	776.300	85.120
2001	203606	67008.811	59329.010	7679.801	3.772	11.461	2565.88	844.458	747.676	96.782
2002	200828	67067.744	58273.382	8794.361	4.379	13.113	2506.09	836.925	727.182	109.743
2003	196352	66756.217	56954.943	9801.273	4.992	14.682	2427.31	825.244	704.080	121.164
2004	188160	65058.725	54405.953	10652.77	5.662	16.374	2302.83	796.234	665.858	130.376
2005	186416	65214.724	53414.306	11800.42	6.330	18.095	2256.27	789.321	646.495	142.825
2006	180088	63771.146	51100.355	12670.79	7.036	19.869	2160.67	765.117	613.095	152.022
2007	175644	63110.718	49546.550	13564.17	7.723	21.493	2086.36	749.650	588.530	161.120
2008	177570	63718.624	48862.813	14855.81	8.366	23.315	2086.39	748.674	574.123	174.551
2009	172806	62794.698	47106.448	15688.25	9.079	24.983	2007.57	729.515	547.257	182.258
2010	170489	61917.074	44354.292	16562.78	9.715	26.750	1957.97	711.083	520.869	190.214
2011	170305	61680.114	43944.734	17735.38	10.414	28.754	1937.46	701.700	499.935	201.765
2012	171421	62023.127	42987.457	19035.67	11.105	30.691	1930.22	698.386	484.043	214.343
2013	172699	62037.765	41831.967	20205.80	11.700	32.570	1923.75	691.059	465.980	225.079
2014	174169	61921.017	40431.536	21489.48	12.338	34.705	1918.85	682.195	445.441	236.753
2015	177354	61856.204	39271.815	22584.39	12.734	36.511	2184.51	761.899	483.721	278.178
2016	176853	60464.119	37003.507	23460.61	13.266	38.801	2157.59	737.655	451.438	286.217
2017	179309	60243.839	35604.500	24639.34	13.741	40.899	2166.86	728.017	430.263	297.754
2018	177157	60713.327	35010.180	25703.15	14.509	42.335	2120.51	726.721	419.062	307.659
2019	179227	61148.172	34079.291	27068.88	15.103	44.268	2124.53	724.841	403.971	320.870
2020	180467	61149.317	33128.990	28020.33	15.527	45.823	2424.25	821.432	445.029	376.403
2021	178116	58727.786	30312.952	28414.83	15.953	48.384	2375.42	783.216	404.265	378.951
2022	179408	58848.802	29282.318	29566.48	16.480	50.241	2374.52	778.881	387.560	391.321
2023	180640	58816.149	28243.435	30572.71	16.925	51.980	2372.26	772.407	370.909	401.498
2024	181610	58955.232	27214.150	31741.08	17.478	53.839	2366.77	768.316	354.660	413.656
2025	180418	58297.744	26056.631	32241.11	17.870	55.304	2713.69	876.861	391.920	484.941
2026	180313	56469.971	24023.016	32446.96	17.995	57.459	2701.83	846.150	359.962	486.187
2027	179619	56209.427	22883.404	33326.02	18.554	59.289	2680.68	838.883	341.517	497.366
2028	178762	55733.105	21692.353	34040.75	19.042	61.078	2656.74	828.298	322.389	505.909
2029	177808	55145.838	20486.359	34659.48	19.493	62.851	2630.89	815.951	303.121	512.830
2030	173587	53615.097	19232.541	34382.56	19.807	64.128	3040.33	939.056	336.853	602.202
2031	174985	52046.561	18016.413	34030.15	19.447	65.384	3060.73	910.364	315.131	595.233
2032	173400	51582.636	17036.961	34545.68	19.923	66.972	3027.10	900.496	297.420	603.076
2033	171756	50839.758	16048.833	34790.93	20.256	68.433	2991.14	885.375	279.490	605.884
2034	169973	50215.451	15091.298	35124.15	20.665	69.947	2951.96	872.104	262.094	610.010
2035	162644	47773.075	13955.101	33817.97	20.793	70.789	3459.14	1016.05	296.799	719.246
2036	156254	43298.709	11980.250	31318.46	20.043	72.331	3328.25	922.274	255.183	667.092
2037	153593	42241.563	11031.975	31209.59	20.320	73.884	3274.10	900.450	235.165	665.285
2038	150947	41356.353	10278.428	31077.92	20.589	75.147	3217.50	881.531	219.090	662.441
2039	148373	40161.050	9434.228	30726.82	20.709	76.509	3159.42	855.178	200.890	654.288

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: LUNG CANCER

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop	
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	
All Comb	2327764	1580465.217	1144421.951	436043.3	18.732	27.590	639.078	433.910	314.197	119.714

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	0.467
1992	45423	32782.407	32688.427	93.980	0.207	0.287	647.450	467.274	1.340
1993	46291	33491.183	33305.337	185.847	0.401	0.555	650.515	470.643	2.612
1994	47017	34074.347	33772.925	301.423	0.641	0.885	650.895	471.719	4.173
1995	47840	34694.454	34239.734	454.721	0.951	1.311	652.025	472.861	6.198
1996	48244	35027.269	34397.691	629.577	1.305	1.797	648.999	471.202	8.469
1997	49035	35590.763	34752.675	838.088	1.709	2.355	650.506	472.153	11.118
1998	49686	36100.785	35016.174	1084.610	2.183	3.004	649.874	472.184	14.186
1999	48883	35451.030	34143.626	1307.403	2.675	3.688	630.769	457.448	16.870
2000	50331	36447.986	34810.968	1637.018	3.253	4.491	641.392	464.474	20.861
2001	50389	36411.326	34439.893	1971.433	3.912	5.414	635.012	458.863	24.844
2002	51445	37078.545	34691.644	2386.901	4.640	6.437	641.972	462.696	29.786
2003	51408	36999.876	34216.074	2783.802	5.415	7.524	635.509	457.395	34.414
2004	51399	36861.555	33637.513	3224.042	6.273	8.746	629.057	451.138	39.458
2005	51421	36689.529	32999.674	3689.855	7.176	10.057	622.370	444.069	44.660
2006	51355	36504.774	32325.558	4179.216	8.138	11.448	616.150	437.979	50.142
2007	51839	36663.202	31901.427	4761.775	9.186	12.988	615.761	435.498	56.562
2008	50976	35898.803	30698.957	5199.846	10.201	14.485	598.952	421.800	61.097
2009	51193	35934.525	30109.321	5825.205	11.379	16.211	594.733	417.468	67.674
2010	50853	35502.829	29164.752	6338.077	12.464	17.852	584.018	407.730	72.789
2011	50509	35136.342	28201.718	6934.624	13.729	19.736	574.613	399.726	78.891
2012	51245	35450.201	27773.797	7676.404	14.980	21.654	577.023	399.173	86.437
2013	51069	35123.224	26796.443	8326.781	16.305	23.707	568.874	391.249	92.755
2014	51251	35079.370	26056.145	9023.224	17.606	25.722	564.641	386.476	99.410
2015	50443	34324.171	24845.833	9478.338	18.790	27.614	621.319	422.780	116.747
2016	48854	33054.753	23180.759	9873.994	20.211	29.872	596.013	403.264	120.462
2017	48325	32471.234	22026.719	10444.52	21.613	32.165	583.983	392.399	126.217
2018	50465	33657.595	21994.028	11663.57	23.112	34.654	604.052	402.871	139.609
2019	51036	33863.424	21333.852	12529.57	24.550	37.000	604.975	401.412	148.524
2020	51444	33910.830	20659.382	13251.45	25.759	39.077	691.053	455.532	178.010
2021	48037	31531.880	18434.748	13097.13	27.265	41.536	640.639	420.521	174.668
2022	48335	31560.212	17709.151	13851.06	28.656	43.888	639.727	417.708	183.323
2023	48599	31508.781	16975.006	14533.78	29.906	46.126	638.227	413.791	190.866
2024	48784	31517.293	16239.091	15278.20	31.318	48.476	635.757	410.740	199.109
2025	48477	31175.389	15435.831	15739.56	32.468	50.487	729.141	468.912	236.740
2026	45324	29044.598	13740.972	15303.63	33.765	52.690	679.138	435.206	229.311
2027	45107	28825.765	12983.096	15842.67	35.122	54.960	673.191	430.203	236.440
2028	44842	28513.846	12211.574	16302.27	36.355	57.173	666.430	423.769	242.282
2029	44539	28148.109	11436.286	16711.82	37.522	59.371	659.013	416.486	247.272
2030	43393	27314.475	10633.265	16681.21	38.442	61.071	760.018	478.407	292.167
2031	40748	25423.102	9556.042	15867.06	38.940	62.412	712.731	444.684	277.536
2032	40325	25085.902	8945.947	16139.95	40.025	64.339	703.969	437.933	281.761
2033	39882	24645.067	8351.981	16293.09	40.853	66.111	694.543	429.194	283.744
2034	39404	24239.126	7781.737	16457.39	41.765	67.896	684.347	420.967	285.819
2035	37454	22944.147	7098.450	15845.70	42.307	69.062	796.588	487.980	337.009
2036	32988	19950.581	5857.308	14093.27	42.722	70.641	702.663	424.953	300.191
2037	32403	19415.334	5356.234	14059.10	43.388	72.412	690.731	413.871	299.694
2038	31820	18939.317	4964.184	13975.13	43.919	73.789	678.257	403.701	297.887
2039	31251	18379.752	4536.120	13843.63	44.298	75.320	665.457	391.373	294.782

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: IHD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3242167	398833.796	199834.065	198999.7	6.138	49.895	890.124	109.498	54.864	54.635

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.647	250.596	0.267	1.979	1335.88	180.485	176.913	3.572
1993	93679	12730.613	12252.272	478.341	0.511	3.757	1316.45	178.900	172.178	6.722
1994	90832	12495.323	11750.265	745.058	0.820	5.963	1257.46	172.983	162.669	10.314
1995	89698	12365.590	11312.567	1053.023	1.174	8.516	1222.52	168.534	154.182	14.352
1996	88286	12290.551	10854.614	1435.937	1.626	11.683	1187.66	165.338	146.021	19.317
1997	84777	11719.531	9989.913	1729.619	2.040	14.758	1124.67	155.473	132.528	22.945
1998	82517	11416.794	9346.086	2070.708	2.509	18.137	1079.29	149.327	122.243	27.084
1999	93939	13028.038	10177.193	2850.845	3.035	21.882	1212.16	168.109	131.323	36.786
2000	90039	12426.299	9243.243	3183.056	3.535	25.615	1147.41	158.354	117.791	40.563
2001	86119	11939.281	8351.671	3587.610	4.166	30.049	1085.29	150.461	105.249	45.212
2002	83014	11528.794	7547.703	3981.091	4.796	34.532	1035.91	143.865	94.186	49.679
2003	79302	11048.407	6769.856	4278.551	5.395	38.726	980.336	136.581	83.689	52.892
2004	73861	10375.132	5895.745	4479.387	6.065	43.174	903.963	126.978	72.156	54.822
2005	71649	10051.029	5298.319	4752.710	6.633	47.286	867.197	121.652	64.128	57.524
2006	67551	9542.523	4615.221	4927.302	7.294	51.635	810.467	114.490	55.373	59.117
2007	63503	8936.533	3973.982	4962.551	7.815	55.531	754.310	106.151	47.204	58.947
2008	63171	8944.180	3648.389	5295.791	8.383	59.209	742.239	105.091	42.867	62.224
2009	59747	8390.033	3159.575	5230.458	8.754	62.341	694.108	97.471	36.706	60.765
2010	58008	8157.570	2820.389	5337.181	9.201	65.426	666.189	93.685	32.391	61.295
2011	57368	8035.356	2530.007	5505.349	9.597	68.514	652.644	91.414	28.782	62.631
2012	57411	7970.766	2275.764	5695.002	9.920	71.449	646.453	89.752	25.625	64.126
2013	57067	7743.216	2032.551	5710.665	10.007	73.751	635.688	86.254	22.641	63.613
2014	57538	7774.935	1856.007	5918.929	10.287	76.128	633.906	85.658	20.448	65.210
2015	58395	7722.535	1711.116	6011.418	10.294	77.843	719.266	95.120	21.076	74.044
2016	58658	7600.353	1533.162	6067.191	10.343	79.828	715.621	92.723	18.704	74.019
2017	59004	7470.266	1380.755	6089.511	10.321	81.517	713.034	90.274	16.686	73.589
2018	56077	6907.050	1170.012	5737.038	10.231	83.061	671.224	82.675	14.005	68.671
2019	55886	6732.046	1052.807	5679.240	10.162	84.361	662.462	79.801	12.480	67.321
2020	55313	6429.836	940.008	5489.828	9.925	85.381	743.037	86.373	12.627	73.746
2021	56292	6562.016	869.608	5692.408	10.112	86.748	750.730	87.513	11.597	75.916
2022	55827	6352.366	783.245	5569.120	9.976	87.670	738.885	84.075	10.366	73.709
2023	55338	6134.123	711.071	5423.052	9.800	88.408	726.728	80.557	9.338	71.219
2024	54770	5922.193	644.113	5278.079	9.637	89.124	713.771	77.179	8.394	68.785
2025	53295	5504.188	569.722	4934.466	9.259	89.649	801.612	82.789	8.569	74.220
2026	55278	5641.075	549.984	5091.092	9.210	90.250	828.283	84.526	8.241	76.285
2027	54199	5426.216	503.973	4922.242	9.082	90.712	808.875	80.982	7.521	73.461
2028	53090	5197.830	460.398	4737.432	8.923	91.142	789.020	77.249	6.842	70.407
2029	51974	4973.547	423.049	4550.498	8.755	91.494	769.023	73.590	6.260	67.330
2030	49479	4450.618	363.004	4087.614	8.261	91.844	866.605	77.952	6.358	71.594
2031	51987	4555.052	361.860	4193.193	8.066	92.056	909.317	79.674	6.329	73.345
2032	50677	4349.999	334.397	4015.602	7.924	92.313	884.689	75.939	5.838	70.102
2033	49380	4147.948	313.268	3834.681	7.766	92.448	859.955	72.237	5.456	66.781
2034	48076	3966.133	293.556	3672.577	7.639	92.598	834.943	68.881	5.098	63.783
2035	44518	3289.064	233.821	3055.243	6.863	92.891	946.825	69.952	4.973	64.979
2036	46347	3313.192	229.839	3083.353	6.653	93.063	987.211	70.572	4.896	65.676
2037	44841	3117.951	212.509	2905.442	6.479	93.184	955.859	66.464	4.530	61.934
2038	43378	2949.775	199.670	2750.104	6.340	93.231	924.621	62.876	4.256	58.620
2039	41973	2766.312	187.170	2579.142	6.145	93.234	893.753	58.905	3.986	54.919

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: STROKE

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1352207	104899.750	51485.715	53414.04	3.950	50.919	371.243	28.800	14.135	14.665

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.557	27.506	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.226	76.899	0.236	2.390	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.072	145.608	0.444	4.513	460.480	45.344	43.297	2.046
1994	33005	3277.266	3045.069	232.197	0.704	7.085	456.915	45.370	42.155	3.214
1995	33730	3309.378	2976.642	332.736	0.986	10.054	459.716	45.104	40.570	4.535
1996	33750	3312.987	2863.121	449.866	1.333	13.579	454.019	44.568	38.516	6.052
1997	33699	3267.066	2703.744	563.322	1.672	17.242	447.056	43.341	35.868	7.473
1998	33274	3178.725	2507.151	671.574	2.018	21.127	435.211	41.577	32.793	8.784
1999	33891	3120.351	2338.563	781.789	2.307	25.055	437.317	40.264	30.176	10.088
2000	33827	3142.808	2228.443	914.365	2.703	29.094	431.074	40.050	28.398	11.652
2001	32506	2961.588	1979.796	981.793	3.020	33.151	409.647	37.323	24.950	12.373
2002	32078	2940.627	1836.990	1103.638	3.440	37.531	400.295	36.695	22.923	13.772
2003	30568	2819.545	1644.562	1174.983	3.844	41.673	377.883	34.855	20.330	14.525
2004	29388	2730.466	1479.519	1250.947	4.257	45.814	359.671	33.417	18.107	15.310
2005	27954	2670.510	1342.597	1327.914	4.750	49.725	338.339	32.322	16.250	16.072
2006	27201	2623.285	1221.264	1402.021	5.154	53.445	326.354	31.474	14.653	16.821
2007	26302	2536.599	1089.637	1446.962	5.501	57.043	312.424	30.131	12.943	17.187
2008	25998	2469.443	981.038	1488.406	5.725	60.273	305.468	29.015	11.527	17.488
2009	25040	2386.945	874.448	1512.497	6.040	63.365	290.901	27.730	10.159	17.571
2010	24840	2329.274	787.017	1542.257	6.209	66.212	285.273	26.750	9.038	17.712
2011	24792	2286.581	707.753	1578.828	6.368	69.048	282.045	26.013	8.052	17.961
2012	24500	2243.311	635.794	1607.517	6.561	71.658	275.872	25.260	7.159	18.101
2013	24451	2176.503	565.278	1611.225	6.590	74.028	272.368	24.245	6.297	17.948
2014	25296	2211.619	527.426	1684.193	6.658	76.152	278.691	24.366	5.811	18.555
2015	26316	2237.016	495.244	1741.771	6.619	77.861	324.141	27.554	6.100	21.454
2016	26735	2229.057	455.246	1773.812	6.635	79.577	326.164	27.194	5.554	21.640
2017	27616	2221.649	419.671	1801.978	6.525	81.110	333.726	26.848	5.072	21.776
2018	25256	1939.420	340.815	1598.605	6.330	82.427	302.304	23.214	4.079	19.135
2019	25429	1904.400	308.909	1595.490	6.274	83.779	301.434	22.574	3.662	18.913
2020	25379	1806.054	273.663	1532.391	6.038	84.847	340.922	24.261	3.676	20.585
2021	25448	1748.172	245.679	1502.493	5.904	85.946	339.386	23.314	3.276	20.038
2022	25539	1701.148	222.987	1478.161	5.788	86.892	338.015	22.515	2.951	19.564
2023	25620	1652.087	203.687	1448.400	5.653	87.671	336.461	21.696	2.675	19.021
2024	25659	1597.127	184.662	1412.464	5.505	88.438	334.391	20.814	2.407	18.408
2025	25260	1467.622	160.778	1306.844	5.174	89.045	379.931	22.075	2.418	19.656
2026	25480	1390.505	144.638	1245.868	4.890	89.598	381.790	20.835	2.167	18.668
2027	25264	1342.095	132.434	1209.662	4.788	90.132	377.042	20.030	1.976	18.053
2028	25022	1289.536	121.523	1168.013	4.668	90.576	371.870	19.165	1.806	17.359
2029	24767	1242.216	111.957	1130.259	4.564	90.987	366.459	18.380	1.657	16.724
2030	23959	1096.803	94.126	1002.678	4.185	91.418	419.641	19.210	1.649	17.562
2031	23963	1019.991	84.863	935.128	3.902	91.680	419.142	17.841	1.484	16.357
2032	23615	977.406	78.483	898.923	3.807	91.970	412.259	17.063	1.370	15.693
2033	23259	937.450	73.722	863.727	3.714	92.136	405.051	16.326	1.284	15.042
2034	22879	900.763	69.171	831.592	3.635	92.321	397.339	15.644	1.201	14.442
2035	21733	745.023	55.032	689.992	3.175	92.613	462.224	15.845	1.170	14.675
2036	20904	680.360	48.809	631.550	3.021	92.826	445.263	14.492	1.040	13.452
2037	20397	644.109	45.553	598.557	2.935	92.928	434.791	13.730	0.971	12.759
2038	19890	612.448	42.937	569.511	2.863	92.989	423.966	13.055	0.915	12.139
2039	19392	577.529	40.404	537.126	2.770	93.004	412.930	12.298	0.860	11.437

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: COPD

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2159941	862051.244	552032.784	310018.5	14.353	35.963	593.003	236.673	151.558	85.114

Results for Age Groups Combined, Population unadjusted for deaths in Ecig scenario,

Age Group:All		NULL	Ecig	%Drop		NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.157	50.218	0.187	0.424	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.062	108.309	0.364	0.818	418.406	186.148	184.626	1.522
1994	29804	13355.662	13183.535	172.127	0.578	1.289	412.601	184.893	182.511	2.383
1995	29755	13397.439	13141.786	255.654	0.859	1.908	405.540	182.598	179.113	3.484
1996	30900	13960.356	13603.066	357.290	1.156	2.559	415.680	187.801	182.994	4.806
1997	31128	14109.552	13642.344	467.209	1.501	3.311	412.949	187.180	180.982	6.198
1998	32096	14599.657	13987.985	611.673	1.906	4.190	419.803	190.958	182.957	8.000
1999	34616	15728.102	14933.917	794.185	2.294	5.049	446.673	202.950	192.702	10.248
2000	34299	15579.803	14634.759	945.045	2.755	6.066	437.088	198.541	186.498	12.043
2001	34592	15696.614	14557.650	1138.965	3.293	7.256	435.935	197.812	183.458	14.353
2002	34291	15519.777	14197.046	1322.732	3.857	8.523	427.910	193.668	177.162	16.506
2003	35074	15888.389	14324.452	1563.937	4.459	9.843	433.587	196.413	177.080	19.333
2004	33512	15091.573	13393.176	1698.397	5.068	11.254	410.143	184.701	163.915	20.786
2005	35392	15803.656	13773.716	2029.940	5.736	12.845	428.364	191.278	166.709	24.569
2006	33981	15100.563	12938.312	2162.251	6.363	14.319	407.699	181.174	155.232	25.942
2007	34000	14974.384	12581.504	2392.880	7.038	15.980	403.863	177.871	149.447	28.423
2008	37425	16406.197	13534.428	2871.769	7.673	17.504	439.732	192.768	159.025	33.742
2009	36826	16083.194	12963.104	3120.090	8.473	19.400	427.825	186.846	150.598	36.248
2010	36788	15927.400	12582.135	3345.266	9.093	21.003	422.489	182.917	144.499	38.418
2011	37636	16221.836	12505.257	3716.579	9.875	22.911	428.164	184.547	142.265	42.281
2012	38265	16358.849	12302.102	4056.748	10.602	24.798	430.867	184.202	138.523	45.679
2013	40112	16994.822	12437.694	4557.128	11.361	26.815	446.821	189.311	138.547	50.763
2014	40084	16855.093	11991.958	4863.135	12.132	28.853	441.613	185.696	132.118	53.578
2015	42200	17572.483	12219.622	5352.861	12.685	30.462	519.788	216.445	150.512	65.933
2016	42606	17579.955	11834.340	5745.615	13.485	32.683	519.788	214.473	144.378	70.096
2017	44364	18080.688	11777.355	6303.333	14.208	34.862	536.117	218.496	142.323	76.173
2018	45359	18209.262	11505.324	6703.938	14.780	36.816	542.932	217.960	137.715	80.244
2019	46876	18648.302	11383.723	7264.578	15.498	38.956	555.657	221.054	134.941	86.113
2020	48331	19002.597	11255.937	7746.660	16.028	40.766	649.239	255.266	151.204	104.063
2021	48338	18885.717	10762.918	8122.800	16.804	43.010	644.660	251.867	143.538	108.329
2022	49708	19235.076	10566.934	8668.142	17.438	45.064	657.895	254.582	139.856	114.725
2023	51083	19521.158	10353.672	9167.486	17.946	46.962	670.849	256.363	135.970	120.393
2024	52397	19918.620	10146.283	9772.337	18.650	49.061	682.854	259.583	132.228	127.355
2025	53387	20150.545	9890.300	10260.24	19.218	50.918	803.004	303.086	148.761	154.325
2026	54232	20393.792	9587.422	10806.37	19.926	52.989	812.615	305.582	143.659	161.923
2027	55049	20615.351	9263.901	11351.45	20.621	55.063	821.568	307.668	138.257	169.412
2028	55809	20731.894	8898.858	11833.04	21.203	57.076	829.419	308.115	132.254	175.861
2029	56527	20781.967	8515.066	12266.90	21.701	59.027	836.392	307.495	125.991	181.504
2030	56756	20753.201	8142.146	12611.05	22.220	60.767	994.067	363.487	142.608	220.880
2031	58288	21048.417	8013.649	13034.77	22.363	61.928	1019.54	368.165	140.169	227.995
2032	58782	21169.329	7678.134	13491.19	22.951	63.730	1026.18	369.560	134.040	235.520
2033	59236	21109.293	7309.861	13799.43	23.296	65.371	1031.59	367.618	127.301	240.317
2034	59614	21109.429	6946.833	14162.60	23.757	67.091	1035.33	366.613	120.647	245.965
2035	58938	20794.840	6567.797	14227.04	24.139	68.416	1253.51	442.268	139.685	302.583
2036	56014	19354.577	5844.293	13510.28	24.119	69.804	1193.11	412.258	124.485	287.773
2037	55953	19064.169	5417.680	13646.49	24.389	71.582	1192.72	406.385	115.487	290.898
2038	55859	18854.812	5071.636	13783.18	24.675	73.102	1190.66	401.900	108.104	293.795
2039	55757	18437.457	4670.535	13766.92	24.691	74.668	1187.28	392.602	99.453	293.149

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: Four Diseases Combined, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	Four Diseases Combined
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	9148398	2946250.006	1956628.099	989621.9	10.817	33.589	2499.62	808.881	534.610	274.271

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop			NULL	Ecig	Drop		
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	199848	57524.822	57524.822	0.000	0.000	0.000	2926.84	842.471	842.471	0.000
1991	199162	59078.486	58910.022	168.464	0.085	0.285	2877.87	853.678	851.244	2.434
1992	198533	60494.150	60022.682	471.468	0.237	0.779	2829.84	862.271	855.549	6.722
1993	202515	62694.848	61777.621	917.226	0.453	1.463	2845.86	881.034	868.136	12.898
1994	200665	63202.598	61753.949	1448.649	0.722	2.292	2777.91	874.966	854.892	20.074
1995	201036	63766.862	61674.868	2091.994	1.041	3.281	2739.86	869.097	840.549	28.548
1996	201202	64591.163	61725.537	2865.626	1.424	4.437	2706.47	868.908	830.299	38.609
1997	198673	64686.912	61099.595	3587.317	1.806	5.546	2635.34	858.147	810.467	47.680
1998	197623	65295.961	60873.344	4422.618	2.238	6.773	2584.42	854.046	796.073	57.973
1999	211404	67327.521	61615.804	5711.717	2.702	8.483	2727.28	868.771	794.894	73.877
2000	208596	67596.897	60947.660	6649.237	3.188	9.837	2657.45	861.419	776.455	84.964
2001	203735	67008.811	59367.603	7641.207	3.751	11.403	2566.52	844.458	747.875	96.583
2002	200990	67067.744	58321.551	8746.192	4.352	13.041	2506.90	836.925	727.430	109.495
2003	196550	66756.217	57013.808	9742.409	4.957	14.594	2428.31	825.244	704.385	120.859
2004	188394	65058.725	54474.911	10583.81	5.618	16.268	2304.02	796.234	666.217	130.017
2005	186694	65214.724	53495.302	11719.42	6.277	17.971	2257.67	789.321	646.915	142.406
2006	180406	63771.146	51192.151	12579.00	6.973	19.725	2162.28	765.117	613.571	151.547
2007	176006	63110.718	49650.464	13460.25	7.648	21.328	2088.19	749.650	589.068	160.583
2008	177993	63718.624	48981.385	14737.24	8.280	23.129	2088.53	748.674	574.735	173.939
2009	173277	62794.698	47237.342	15557.36	8.978	24.775	2009.93	729.515	547.929	181.586
2010	171016	61917.074	45497.128	16419.95	9.601	26.519	1960.59	711.083	521.596	189.487
2011	170895	61680.114	44100.091	17580.02	10.287	28.502	1940.38	701.700	500.721	200.979
2012	172084	62023.127	43157.263	18865.86	10.963	30.417	1933.47	698.386	484.898	213.489
2013	173443	62037.765	42015.860	20021.90	11.544	32.274	1927.38	691.059	466.900	224.159
2014	174998	61921.017	40628.289	21292.73	12.167	34.387	1922.86	682.195	446.419	235.776
2015	178288	61856.204	39483.047	22373.16	12.549	36.170	2188.83	761.899	484.731	277.168
2016	177872	60464.119	37221.713	23242.41	13.067	38.440	2162.26	737.655	452.475	285.180
2017	180440	60243.839	35834.537	24409.30	13.528	40.518	2172.04	728.017	431.356	296.661
2018	178377	60713.327	35257.097	25456.23	14.271	41.929	2126.10	726.721	420.235	306.486
2019	180571	61148.172	34341.335	26806.84	14.846	43.839	2130.69	724.841	405.220	319.621
2020	181943	61149.317	33406.327	27742.99	15.248	45.369	2430.54	821.432	446.270	375.163
2021	179686	58727.786	30586.980	28140.81	15.661	47.917	2382.12	783.216	405.494	377.721
2022	181110	58848.802	29567.283	29281.52	16.168	49.757	2381.81	778.881	388.845	390.036
2023	182478	58816.149	28538.683	30277.47	16.592	51.478	2380.18	772.407	372.248	400.159
2024	183588	58955.232	27519.052	31436.18	17.123	53.322	2375.33	768.316	356.052	412.264
2025	182536	58297.744	26369.997	31927.75	17.491	54.767	2721.86	876.861	393.213	483.648
2026	182579	56469.971	24333.810	32136.16	17.601	56.908	2710.81	846.150	361.292	484.858
2027	182019	56209.427	23199.100	33010.33	18.136	58.727	2690.35	838.883	342.896	495.987
2028	181299	55733.105	22010.482	33722.62	18.601	60.507	2667.14	828.298	323.803	504.495
2029	180482	55145.838	20805.432	34340.41	19.027	62.272	2642.04	815.951	304.567	511.383
2030	176387	53615.097	19552.390	34062.71	19.311	63.532	3050.44	939.056	338.138	600.917
2031	177997	52046.561	18337.900	33708.66	18.938	64.766	3072.29	910.364	316.519	593.845
2032	176549	51582.636	17358.723	34223.91	19.385	66.348	3039.57	900.496	298.858	601.637
2033	175043	50839.758	16369.000	34470.76	19.693	67.803	3004.56	885.375	280.968	604.406
2034	173393	50215.451	15408.705	34806.75	20.074	69.315	2966.32	872.104	263.605	608.499
2035	166156	47773.075	14268.378	33504.70	20.165	70.133	3471.88	1016.05	298.142	717.904
2036	159794	43298.709	12263.302	31035.41	19.422	71.677	3341.68	922.274	256.456	665.818
2037	157226	42241.563	11304.425	30937.14	19.677	73.239	3288.48	900.450	236.439	664.012
2038	154668	41356.353	10543.670	30812.68	19.922	74.505	3232.81	881.531	220.380	661.151
2039	152179	40161.050	9687.679	30473.37	20.025	75.878	3175.65	855.178	202.160	653.017

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: LUNG CANCER, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	LUNG CANCER
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2343932	1580465.217	1149469.690	430995.5	18.388	27.270	640.433	433.910	314.070	119.841

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	42690	30614.201	30614.201	0.000	0.000	0.000	625.210	448.355	448.355	0.000
1991	43692	31412.010	31379.684	32.326	0.074	0.103	631.345	453.901	453.433	0.467
1992	45423	32782.407	32688.550	93.856	0.207	0.286	647.451	467.274	465.935	1.339
1993	46292	33491.183	33305.814	185.369	0.400	0.553	650.518	470.643	468.033	2.609
1994	47019	34074.347	33774.115	300.233	0.639	0.881	650.904	471.719	467.553	4.167
1995	47843	34694.454	34242.054	452.400	0.946	1.304	652.042	472.861	466.675	6.186
1996	48250	35027.269	34401.659	625.610	1.297	1.786	649.027	471.202	462.753	8.449
1997	49044	35590.763	34758.932	831.831	1.696	2.337	650.551	472.153	461.066	11.086
1998	49699	36100.785	35025.407	1075.378	2.164	2.979	649.940	472.184	458.046	14.139
1999	48901	35451.030	34156.150	1294.880	2.648	3.653	630.861	457.448	440.642	16.805
2000	50356	36447.986	34828.316	1619.670	3.216	4.444	641.520	464.474	443.702	20.772
2001	50422	36411.326	34462.331	1948.995	3.865	5.353	635.180	458.863	434.134	24.728
2002	51487	37078.545	34720.374	2358.171	4.580	6.360	642.190	462.696	433.059	29.637
2003	51461	36999.876	34251.472	2748.404	5.341	7.428	635.782	457.395	423.165	34.230
2004	51464	36861.555	33680.137	3181.418	6.182	8.631	629.392	451.138	411.901	39.236
2005	51498	36689.529	33049.626	3639.902	7.068	9.921	622.765	444.069	399.667	44.402
2006	51446	36504.774	32383.461	4121.313	8.011	11.290	616.615	437.979	388.136	49.843
2007	51946	36663.202	31968.112	4695.090	9.038	12.806	616.306	435.498	379.279	56.219
2008	51098	35898.803	30773.072	5125.731	10.031	14.278	599.566	421.800	361.083	60.716
2009	51333	35934.525	30192.592	5741.934	11.186	15.979	595.432	417.468	350.219	67.249
2010	51010	35502.829	29256.100	6246.729	12.246	17.595	584.795	407.730	335.403	72.327
2011	50684	35136.342	28300.844	6835.498	13.487	19.454	575.471	399.726	321.334	78.393
2012	51443	35450.201	27882.894	7567.307	14.710	21.346	577.989	399.173	313.281	85.892
2013	51288	35123.224	26913.519	8209.705	16.007	23.374	569.935	391.249	299.076	92.173
2014	51494	35079.370	26182.249	8897.121	17.278	25.363	565.810	386.476	287.688	98.788
2015	50707	34324.171	24978.675	9345.496	18.430	27.227	622.527	422.780	306.662	116.118
2016	49134	33054.753	23316.731	9738.022	19.819	29.460	597.285	403.264	283.443	119.821
2017	48628	32471.234	22168.298	10302.94	21.187	31.729	585.360	392.399	266.849	125.549
2018	50809	33657.595	22147.899	11509.70	22.653	34.196	605.602	402.871	263.984	138.887
2019	51414	33863.424	21496.508	12366.92	24.053	36.520	606.677	401.412	253.654	147.758
2020	51858	33910.830	20830.760	13080.07	25.223	38.572	692.762	455.532	278.275	177.257
2021	48455	31531.880	18599.972	12931.91	26.688	41.012	642.375	420.521	246.582	173.939
2022	48787	31560.212	17880.004	13680.21	28.041	43.346	641.610	417.708	235.143	182.565
2023	49087	31508.781	17150.907	14357.87	29.250	45.568	640.266	413.791	223.710	190.081
2024	49307	31517.293	16419.418	15097.88	30.620	47.903	637.955	410.740	212.441	198.299
2025	49036	31175.389	15619.800	15555.59	31.723	49.897	731.194	468.912	232.913	235.999
2026	45887	29044.598	13917.232	15127.37	32.967	52.083	681.291	435.206	206.633	228.573
2027	45702	28825.765	13160.623	15665.14	34.276	54.344	675.507	430.203	194.522	235.681
2028	45469	28513.846	12388.995	16124.85	35.463	56.551	668.915	423.769	182.258	241.511
2029	45200	28148.109	11612.660	16535.45	36.583	58.744	661.670	416.486	169.996	246.490
2030	44083	27314.475	10808.429	16506.05	37.443	60.430	762.369	478.407	186.921	291.486
2031	41442	25423.102	9725.034	15698.07	37.879	61.747	715.308	444.684	167.858	276.826
2032	41050	25085.902	9113.223	15972.68	38.911	63.672	706.737	437.933	156.899	281.034
2033	40636	24645.067	8516.792	16128.27	39.689	65.442	697.509	429.194	146.188	283.006
2034	40187	24239.126	7943.461	16295.67	40.549	67.229	687.508	420.967	135.893	285.074
2035	38255	22944.147	7256.177	15687.97	41.009	68.375	799.347	487.980	151.620	336.360
2036	33726	19950.581	5993.918	13956.66	41.382	69.956	705.295	424.953	125.348	299.605
2037	33159	19415.334	5486.566	13928.77	42.006	71.741	693.535	413.871	114.755	299.116
2038	32592	18939.317	5090.196	13849.12	42.492	73.124	681.233	403.701	106.394	297.307
2039	32040	18379.752	4655.744	13724.01	42.834	74.669	668.600	391.373	97.155	294.218

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: IHD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	IHD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	3261637	398833.796	200111.410	198722.4	6.093	49.826	891.178	109.498	54.676	54.822

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	98916	12922.892	12922.892	0.000	0.000	0.000	1448.66	189.260	189.260	0.000
1991	96403	12856.479	12766.075	90.404	0.094	0.703	1393.01	185.775	184.469	1.306
1992	93721	12662.244	12411.694	250.550	0.267	1.979	1335.88	180.485	176.913	3.572
1993	93680	12730.613	12252.446	478.167	0.510	3.756	1316.45	178.900	172.179	6.721
1994	90835	12495.323	11750.674	744.649	0.820	5.959	1257.48	172.983	162.671	10.312
1995	89704	12365.590	11313.328	1052.262	1.173	8.510	1222.55	168.534	154.186	14.348
1996	88296	12290.551	10855.852	1434.699	1.625	11.673	1187.71	165.338	146.027	19.311
1997	84792	11719.531	9991.711	1727.821	2.038	14.743	1124.73	155.473	132.537	22.936
1998	82538	11416.794	9348.558	2068.236	2.506	18.116	1079.39	149.327	122.256	27.071
1999	93972	13028.038	10180.958	2847.080	3.030	21.853	1212.32	168.109	131.343	36.767
2000	90082	12426.299	9247.894	3178.405	3.528	25.578	1147.62	158.354	117.815	40.539
2001	86173	11939.281	8357.170	3582.112	4.157	30.003	1085.55	150.461	105.278	45.183
2002	83080	11528.794	7553.995	3974.799	4.784	34.477	1036.24	143.865	94.219	49.646
2003	79382	11048.407	6776.893	4271.514	5.381	38.662	980.731	136.581	83.726	52.855
2004	73952	10375.132	5903.230	4471.901	6.047	43.102	904.420	126.978	72.195	54.783
2005	71755	10051.029	5306.359	4744.671	6.612	47.206	867.730	121.652	64.169	57.482
2006	67670	9542.523	4623.477	4919.046	7.269	51.549	811.063	114.490	55.415	59.075
2007	63633	8936.533	3982.245	4954.288	7.786	55.439	754.960	106.151	47.247	58.905
2008	63320	8944.180	3657.103	5287.078	8.350	59.112	742.981	105.091	42.911	62.180
2009	59909	8390.033	3168.206	5221.828	8.716	62.238	694.909	97.471	36.750	60.721
2010	58185	8157.570	2829.082	5328.488	9.158	65.320	667.060	93.685	32.434	61.251
2011	57565	8035.356	2538.720	5496.636	9.549	68.406	653.604	91.414	28.825	62.589
2012	57630	7970.766	2284.420	5686.345	9.867	71.340	647.510	89.752	25.667	64.085
2013	57310	7743.216	2041.106	5702.110	9.950	73.640	636.855	86.254	22.682	63.572
2014	57808	7774.935	1864.585	5910.351	10.224	76.018	635.190	85.658	20.488	65.170
2015	58698	7722.535	1719.830	6002.705	10.226	77.730	720.629	95.120	21.114	74.006
2016	58991	7600.353	1541.667	6058.686	10.270	79.716	717.112	92.723	18.741	73.983
2017	59370	7470.266	1389.069	6081.198	10.243	81.405	714.666	90.274	16.721	73.554
2018	56456	6907.050	1177.615	5729.435	10.148	82.951	672.908	82.675	14.036	68.639
2019	56297	6732.046	1060.195	5671.852	10.075	84.252	664.293	79.801	12.510	67.291
2020	55758	6429.836	947.186	5482.650	9.833	85.269	744.864	86.373	12.653	73.720
2021	56777	6562.016	876.641	5685.375	10.013	86.641	752.700	87.513	11.622	75.892
2022	56344	6352.366	790.000	5562.366	9.872	87.564	740.995	84.075	10.389	73.686
2023	55888	6134.123	717.588	5416.536	9.692	88.302	728.984	80.557	9.360	71.197
2024	55353	5922.193	650.361	5271.831	9.524	89.018	716.172	77.179	8.415	68.765
2025	53908	5504.188	575.730	4928.457	9.142	89.540	803.848	82.789	8.585	74.204
2026	55953	5641.075	556.096	5084.979	9.088	90.142	830.756	84.526	8.257	76.270
2027	54903	5426.216	509.884	4916.332	8.955	90.603	811.496	80.982	7.536	73.446
2028	53822	5197.830	466.056	4731.774	8.792	91.034	791.792	77.249	6.856	70.393
2029	52733	4973.547	428.488	4545.059	8.619	91.385	771.946	73.590	6.273	67.317
2030	50258	4450.618	368.170	4082.448	8.123	91.728	869.163	77.952	6.367	71.584
2031	52852	4555.052	367.235	4187.817	7.924	91.938	912.249	79.674	6.339	73.335
2032	51566	4349.999	339.570	4010.429	7.777	92.194	887.797	75.939	5.846	70.093
2033	50292	4147.948	318.317	3829.631	7.615	92.326	863.239	72.237	5.464	66.773
2034	49007	3966.133	298.458	3667.676	7.484	92.475	838.395	68.881	5.106	63.775
2035	45453	3289.064	238.337	3050.728	6.712	92.754	949.750	69.952	4.980	64.972
2036	47363	3313.192	234.391	3078.801	6.500	92.926	990.487	70.572	4.902	65.670
2037	45865	3117.951	216.831	2901.120	6.325	93.046	959.297	66.464	4.535	61.929
2038	44409	2949.775	203.847	2745.928	6.183	93.089	928.213	62.876	4.261	58.615
2039	43008	2766.312	191.176	2575.136	5.988	93.089	897.489	58.905	3.989	54.916

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: STROKE, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	STROKE
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	1361481	104899.750	51549.614	53350.14	3.919	50.858	371.998	28.800	14.085	14.715

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	33504	3293.017	3293.017	0.000	0.000	0.000	490.678	48.227	48.227	0.000
1991	32505	3207.063	3179.557	27.506	0.085	0.858	469.694	46.342	45.944	0.397
1992	32560	3218.125	3141.237	76.888	0.236	2.389	464.104	45.871	44.774	1.096
1993	32768	3226.680	3081.112	145.568	0.444	4.511	460.482	45.344	43.298	2.046
1994	33006	3277.266	3045.166	232.100	0.703	7.082	456.920	45.370	42.156	3.214
1995	33732	3309.378	2976.824	332.554	0.986	10.049	459.725	45.104	40.570	4.534
1996	33754	3312.987	2863.417	449.570	1.332	13.570	454.035	44.568	38.517	6.051
1997	33705	3267.066	2704.181	562.885	1.670	17.229	447.080	43.341	35.870	7.471
1998	33282	3178.725	2507.746	670.979	2.016	21.108	435.246	41.577	32.795	8.781
1999	33902	3120.351	2339.332	781.019	2.304	25.030	437.368	40.264	30.179	10.085
2000	33842	3142.808	2229.433	913.376	2.699	29.062	431.143	40.050	28.402	11.648
2001	32525	2961.588	1980.940	980.648	3.015	33.112	409.735	37.323	24.955	12.368
2002	32103	2940.627	1838.317	1102.311	3.434	37.486	400.409	36.695	22.929	13.767
2003	30598	2819.545	1646.024	1173.520	3.835	41.621	378.021	34.855	20.336	14.519
2004	29423	2730.466	1481.106	1249.360	4.246	45.756	359.838	33.417	18.114	15.304
2005	27994	2670.510	1344.284	1326.226	4.738	49.662	338.529	32.322	16.256	16.066
2006	27247	2623.285	1223.075	1400.211	5.139	53.376	326.577	31.474	14.659	16.814
2007	26354	2536.599	1091.498	1445.101	5.483	56.970	312.675	30.131	12.950	17.181
2008	26058	2469.443	982.959	1486.485	5.705	60.195	305.757	29.015	11.534	17.481
2009	25106	2386.945	876.395	1510.550	6.017	63.284	291.220	27.730	10.166	17.565
2010	24915	2329.274	788.995	1540.279	6.182	66.127	285.632	26.750	9.045	17.705
2011	24876	2286.581	709.739	1576.842	6.339	68.961	282.447	26.013	8.059	17.955
2012	24593	2243.311	637.760	1605.551	6.529	71.571	276.315	25.260	7.166	18.094
2013	24554	2176.503	567.211	1609.293	6.554	73.939	272.859	24.245	6.303	17.942
2014	25415	2211.619	529.415	1682.204	6.619	76.062	279.254	24.366	5.817	18.549
2015	26453	2237.016	497.313	1739.703	6.577	77.769	324.759	27.554	6.105	21.448
2016	26887	2229.057	457.327	1771.730	6.589	79.483	326.849	27.194	5.559	21.635
2017	27789	2221.649	421.782	1799.867	6.477	81.015	334.505	26.848	5.077	21.770
2018	25429	1939.420	342.694	1596.726	6.279	82.330	303.090	23.214	4.085	19.130
2019	25619	1904.400	310.751	1593.648	6.221	83.682	302.300	22.574	3.667	18.908
2020	25587	1806.054	275.461	1530.593	5.982	84.748	341.810	24.261	3.680	20.581
2021	25674	1748.172	247.430	1500.743	5.845	85.846	340.366	23.314	3.280	20.034
2022	25783	1701.148	224.689	1476.459	5.726	86.792	339.078	22.515	2.955	19.560
2023	25883	1652.087	205.345	1446.742	5.590	87.571	337.610	21.696	2.678	19.018
2024	25940	1597.127	186.257	1410.870	5.439	88.338	335.628	20.814	2.410	18.404
2025	25560	1467.622	162.312	1305.310	5.107	88.940	381.130	22.075	2.420	19.654
2026	25804	1390.505	146.117	1244.388	4.822	89.492	383.125	20.835	2.169	18.666
2027	25606	1342.095	133.864	1208.231	4.719	90.026	378.471	20.030	1.979	18.051
2028	25382	1289.536	122.902	1166.634	4.596	90.469	373.397	19.165	1.808	17.357
2029	25145	1242.216	113.289	1128.927	4.490	90.880	368.087	18.380	1.658	16.722
2030	24352	1096.803	95.384	1001.420	4.112	91.303	421.151	19.210	1.650	17.561
2031	24381	1019.991	86.054	933.937	3.831	91.563	420.825	17.841	1.485	16.356
2032	24050	977.406	79.629	897.777	3.733	91.853	414.066	17.063	1.371	15.692
2033	23711	937.450	74.846	862.604	3.638	92.016	406.985	16.326	1.285	15.041
2034	23346	900.763	70.264	830.499	3.557	92.200	399.398	15.644	1.202	14.442
2035	22211	745.023	56.035	688.988	3.102	92.479	464.095	15.845	1.171	14.674
2036	21387	680.360	49.719	630.640	2.949	92.692	447.247	14.492	1.040	13.452
2037	20889	644.109	46.423	597.687	2.861	92.793	436.900	13.730	0.971	12.759
2038	20391	612.448	43.778	568.670	2.789	92.852	426.199	13.055	0.915	12.140
2039	19901	577.529	41.210	536.319	2.695	92.864	415.280	12.298	0.860	11.438

Results for PHIM for Run 8 (Sensitivity_Analysis_4.RTF)

Main Results for E-Component for Run: 8, Simulation: 1, COD: COPD, Adjusted

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Cause of Death	COPD
5. Effective Dose NULL	CC:1
6. Effective Dose Ecig	CC:1 Ecig:0.05 Dual:0.525
Note:	Death rates are per million population

Results for Age Groups Combined and Years combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
All Comb	2181349	862051.244	555497.385	306553.9	14.053	35.561	596.011	236.673	151.779	84.894

Results for Age Groups Combined, Population and Number deaths adjusted for Ecig scenario,

Age Group:All	NULL	Ecig	%Drop				NULL	Ecig	Drop	
Year	Number	Attrib	Attrib	Drop	%Drop	Attrib	Death	Attrib	Attrib	Drop
	Deaths	Deaths	Deaths	Deaths	Deaths	Deaths	Rate	Rates	Rates	Rates
1990	24738	10694.712	10694.712	0.000	0.000	0.000	362.296	156.628	156.628	0.000
1991	26562	11602.933	11584.706	18.227	0.069	0.157	383.818	167.661	167.398	0.263
1992	26828	11831.375	11781.202	50.173	0.187	0.424	382.401	168.642	167.926	0.716
1993	29774	13246.371	13138.249	108.123	0.363	0.816	418.408	186.148	184.627	1.521
1994	29805	13355.662	13183.994	171.668	0.576	1.285	412.606	184.893	182.513	2.381
1995	29757	13397.439	13142.662	254.778	0.856	1.902	405.549	182.598	179.118	3.480
1996	30903	13960.356	13604.609	355.746	1.151	2.548	415.697	187.801	183.002	4.799
1997	31133	14109.552	13644.771	464.781	1.493	3.294	412.976	187.180	180.994	6.186
1998	32104	14599.657	13991.633	608.025	1.894	4.165	419.844	190.958	182.976	7.982
1999	34628	15728.102	14939.363	788.739	2.278	5.015	446.736	202.950	192.730	10.220
2000	34316	15579.803	14642.017	937.786	2.733	6.019	437.174	198.541	186.535	12.006
2001	34614	15696.614	14567.163	1129.452	3.263	7.196	436.050	197.812	183.508	14.304
2002	34319	15519.777	14208.865	1310.912	3.820	8.447	428.057	193.668	177.224	16.445
2003	35110	15888.389	14339.419	1548.970	4.412	9.749	433.777	196.413	177.158	19.255
2004	33555	15091.573	13410.438	1681.135	5.010	11.140	410.370	184.701	164.007	20.694
2005	35446	15803.656	13795.032	2008.624	5.667	12.710	428.650	191.278	166.822	24.456
2006	34043	15100.563	12962.138	2138.425	6.282	14.161	408.027	181.174	155.359	25.815
2007	34073	14974.384	12608.608	2365.775	6.943	15.799	404.246	177.871	149.592	28.279
2008	37518	16406.197	13568.252	2837.945	7.564	17.298	440.221	192.768	159.206	33.561
2009	36930	16083.194	13000.150	3083.044	8.348	19.169	428.368	186.846	150.795	36.051
2010	36906	15927.400	12622.951	3304.449	8.954	20.747	423.101	182.917	144.714	38.203
2011	37771	16221.836	12550.788	3671.048	9.719	22.630	428.860	184.547	142.504	42.043
2012	38419	16358.849	12352.189	4006.661	10.429	24.492	431.655	184.202	138.784	45.418
2013	40291	16994.822	12494.025	4500.797	11.171	26.483	447.732	189.311	138.839	50.471
2014	40282	16855.093	12052.040	4803.054	11.924	28.496	442.610	185.696	132.427	53.269
2015	42430	17572.483	12287.229	5285.254	12.456	30.077	520.910	216.445	150.850	65.595
2016	42860	17579.955	11905.987	5673.968	13.238	32.275	521.012	214.473	144.732	69.742
2017	44653	18080.688	11855.389	6225.300	13.942	34.431	537.505	218.496	142.708	75.788
2018	45683	18209.262	11588.890	6620.372	14.492	36.357	544.502	217.960	138.130	79.830
2019	47240	18648.302	11473.881	7174.421	15.187	38.472	557.422	221.054	135.389	85.665
2020	48740	19002.597	11352.920	7649.677	15.695	40.256	651.105	255.266	151.662	103.604
2021	48780	18885.717	10862.937	8022.780	16.447	42.481	646.674	251.867	144.011	107.856
2022	50195	19235.076	10672.590	8562.486	17.058	44.515	660.127	254.582	140.357	114.224
2023	51620	19521.158	10464.844	9056.314	17.544	46.392	673.317	256.363	136.499	119.863
2024	52987	19918.620	10263.016	9655.604	18.222	48.475	685.570	259.583	132.787	126.797
2025	54032	20150.545	10012.155	10138.39	18.764	50.313	805.687	303.086	149.295	153.791
2026	54935	20393.792	9714.365	10679.43	19.440	52.366	815.638	305.582	144.232	161.350
2027	55808	20615.351	9394.728	11220.62	20.106	54.428	824.881	307.668	138.860	168.809
2028	56626	20731.894	9032.529	11699.36	20.661	56.432	833.040	308.115	132.880	175.234
2029	57405	20781.967	8650.995	12130.97	21.132	58.373	840.339	307.495	126.641	180.854
2030	57694	20753.201	8280.408	12472.79	21.619	60.101	997.755	363.487	143.201	220.286
2031	59321	21048.417	8159.577	12888.84	21.727	61.234	1023.91	368.165	140.837	227.327
2032	59883	21169.329	7826.300	13343.03	22.282	63.030	1030.97	369.560	134.742	234.818
2033	60405	21109.293	7459.045	13650.25	22.598	64.665	1036.82	367.618	128.032	239.586
2034	60852	21109.429	7096.523	14012.91	23.028	66.382	1041.02	366.613	121.404	245.209
2035	60238	20794.840	6717.829	14077.01	23.369	67.695	1258.69	442.268	140.371	301.897
2036	57318	19354.577	5985.274	13369.30	23.325	69.076	1198.66	412.258	125.167	287.091
2037	57313	19064.169	5554.604	13509.57	23.571	70.864	1198.74	406.385	116.178	290.207
2038	57276	18854.812	5205.849	13648.96	23.830	72.390	1197.17	401.900	108.811	293.089
2039	57231	18437.457	4799.549	13637.91	23.830	73.968	1194.28	392.602	100.156	292.446

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

Estimated Loss of Life from the E Component for Run: 2, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	24750042.607	17343505.3
	Female	2039	23817891.273	14797878.376	9020012.90
Lung cancer	Males	2039	18222549.860	13636145.173	4586404.69
	Female	2039	12512468.845	8920007.375	3592461.47
IHD	Males	2039	15635992.616	6347207.742	9288784.87
	Female	2039	4798769.065	2021012.822	2777756.24
Stroke	Males	2039	2389546.238	1126000.737	1263545.50
	Female	2039	1665361.569	835705.244	829656.325
COPD	Males	2039	5845459.234	3640688.955	2204770.28
	Female	2039	4841291.793	3021152.934	1820138.86

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	24848023.106	17245524.8
	Female	2039	23817891.273	14834741.578	8983149.69
Lung cancer	Males	2039	18222549.860	13696520.338	4526029.52
	Female	2039	12512468.845	8942975.028	3569493.82
IHD	Males	2039	15635992.616	6358232.973	9277759.64
	Female	2039	4798769.065	2022858.745	2775910.32
Stroke	Males	2039	2389546.238	1128139.172	1261407.07
	Female	2039	1665361.569	836369.172	828992.397
COPD	Males	2039	5845459.234	3665130.624	2180328.61
	Female	2039	4841291.793	3032538.634	1808753.16

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.527	8673.830
		1992	3830683.831	3798433.770	32250.061
		1993	5076567.803	5000942.912	75624.891
		1994	6292145.526	6149965.471	142180.055
		1995	7485537.010	7250133.244	235403.765
		1996	8655955.028	8299428.436	356526.592
		1997	9791729.713	9287371.184	504358.529
		1998	10899134.186	10221631.097	677503.089
		1999	12070409.674	11161433.419	908976.255
		2000	13231384.595	12060685.729	1170698.87
		2001	14371761.018	12909573.927	1462187.09
		2002	15508906.386	13720701.000	1788205.39
		2003	16638100.422	14494346.601	2143753.82
		2004	17736465.088	15220157.670	2516307.42
		2005	18834658.606	15919622.000	2915036.61
		2006	19909100.501	16572790.633	3336309.87
		2007	20958321.463	17187459.162	3770862.30
		2008	22000068.148	17777899.419	4222168.73
		2009	23018816.903	18335497.155	4683319.75
		2010	24018480.537	18861749.822	5156730.71
		2011	25003034.574	19360363.098	5642671.48
		2012	25969871.429	19830036.447	6139834.98
		2013	26920275.180	20272926.306	6647348.87
		2014	27849005.227	20687283.673	7161721.55
		2015	28749620.400	21076973.925	7672646.48
		2016	29622417.562	21433151.617	8189265.94
		2017	30462559.724	21758563.117	8703996.61
		2018	31293299.299	22070361.791	9222937.51
		2019	32109993.427	22364123.545	9745869.88
		2020	32883323.977	22637135.718	10246188.3
		2021	33610102.554	22872647.751	10737454.8
		2022	34322010.448	23092693.418	11229317.0
		2023	35018383.550	23297410.089	11720973.5
		2024	35700177.955	23487786.550	12212391.4
		2025	36315500.346	23659660.888	12655839.5
		2026	36896159.343	23804323.463	13091835.9
		2027	37462570.116	23937987.678	13524582.4
		2028	38015337.780	24060810.998	13954526.8
		2029	38554814.764	24173657.406	14381157.4
		2030	39003805.400	24270641.356	14733164.0
2031	39436509.703	24351801.663	15084708.0		
2032	39858470.458	24426281.339	15432189.1		
2033	40270147.082	24493868.255	15776278.8		
2034	40672665.743	24555274.935	16117390.8		
2035	40962732.664	24602742.361	16359990.3		
2036	41255021.653	24644645.378	16610376.3		
2037	41540573.023	24683182.299	16857390.7		
2038	41820158.066	24718205.274	17101952.8		
2039	42093547.949	24750042.607	17343505.3		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.223	2965.030
		1992	1777346.679	1766095.972	11250.708
		1993	2380261.899	2353262.174	26999.725
		1994	2983130.039	2931318.012	51812.027
		1995	3588982.584	3501950.709	87031.875
		1996	4195430.235	4060555.280	134874.954
		1997	4793866.694	4600663.426	193203.268
		1998	5389747.381	5126512.750	263234.631
		1999	6006722.467	5652692.893	354029.574
		2000	6625758.871	6167983.534	457775.336
		2001	7245135.411	6668428.358	576707.053
		2002	7867492.021	7156159.733	711332.288
		2003	8485051.793	7626394.931	858656.862
		2004	9092994.774	8075717.938	1017276.84
		2005	9706032.803	8515378.561	1190654.24
		2006	10311907.548	8935696.166	1376211.38
		2007	10909437.502	9338736.641	1570700.86
		2008	11506462.491	9726361.379	1780101.11
		2009	12098393.287	10100407.074	1997986.21
		2010	12681188.981	10456172.342	2225016.64

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

		2011	13260062.991	10796655.027	2463407.96
		2012	13839417.441	11124442.482	2714974.96
		2013	14409614.758	11436366.921	2973247.84
		2014	14976658.746	11732852.295	3243806.45
		2015	15529977.821	12012535.438	3517442.38
		2016	16066640.764	12271569.006	3795071.76
		2017	16590035.078	12513527.096	4076507.98
		2018	17098716.137	12741829.502	4356886.63
		2019	17599868.850	12957119.058	4642749.79
		2020	18081346.241	13158387.963	4922958.28
		2021	18537594.460	13339079.957	5198514.50
		2022	18985300.234	13508231.953	5477068.28
		2023	19423958.747	13666258.106	5757700.64
		2024	19853347.772	13813024.910	6040322.86
		2025	20252822.245	13946958.644	6305863.60
		2026	20619307.063	14062145.231	6557161.83
		2027	20976063.406	14168255.490	6807807.92
		2028	21323641.947	14266233.804	7057408.14
		2029	21662117.106	14355988.267	7306128.84
		2030	21960971.694	14434796.239	7526175.45
		2031	22224951.983	14498164.202	7726787.78
		2032	22480397.853	14555590.521	7924807.33
		2033	22728639.455	14607959.022	8120680.43
		2034	22970448.888	14655307.034	8315141.85
		2035	23164154.188	14693699.862	8470454.33
		2036	23334538.616	14723710.634	8610827.98
		2037	23499760.723	14750853.355	8748907.37
		2038	23660308.401	14775482.856	8884825.55
		2039	23817891.273	14797878.376	9020012.90
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.214	647.899
		1992	1750034.892	1747588.511	2446.381
		1993	2319752.308	2313793.394	5958.913
		1994	2872597.339	2861044.702	11552.637
		1995	3411494.825	3391836.816	19658.010
		1996	3945569.726	3914493.862	31075.864
		1997	4463316.362	4417527.455	45788.907
		1998	4975301.180	4910805.533	64495.647
		1999	5473691.125	5386264.500	87426.625
		2000	5977500.570	5861399.089	116101.481
		2001	6474795.516	6324323.397	150472.119
		2002	6968769.705	6777526.235	191243.470
		2003	7460282.140	7221038.441	239243.698
		2004	7947048.275	7652751.153	294297.123
		2005	8430571.669	8073635.705	356935.963
		2006	8903945.390	8476979.716	426965.674
		2007	9364177.982	8860543.558	503634.424
		2008	9822525.458	9232912.943	589612.516
		2009	10275228.886	9591185.789	684043.098
		2010	10720275.500	9934066.395	786209.105
		2011	11155356.373	10259662.559	895693.815
		2012	11582611.617	10568656.402	1013955.21
		2013	11998803.791	10859519.077	1139284.71
		2014	12402087.090	11131615.924	1270471.17
		2015	12793451.706	11386797.121	1406654.58
		2016	13160101.653	11616345.975	1543755.68
		2017	13503583.414	11822692.513	1680890.90
		2018	13859755.737	12025677.141	1834078.60
		2019	14211625.176	12216928.926	1994696.25
		2020	14553935.288	12395329.991	2158605.30
		2021	14851747.495	12542488.171	2309259.32
		2022	15144531.004	12679564.858	2464966.15
		2023	15431932.496	12806689.335	2625243.16
		2024	15713920.740	12924454.213	2789466.53
		2025	15979112.816	13030968.560	2948144.26
		2026	16206550.153	13115474.298	3091075.86
		2027	16428826.050	13193020.181	3235805.87
		2028	16645902.186	13263859.192	3382042.99
		2029	16858126.517	13328664.862	3529461.66
		2030	17045220.687	13384476.463	3660744.22
		2031	17208482.610	13428106.350	3780376.26
		2032	17367586.074	13467887.752	3899698.32
		2033	17522716.280	13503833.741	4018882.54
		2034	17674226.555	13536424.565	4137801.99
		2035	17792201.734	13561702.648	4230499.09
		2036	17903508.236	13582927.760	4320580.48
		2037	18012162.345	13602427.163	4409735.18
		2038	18118464.470	13620095.728	4498368.74

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

	Female	2039	18222549.860	13636145.173	4586404.69
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.920	416.498
		1992	931086.773	929437.066	1649.707
		1993	1246155.671	1242093.564	4062.107
		1994	1561212.934	1553213.491	7999.443
		1995	1879967.742	1866031.791	13935.951
		1996	2197488.109	2175330.581	22157.528
		1997	2515698.453	2482607.570	33090.883
		1998	2836249.556	2789165.572	47083.984
		1999	3150201.390	3086073.718	64127.671
		2000	3472722.342	3387448.699	85273.644
		2001	3796994.889	3686137.621	110857.269
		2002	4126619.935	3984984.820	141635.115
		2003	4454982.533	4277776.268	177206.266
		2004	4784343.030	4565942.574	218400.456
		2005	5113443.121	4848134.295	265308.826
		2006	5442543.963	5123739.437	318804.526
		2007	5772441.497	5393458.421	378983.075
		2008	6091911.943	5647982.860	443929.083
		2009	6413671.330	5896907.024	516764.306
		2010	6730763.530	6135506.013	595257.517
		2011	7043614.101	6363537.535	680076.566
		2012	7356270.780	6583900.357	772370.423
		2013	7662551.964	6792393.741	870158.222
		2014	7964551.465	6990607.388	973944.077
		2015	8254895.403	7175038.568	1079856.84
		2016	8530661.848	7343073.360	1187588.49
		2017	8795826.122	7498279.115	1297547.01
		2018	9067233.707	7649252.057	1417981.65
		2019	9335343.270	7791302.460	1544040.81
		2020	9596110.883	7923933.240	1672177.64
		2021	9833186.859	8039550.475	1793636.38
		2022	10066452.037	8147361.199	1919090.84
		2023	10295503.609	8247650.459	2047853.15
		2024	10520125.318	8340354.046	2179771.27
		2025	10731915.863	8424510.694	2307405.17
		2026	10917495.549	8494369.212	2423126.34
		2027	11098620.885	8558362.130	2540258.75
		2028	11275441.234	8617135.374	2658305.86
		2029	11447962.710	8670666.058	2777296.65
		2030	11601867.623	8717229.882	2884637.74
		2031	11731666.516	8753343.118	2978323.40
		2032	11857585.969	8785944.837	3071641.13
		2033	11980128.625	8815554.626	3164574.00
		2034	12099562.464	8842239.242	3257323.22
		2035	12195919.946	8863513.437	3332406.51
		2036	12278201.969	8879755.506	3398446.46
		2037	12358146.336	8894470.892	3463675.44
		2038	12435978.633	8907836.207	3528142.43
		2039	12512468.845	8920007.375	3592461.47
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.384	7103.011
		1992	1509598.614	1483223.353	26375.261
		1993	1992735.299	1931291.523	61443.776
		1994	2462877.575	2348230.604	114646.971
		1995	2928249.390	2739576.131	188673.258
		1996	3377377.730	3093747.374	283630.356
		1997	3809062.472	3410946.064	398116.408
		1998	4222213.867	3691938.681	530275.186
		1999	4708317.743	3995740.097	712577.646
		2000	5182084.396	4267459.437	914624.959
		2001	5644097.705	4507417.672	1136680.03
		2002	6107232.129	4724828.258	1382403.87
		2003	6561785.704	4916872.529	1644913.18
		2004	6996156.348	5082341.634	1913814.71
		2005	7426261.361	5230352.761	2195908.60
		2006	7849012.694	5360001.556	2489011.14
		2007	8255300.530	5471949.489	2783351.04
		2008	8650662.040	5570198.557	3080463.48
		2009	9030818.513	5655746.462	3375072.05
		2010	9403026.327	5731620.221	3671406.11
		2011	9767535.506	5798828.986	3968706.52
		2012	10123044.281	5858617.884	4264426.40
		2013	10470104.786	5911746.278	4558358.51
		2014	10807756.112	5959156.446	4848599.67
		2015	11130681.425	6001169.686	5129511.74
		2016	11448966.506	6039234.398	5409732.11

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

		2017	11758164.882	6073616.955	5684547.93
		2018	12054448.241	6103506.857	5950941.38
		2019	12341606.261	6130568.014	6211038.25
		2020	12600728.939	6153846.589	6446882.35
		2021	12861767.105	6175611.643	6686155.46
		2022	13114168.616	6195538.296	6918630.32
		2023	13357894.797	6213675.942	7144218.85
		2024	13593848.521	6230292.164	7363556.36
		2025	13789177.359	6243853.345	7545324.01
		2026	13993401.656	6257223.265	7736178.39
		2027	14190519.224	6269771.956	7920747.27
		2028	14381193.356	6281336.880	8099856.48
		2029	14565171.927	6291874.905	8273297.02
		2030	14697381.605	6299585.655	8397795.95
		2031	14842203.512	6307737.930	8534465.58
		2032	14982485.826	6315526.745	8666959.08
		2033	15118410.647	6322669.810	8795740.84
		2034	15250284.398	6329124.232	8921160.17
		2035	15322911.166	6332748.075	8990163.09
		2036	15405115.031	6336695.546	9068419.49
		2037	15484709.137	6340486.086	9144223.05
		2038	15561812.193	6344012.983	9217799.21
		2039	15635992.616	6347207.742	9288784.87
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.305	1865.158
		1992	439962.920	432980.229	6982.691
		1993	584735.615	568175.829	16559.786
		1994	727640.783	696324.097	31316.685
		1995	868486.937	816722.014	51764.923
		1996	1010321.847	930872.328	79449.520
		1997	1144230.930	1032424.514	111806.416
		1998	1274513.622	1124654.840	149858.782
		1999	1426725.938	1224817.182	201908.756
		2000	1573462.680	1314376.662	259086.018
		2001	1719132.015	1395171.726	323960.289
		2002	1863006.732	1467612.445	395394.287
		2003	2002943.227	1531478.462	471464.766
		2004	2137798.705	1587142.465	550656.240
		2005	2271071.245	1637147.336	633923.909
		2006	2400707.731	1680659.896	720047.835
		2007	2523634.512	1717936.594	805697.918
		2008	2648752.232	1752043.285	896708.947
		2009	2765973.961	1781134.717	984839.244
		2010	2881329.235	1807151.256	1074177.98
		2011	2994972.694	1830320.922	1164651.77
		2012	3108958.829	1851323.381	1257635.45
		2013	3218140.416	1869908.138	1348232.28
		2014	3328387.914	1887018.799	1441369.12
		2015	3435342.796	1902565.516	1532777.28
		2016	3539189.408	1916526.213	1622663.20
		2017	3640041.363	1929063.977	1710977.39
		2018	3732645.362	1939695.702	1792949.66
		2019	3821421.978	1949169.436	1872252.54
		2020	3902115.950	1957359.113	1944756.84
		2021	3984301.053	1965145.324	2019155.73
		2022	4062629.299	1972084.560	2090544.74
		2023	4137348.729	1978332.622	2159016.11
		2024	4208611.493	1983933.633	2224677.86
		2025	4269419.492	1988628.364	2280791.13
		2026	4330969.998	1993106.297	2337863.70
		2027	4389134.306	1997130.967	2392003.34
		2028	4444222.970	2000778.395	2443444.57
		2029	4496447.877	2004099.224	2492348.65
		2030	4536975.698	2006657.373	2530318.33
		2031	4578338.586	2009153.031	2569185.55
		2032	4617397.784	2011434.249	2605963.53
		2033	4654407.697	2013539.796	2640867.90
		2034	4689913.454	2015491.190	2674422.26
		2035	4712518.190	2016714.683	2695803.51
		2036	4735845.827	2017917.451	2717928.38
		2037	4757958.806	2019025.020	2738933.79
		2038	4778813.806	2020053.167	2758760.64
		2039	4798769.065	2021012.822	2777756.24
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.129	719.889
		1992	222966.278	220289.412	2676.866
		1993	296801.879	290425.146	6376.732
		1994	372453.706	360102.827	12350.879

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

	1995	448401.338	427517.224	20884.114
	1996	523536.301	491398.001	32138.300
	1997	596763.211	550661.650	46101.561
	1998	667546.681	604944.995	62601.686
	1999	734925.407	653704.801	81220.606
	2000	803749.361	700543.478	103205.882
	2001	870081.588	742647.556	127434.033
	2002	935347.140	781240.200	154106.940
	2003	1001627.349	817411.496	184215.854
	2004	1066587.976	850230.746	216357.230
	2005	1130548.052	879960.409	250587.642
	2006	1195132.454	907453.617	287678.837
	2007	1258974.043	932339.042	326635.001
	2008	1320124.867	954044.555	366080.312
	2009	1380776.123	973731.513	407044.611
	2010	1440048.533	991358.341	448690.192
	2011	1497484.847	1007002.523	490482.323
	2012	1554496.526	1021082.114	533414.413
	2013	1610819.598	1033787.812	577031.785
	2014	1667484.890	1045383.866	622101.024
	2015	1720948.287	1055533.271	665415.016
	2016	1775699.228	1064992.766	710706.463
	2017	1830250.175	1073637.499	756612.676
	2018	1875958.950	1080330.875	795628.075
	2019	1920359.232	1086319.873	834039.358
	2020	1960605.297	1091417.256	869188.041
	2021	1998912.887	1095894.353	903018.534
	2022	2036003.696	1099903.441	936100.255
	2023	2071857.536	1103493.049	968364.488
	2024	2106636.468	1106739.824	999896.645
	2025	2136450.873	1109400.824	1027050.05
	2026	2164796.470	1111760.843	1053035.63
	2027	2192079.608	1113912.532	1078167.08
	2028	2218404.367	1115856.322	1102548.04
	2029	2243769.140	1117614.782	1126154.36
	2030	2263570.213	1118953.400	1144616.81
	2031	2282521.590	1120174.726	1162346.86
	2032	2300804.945	1121302.980	1179501.96
	2033	2318464.018	1122331.265	1196132.75
	2034	2335611.973	1123270.092	1212341.88
	2035	2347097.290	1123893.758	1223203.53
	2036	2358248.747	1124475.017	1233773.73
	2037	2369033.655	1125024.664	1244008.99
	2038	2379490.114	1125535.239	1253954.87
	2039	2389546.238	1126000.737	1263545.50
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.680	515.182
	1992	165654.454	163676.441	1978.014
	1993	220008.519	215283.320	4725.199
	1994	275706.807	266523.419	9183.387
	1995	331417.547	315917.313	15500.234
	1996	387580.161	363578.465	24001.696
	1997	442778.242	408221.080	34557.162
	1998	496117.305	449175.637	46941.668
	1999	548268.214	487018.811	61249.403
	2000	601693.202	523571.185	78122.017
	2001	652221.103	555958.003	96263.100
	2002	703022.600	586281.580	116741.020
	2003	752023.351	613449.847	138573.504
	2004	799826.733	637950.500	161876.233
	2005	847563.928	660572.441	186991.487
	2006	894205.027	680916.426	213288.601
	2007	939571.282	699067.816	240503.466
	2008	983437.578	715192.620	268244.958
	2009	1025803.786	729485.750	296318.036
	2010	1066964.934	742172.897	324792.038
	2011	1106954.044	753433.162	353520.883
	2012	1146108.461	763540.322	382568.139
	2013	1183544.689	772416.600	411128.090
	2014	1221220.945	780580.845	440640.100
	2015	1258289.311	788053.033	470236.279
	2016	1294830.207	794814.163	500016.044
	2017	1330332.626	800858.931	529473.695
	2018	1360571.987	805625.904	554946.084
	2019	1389848.723	809861.561	579987.161
	2020	1416046.192	813439.296	602606.897
	2021	1440588.850	816536.503	624052.347
	2022	1464157.934	819285.836	644872.098

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

		2023	1486810.237	821749.977	665060.261
		2024	1508591.729	823946.655	684645.074
		2025	1526875.621	825726.417	701149.204
		2026	1543659.810	827247.771	716412.038
		2027	1559623.774	828605.724	731018.050
		2028	1574852.850	829827.756	745025.095
		2029	1589437.452	830929.732	758507.720
		2030	1600568.199	831750.999	768817.201
		2031	1610776.297	832464.062	778312.234
		2032	1620483.563	833111.151	787372.412
		2033	1629745.442	833702.933	796042.509
		2034	1638721.425	834246.680	804474.745
		2035	1644649.404	834596.833	810052.571
		2036	1650181.590	834905.948	815275.642
		2037	1655476.066	835191.323	820284.743
		2038	1660507.914	835457.124	825050.790
		2039	1665361.569	835705.244	829656.325
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.801	203.032
		1992	348084.047	347332.494	751.553
		1993	467278.318	465432.848	1845.470
		1994	584216.907	580587.339	3629.568
		1995	697391.457	691203.073	6188.384
		1996	809471.271	799789.199	9682.072
		1997	922587.668	908236.014	14351.653
		1998	1034072.457	1013941.888	20130.569
		1999	1153475.399	1125724.021	27751.378
		2000	1268050.268	1231283.724	36766.544
		2001	1382786.209	1335185.302	47600.907
		2002	1497557.412	1437106.308	60451.104
		2003	1614405.229	1539024.135	75381.094
		2004	1726672.489	1634834.137	91838.352
		2005	1847277.524	1735673.123	111604.401
		2006	1961009.963	1828355.744	132654.219
		2007	2079868.908	1922627.072	157241.836
		2008	2206755.783	2020743.365	186012.418
		2009	2331993.380	2114833.392	217159.989
	2010	2455130.176	2204704.864	250425.312	
	2011	2582657.849	2294869.030	287788.819	
	2012	2709719.005	2381680.047	328038.958	
	2013	2840547.005	2467873.139	372673.867	
	2014	2971677.135	2551127.437	420549.698	
	2015	3104538.983	2633473.846	471065.137	
	2016	3237650.175	2712578.478	525071.697	
	2017	3370561.253	2788616.151	581945.102	
	2018	3503136.371	2860846.919	642289.452	
	2019	3636402.758	2930306.732	706096.026	
	2020	3768054.453	2996541.882	771512.571	
	2021	3897675.067	3058653.584	839021.483	
	2022	4027307.132	3117686.823	909620.309	
	2023	4156698.720	3173551.763	983146.957	
	2024	4285772.226	3226300.349	1059471.88	
	2025	4410759.298	3275438.158	1135321.14	
	2026	4531411.064	3319865.057	1211546.01	
	2027	4651145.233	3361283.009	1289862.22	
	2028	4769837.872	3399758.604	1370079.27	
	2029	4887747.179	3435502.858	1452244.32	
2030	4997632.895	3467625.838	1530007.06		
2031	5103301.991	3495782.657	1607519.33		
2032	5207593.613	3521563.862	1686029.75		
2033	5310556.138	3545033.439	1765522.70		
2034	5412542.816	3566456.046	1846086.77		
2035	5500522.473	3584397.881	1916124.59		
2036	5588149.640	3600547.055	1987602.58		
2037	5674667.886	3615244.386	2059423.50		
2038	5760391.289	3628561.324	2131829.97		
2039	5845459.234	3640688.955	2204770.28		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.318	168.192
		1992	240642.531	240002.236	640.296
		1993	329362.093	327709.461	1652.633
		1994	418569.515	415257.004	3312.511
		1995	509110.357	503279.590	5830.767
		1996	600040.117	590773.906	9266.211
		1997	691159.071	677410.263	13748.808
		1998	782866.899	763516.701	19350.197
		1999	881526.925	854783.181	26743.744
		2000	977880.647	942586.989	35293.658

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

2001	1076787.404	1031161.009	45626.395
2002	1174842.754	1117280.888	57561.866
2003	1275102.681	1203690.355	71412.326
2004	1371026.306	1284682.399	86343.906
2005	1473954.509	1369524.488	104430.021
2006	1574450.828	1450380.408	124070.420
2007	1673790.211	1528273.809	145516.402
2008	1782360.738	1611142.615	171218.123
2009	1892944.209	1692879.583	200064.626
2010	2002131.282	1771342.177	230789.105
2011	2114522.152	1849363.409	265158.744
2012	2228079.372	1925678.422	302400.950
2013	2345377.689	2001648.443	343729.246
2014	2462498.422	2074645.263	387853.159
2015	2581450.312	2146878.322	434571.990
2016	2701959.301	2217155.270	484804.031
2017	2823834.967	2285325.073	538509.894
2018	2938265.081	2347255.840	591009.241
2019	3053254.880	2406785.600	646469.279
2020	3167073.216	2463656.315	703416.901
2021	3279517.699	2517847.656	761670.044
2022	3392060.964	2569500.358	822560.606
2023	3504296.171	2618525.048	885771.124
2024	3616019.231	2664790.576	951228.655
2025	3724611.269	2708093.168	1016518.10
2026	3827181.707	2747421.950	1079759.76
2027	3928684.441	2784156.669	1144527.77
2028	4029124.892	2818492.279	1210632.61
2029	4128269.068	2850293.253	1277975.81
2030	4221560.174	2879157.986	1342402.19
2031	4304170.584	2903203.992	1400966.59
2032	4384930.537	2925100.283	1459830.25
2033	4464357.691	2945161.667	1519196.02
2034	4542251.545	2963329.922	1578921.62
2035	4611066.648	2978874.910	1632191.74
2036	4670309.230	2991131.730	1679177.50
2037	4728179.514	3002166.119	1726013.40
2038	4785008.048	3012136.359	1772871.69
2039	4841291.793	3021152.934	1820138.86

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.527	8673.830
		1992	3830683.831	3798445.708	32238.123
		1993	5076567.803	5000997.169	75570.634
		1994	6292145.526	6150115.056	142030.471
		1995	7485537.010	7250454.871	235082.138
		1996	8655955.028	8300022.424	355932.604
		1997	9791729.713	9288356.188	503373.525
		1998	10899134.186	10223142.588	675991.598
		1999	12070409.674	11163660.393	906749.282
		2000	13231384.595	12063830.334	1167554.26
		2001	14371761.018	12913835.234	1457925.78
		2002	15508906.386	13726298.340	1782608.05
		2003	16638100.422	14501502.771	2136597.65
		2004	17736465.088	15229072.184	2507392.90
		2005	18834658.606	15930534.720	2904123.89
		2006	19909100.501	16585872.714	3323227.79
		2007	20958321.463	17202892.255	3755429.21
		2008	22000068.148	17795905.195	4204162.95
		2009	23018816.903	18356244.173	4662572.73
		2010	24018480.537	18885394.182	5133086.35
		2011	25003034.574	19387057.228	5615977.35
		2012	25969871.429	19859893.491	6109977.94
		2013	26920275.180	20306059.389	6614215.79
		2014	27849005.227	20723770.304	7125234.92
		2015	28749620.400	21116915.992	7632704.41
		2016	29622417.562	21476518.622	8145898.94
		2017	30462559.724	21805319.746	8657239.98
		2018	31293299.299	22120602.671	9172696.63
		2019	32109993.427	22417882.495	9692110.93
		2020	32883323.977	22694429.843	10188894.1
		2021	33610102.554	22933186.815	10676915.7
		2022	34322010.448	23156446.688	11165563.8
		2023	35018383.550	23364331.615	11654051.9
		2024	35700177.955	23557824.565	12142353.4
		2025	36315500.346	23732735.305	12582765.0
		2026	36896159.343	23880057.830	13016101.5
		2027	37462570.116	24016294.852	13446275.3
		2028	38015337.780	24141595.369	13873742.4
		2029	38554814.764	24256821.377	14297993.4
		2030	39003805.400	24356027.533	14647777.9
2031	39436509.703	24439081.064	14997428.6		
2032	39858470.458	24515352.949	15343117.5		
2033	40270147.082	24584620.967	15685526.1		
2034	40672665.743	24647606.765	16025059.0		
2035	40962732.664	24696420.102	16266312.6		
2036	41255021.653	24739509.397	16515512.3		
2037	41540573.023	24779160.287	16761412.7		
2038	41820158.066	24815221.220	17004936.8		
2039	42093547.949	24848023.106	17245524.8		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.223	2965.030
		1992	1777346.679	1766098.000	11248.679
		1993	2380261.899	2353272.042	26989.857
		1994	2983130.039	2931346.761	51783.278
		1995	3588982.584	3502015.430	86967.154
		1996	4195430.235	4060679.663	134750.571
		1997	4793866.694	4600877.653	192989.041
		1998	5389747.381	5126854.227	262893.154
		1999	6006722.467	5653209.078	353513.389
		2000	6625758.871	6168730.732	457028.138
		2001	7245135.411	6669465.055	575670.356
		2002	7867492.021	7157549.874	709942.147
		2003	8485051.793	7628207.381	856844.412
		2004	9092994.774	8078016.999	1014977.78
		2005	9706032.803	8518239.703	1187793.10
		2006	10311907.548	8939185.292	1372722.26
		2007	10909437.502	9342923.912	1566513.59
		2008	11506462.491	9731320.025	1775142.47
		2009	12098393.287	10106208.990	1992184.30
		2010	12681188.981	10462878.448	2218310.53

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

		2011	13260062.991	10804328.034	2455734.96
		2012	13839417.441	11133150.547	2706266.89
		2013	14409614.758	11446166.723	2963448.03
		2014	14976658.746	11743795.929	3232862.82
		2015	15529977.821	12024673.669	3505304.15
		2016	16066640.764	12284921.576	3781719.19
		2017	16590035.078	12528126.003	4061909.07
		2018	17098716.137	12757708.720	4341007.42
		2019	17599868.850	12974307.430	4625561.42
		2020	18081346.241	13176909.939	4904436.30
		2021	18537594.460	13358912.295	5178682.17
		2022	18985300.234	13529383.521	5455916.71
		2023	19423958.747	13688731.215	5735227.53
		2024	19853347.772	13836811.123	6016536.65
		2025	20252822.245	13972045.804	6280776.44
		2026	20619307.063	14088442.886	6530864.18
		2027	20976063.406	14195737.461	6780325.94
		2028	21323641.947	14294874.627	7028767.32
		2029	21662117.106	14385751.467	7276365.64
		2030	21960971.694	14465635.695	7495336.00
		2031	22224951.983	14529917.071	7695034.91
		2032	22480397.853	14588206.634	7892191.22
		2033	22728639.455	14641396.475	8087242.98
		2034	22970448.888	14689515.537	8280933.35
		2035	23164154.188	14728603.114	8435551.07
		2036	23334538.616	14759163.518	8575375.10
		2037	23499760.723	14786813.486	8712947.24
		2038	23660308.401	14811912.312	8848396.09
		2039	23817891.273	14834741.578	8983149.69
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.214	647.899
		1992	1750034.892	1747594.292	2440.600
		1993	2319752.308	2313819.777	5932.530
		1994	2872597.339	2861118.045	11479.294
		1995	3411494.825	3391996.025	19498.800
		1996	3945569.726	3914792.765	30776.960
		1997	4463316.362	4418031.283	45285.079
		1998	4975301.180	4911594.971	63706.209
		1999	5473691.125	5387425.936	86265.189
		2000	5977500.570	5863056.766	114443.804
		2001	6474795.516	6326604.431	148191.085
		2002	6968769.705	6780571.545	188198.160
		2003	7460282.140	7224996.676	235285.464
		2004	7947048.275	7657777.020	289271.255
		2005	8430571.669	8079886.282	350685.387
		2006	8903945.390	8484596.137	419349.253
		2007	9364177.982	8869655.555	494522.427
		2008	9822525.458	9243673.639	578851.819
		2009	10275228.886	9603735.235	671493.651
		2010	10720275.500	9948532.946	771742.554
		2011	11155356.373	10276152.335	879204.038
		2012	11582611.617	10587258.225	995353.392
		2013	11998803.791	10880303.349	1118500.44
		2014	12402087.090	11154636.285	1247450.80
		2015	12793451.706	11412107.663	1381344.04
		2016	13160101.653	11643894.105	1516207.55
		2017	13503583.414	11852420.622	1651162.79
		2018	13859755.737	12057705.375	1802050.36
		2019	14211625.176	12251279.098	1960346.08
		2020	14553935.288	12432011.619	2121923.67
		2021	14851747.495	12581224.926	2270522.57
		2022	15144531.004	12720332.212	2424198.79
		2023	15431932.496	12849451.701	2582480.80
		2024	15713920.740	12969170.554	2744750.19
		2025	15979112.816	13077582.112	2901530.70
		2026	16206550.153	13163658.150	3042892.00
		2027	16428826.050	13242713.335	3186112.72
		2028	16645902.186	13314996.721	3330905.47
		2029	16858126.517	13381182.464	3476944.05
		2030	17045220.687	13438279.060	3606941.63
		2031	17208482.610	13482929.305	3725553.31
		2032	17367586.074	13523670.782	3843915.29
		2033	17522716.280	13560513.046	3962203.23
		2034	17674226.555	13593942.778	4080283.78
		2035	17792201.734	13619935.503	4172266.23
		2036	17903508.236	13641752.976	4261755.26
		2037	18012162.345	13661807.656	4350354.69
		2038	18118464.470	13679992.094	4438472.38

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

	Female	2039	18222549.860	13696520.338	4526029.52
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.920	416.498
		1992	931086.773	929438.182	1648.592
		1993	1246155.671	1242098.975	4056.696
		1994	1561212.934	1553229.372	7983.562
		1995	1879967.742	1866067.971	13899.771
		1996	2197488.109	2175400.719	22087.391
		1997	2515698.453	2482729.919	32968.533
		1998	2836249.556	2789363.461	46886.095
		1999	3150201.390	3086371.548	63829.842
		2000	3472722.342	3387883.362	84838.980
		2001	3796994.889	3686746.578	110248.312
		2002	4126619.935	3985812.368	140807.567
		2003	4454982.533	4278868.961	176113.573
		2004	4784343.030	4567349.269	216993.762
		2005	5113443.121	4849903.414	263539.707
		2006	5442543.963	5125922.061	316621.902
		2007	5772441.497	5396109.844	376331.653
		2008	6091911.943	5651141.844	440770.099
		2009	6413671.330	5900627.822	513043.508
		2010	6730763.530	6139834.279	590929.251
		2011	7043614.101	6368514.567	675099.534
		2012	7356270.780	6589574.891	766695.888
		2013	7662551.964	6798799.262	863752.701
		2014	7964551.465	6997780.520	966770.945
		2015	8254895.403	7183001.207	1071894.20
		2016	8530661.848	7351826.071	1178835.78
		2017	8795826.122	7507833.726	1287992.40
		2018	9067233.707	7659650.161	1407583.55
		2019	9335343.270	7802560.557	1532782.71
		2020	9596110.883	7936064.430	1660046.45
		2021	9833186.859	8052515.883	1780670.98
		2022	10066452.037	8161162.603	1905289.43
		2023	10295503.609	8262285.187	2033218.42
		2024	10520125.318	8355812.331	2164312.99
		2025	10731915.863	8440779.931	2291135.93
		2026	10917495.549	8511366.277	2406129.27
		2027	11098620.885	8576066.337	2522554.55
		2028	11275441.234	8635527.070	2639914.16
		2029	11447962.710	8689718.943	2758243.77
		2030	11601867.623	8736911.666	2864955.96
		2031	11731666.516	8773537.438	2958129.08
		2032	11857585.969	8806620.713	3050965.26
		2033	11980128.625	8836686.041	3143442.58
		2034	12099562.464	8863796.190	3235766.27
		2035	12195919.946	8885449.736	3310470.21
		2036	12278201.969	8901981.309	3376220.66
		2037	12358146.336	8916963.685	3441182.65
		2038	12435978.633	8930575.742	3505402.89
		2039	12512468.845	8942975.028	3569493.82
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.384	7103.011
		1992	1509598.614	1483227.743	26370.871
		1993	1992735.299	1931311.157	61424.142
		1994	2462877.575	2348283.686	114593.889
		1995	2928249.390	2739688.391	188560.999
		1996	3377377.730	3093948.655	283429.075
		1997	3809062.472	3411268.901	397793.571
		1998	4222213.867	3692414.487	529799.380
		1999	4708317.743	3996438.920	711878.823
		2000	5182084.396	4268426.748	913657.648
		2001	5644097.705	4508689.287	1135408.42
		2002	6107232.129	4726443.341	1380788.79
		2003	6561785.704	4918857.427	1642928.28
		2004	6996156.348	5084707.897	1911448.45
		2005	7426261.361	5233120.302	2193141.06
		2006	7849012.694	5363174.743	2485837.95
		2007	8255300.530	5475523.952	2779776.58
		2008	8650662.040	5574173.577	3076488.46
		2009	9030818.513	5660113.337	3370705.18
		2010	9403026.327	5736372.428	3666653.90
		2011	9767535.506	5803956.982	3963578.52
		2012	10123044.281	5864112.620	4258931.66
		2013	10470104.786	5917596.246	4552508.54
		2014	10807756.112	5965350.378	4842405.73
		2015	11130681.425	6007697.079	5122984.35
		2016	11448966.506	6046086.305	5402880.20

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

		2017	11758164.882	6080782.887	5677382.00
		2018	12054448.241	6110954.213	5943494.03
		2019	12341606.261	6138285.020	6203321.24
		2020	12600728.939	6161820.511	6438908.43
		2021	12861767.105	6183831.229	6677935.88
		2022	13114168.616	6203991.543	6910177.07
		2023	13357894.797	6222351.784	7135543.01
		2024	13593848.521	6239182.287	7354666.23
		2025	13789177.359	6252942.634	7536234.73
		2026	13993401.656	6266508.592	7726893.06
		2027	14190519.224	6279246.793	7911272.43
		2028	14381193.356	6290993.218	8090200.14
		2029	14565171.927	6301703.861	8263468.07
		2030	14697381.605	6309562.056	8387819.55
		2031	14842203.512	6317869.675	8524333.84
		2032	14982485.826	6325809.787	8656676.04
		2033	15118410.647	6333095.933	8785314.71
		2034	15250284.398	6339684.515	8910599.88
		2035	15322911.166	6343398.860	8979512.31
		2036	15405115.031	6347444.938	9057670.09
		2037	15484709.137	6351332.091	9133377.05
		2038	15561812.193	6354951.580	9206860.61
		2039	15635992.616	6358232.973	9277759.64
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.305	1865.158
		1992	439962.920	432980.698	6982.222
		1993	584735.615	568178.041	16557.575
		1994	727640.783	696330.356	31310.427
		1995	868486.937	816735.644	51751.293
		1996	1010321.847	930897.763	79424.084
		1997	1144230.930	1032466.458	111764.471
		1998	1274513.622	1124718.512	149795.109
		1999	1426725.938	1224913.418	201812.520
		2000	1573462.680	1314512.287	258950.392
		2001	1719132.015	1395352.895	323779.120
		2002	1863006.732	1467844.587	395162.145
		2003	2002943.227	1531765.731	471177.497
		2004	2137798.705	1587487.534	550311.171
		2005	2271071.245	1637553.893	633517.352
		2006	2400707.731	1681128.361	719579.370
		2007	2523634.512	1718466.129	805168.383
		2008	2648752.232	1752635.978	896116.254
		2009	2765973.961	1781788.538	984185.423
		2010	2881329.235	1807866.121	1073463.11
		2011	2994972.694	1831096.100	1163876.59
		2012	3108958.829	1852158.275	1256800.55
		2013	3218140.416	1870801.247	1347339.17
		2014	3328387.914	1887970.147	1440417.77
		2015	3435342.796	1903575.481	1531767.31
		2016	3539189.408	1917593.694	1621595.71
		2017	3640041.363	1930187.562	1709853.80
		2018	3732645.362	1940870.277	1791775.09
		2019	3821421.978	1950392.758	1871029.22
		2020	3902115.950	1958629.016	1943486.93
		2021	3984301.053	1966462.456	2017838.60
		2022	4062629.299	1973446.470	2089182.83
		2023	4137348.729	1979737.407	2157611.32
		2024	4208611.493	1985379.020	2223232.47
		2025	4269419.492	1990112.088	2279307.40
		2026	4330969.998	1994628.347	2336341.65
		2027	4389134.306	1998688.965	2390445.34
		2028	4444222.970	2002370.354	2441852.62
		2029	4496447.877	2005723.294	2490724.58
		2030	4536975.698	2008310.256	2528665.44
		2031	4578338.586	2010834.792	2567503.79
		2032	4617397.784	2013142.964	2604254.82
		2033	4654407.697	2015274.040	2639133.66
		2034	4689913.454	2017249.587	2672663.87
		2035	4712518.190	2018492.018	2694026.17
		2036	4735845.827	2019713.656	2716132.17
		2037	4757958.806	2020838.821	2737119.99
		2038	4778813.806	2021883.478	2756930.33
		2039	4798769.065	2022858.745	2775910.32
	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.129	719.889
		1992	222966.278	220290.030	2676.248
		1993	296801.879	290427.975	6373.903
		1994	372453.706	360110.810	12342.896
Stroke					

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

	1995	448401.338	427534.549	20866.789
	1996	523536.301	491430.057	32106.245
	1997	596763.211	550714.400	46048.811
	1998	667546.681	605024.597	62522.085
	1999	734925.407	653816.920	81108.487
	2000	803749.361	700697.654	103051.707
	2001	870081.588	742849.991	127231.597
	2002	935347.140	781498.359	153848.781
	2003	1001627.349	817732.427	183894.922
	2004	1066587.976	850620.285	215967.691
	2005	1130548.052	880423.219	250124.832
	2006	1195132.454	907994.931	287137.523
	2007	1258974.043	932961.712	326012.331
	2008	1320124.867	954747.437	365377.430
	2009	1380776.123	974516.233	406259.890
	2010	1440048.533	992224.894	447823.639
	2011	1497484.847	1007950.232	489534.615
	2012	1554496.526	1022109.189	532387.337
	2013	1610819.598	1034893.771	575925.827
	2014	1667484.890	1046567.307	620917.583
	2015	1720948.287	1056792.402	664155.885
	2016	1775699.228	1066327.228	709372.000
	2017	1830250.175	1075045.863	755204.312
	2018	1875958.950	1081801.798	794157.152
	2019	1920359.232	1087850.224	832509.007
	2020	1960605.297	1093003.777	867601.520
	2021	1998912.887	1097532.831	901380.056
	2022	2036003.696	1101590.632	934413.063
	2023	2071857.536	1105226.066	966631.471
	2024	2106636.468	1108516.303	998120.165
	2025	2136450.873	1111217.388	1025233.49
	2026	2164796.470	1113614.130	1051182.34
	2027	2192079.608	1115800.457	1076279.15
	2028	2218404.367	1117776.736	1100627.63
	2029	2243769.140	1119565.601	1124203.54
	2030	2263570.213	1120930.536	1142639.68
	2031	2282521.590	1122176.458	1160345.13
	2032	2300804.945	1123327.929	1177477.02
	2033	2318464.018	1124377.994	1194086.02
	2034	2335611.973	1125337.331	1210274.64
	2035	2347097.290	1125976.592	1221120.70
	2036	2358248.747	1126572.655	1231676.09
	2037	2369033.655	1127136.598	1241897.06
	2038	2379490.114	1127660.845	1251829.27
	2039	2389546.238	1128139.172	1261407.07
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.680	515.182
	1992	165654.454	163676.592	1977.862
	1993	220008.519	215284.032	4724.487
	1994	275706.807	266525.453	9181.353
	1995	331417.547	315921.812	15495.735
	1996	387580.161	363586.956	23993.205
	1997	442778.242	408235.322	34542.920
	1998	496117.305	449197.541	46919.763
	1999	548268.214	487050.385	61217.830
	2000	601693.202	523615.244	78077.958
	2001	652221.103	556016.337	96204.766
	2002	703022.600	586356.487	116666.113
	2003	752023.351	613543.056	138480.295
	2004	799826.733	638063.522	161763.211
	2005	847563.928	660706.933	186856.996
	2006	894205.027	681073.771	213131.256
	2007	939571.282	699248.685	240322.597
	2008	983437.578	715397.419	268040.159
	2009	1025803.786	729714.723	296089.063
	2010	1066964.934	742426.022	324538.912
	2011	1106954.044	753710.405	353243.640
	2012	1146108.461	763841.524	382266.937
	2013	1183544.689	772741.256	410803.434
	2014	1221220.945	780929.285	440291.661
	2015	1258289.311	788425.857	469863.454
	2016	1294830.207	795211.100	499619.107
	2017	1330332.626	801279.633	529052.993
	2018	1360571.987	806067.155	554504.832
	2019	1389848.723	810322.477	579526.245
	2020	1416046.192	813918.956	602127.237
	2021	1440588.850	817033.712	623555.137
	2022	1464157.934	819799.623	644358.312

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

		2023	1486810.237	822279.576	664530.661
		2024	1508591.729	824491.162	684100.568
		2025	1526875.621	826284.800	700590.821
		2026	1543659.810	827818.628	715841.182
		2027	1559623.774	829188.176	730435.598
		2028	1574852.850	830421.083	744431.767
		2029	1589437.452	831533.251	757904.201
		2030	1600568.199	832363.486	768204.713
		2031	1610776.297	833084.581	777691.716
		2032	1620483.563	833739.134	786744.429
		2033	1629745.442	834337.933	795407.510
		2034	1638721.425	834888.286	803833.139
		2035	1644649.404	835243.658	809405.746
		2036	1650181.590	835557.451	814624.139
		2037	1655476.066	835847.205	819628.861
		2038	1660507.914	836117.137	824390.776
		2039	1665361.569	836369.172	828992.397
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.801	203.032
		1992	348084.047	347333.643	750.404
		1993	467278.318	465438.259	1840.059
		1994	584216.907	580602.515	3614.392
		1995	697391.457	691235.907	6155.550
		1996	809471.271	799850.947	9620.324
		1997	922587.668	908341.604	14246.064
		1998	1034072.457	1014108.533	19963.923
		1999	1153475.399	1125978.617	27496.783
		2000	1268050.268	1231649.166	36401.101
		2001	1382786.209	1335691.525	47094.684
		2002	1497557.412	1437785.096	59772.316
		2003	1614405.229	1539916.241	74488.989
		2004	1726672.489	1635966.983	90705.506
		2005	1847277.524	1737104.916	110172.608
		2006	1961009.963	1830106.903	130903.060
		2007	2079868.908	1924751.035	155117.873
		2008	2206755.783	2023310.543	183445.240
		2009	2331993.380	2117879.367	214114.013
		2010	2455130.176	2208263.914	246866.263
		2011	2582657.849	2298997.679	283660.170
		2012	2709719.005	2386413.458	323305.547
		2013	2840547.005	2473266.023	367280.982
		2014	2971677.135	2557216.334	414460.801
		2015	3104538.983	2640318.849	464220.134
		2016	3237650.175	2720210.984	517439.191
		2017	3370561.253	2797070.374	573490.879
		2018	3503136.371	2870141.285	632995.086
		2019	3636402.758	2940468.153	695934.605
		2020	3768054.453	3007593.936	760460.517
		2021	3897675.067	3070597.828	827077.238
		2022	4027307.132	3130532.300	896774.832
		2023	4156698.720	3187302.064	969396.656
		2024	4285772.226	3240955.420	1044816.81
		2025	4410759.298	3290993.171	1119766.13
		2026	4531411.064	3336276.958	1195134.11
		2027	4651145.233	3378534.267	1272610.97
		2028	4769837.872	3417828.694	1352009.18
		2029	4887747.179	3454369.450	1433377.73
2030	4997632.895	3487255.881	1510377.01		
2031	5103301.991	3516105.627	1587196.36		
2032	5207593.613	3542544.451	1665049.16		
2033	5310556.138	3566633.994	1743922.14		
2034	5412542.816	3588642.141	1823900.67		
2035	5500522.473	3607109.146	1893413.33		
2036	5588149.640	3623738.828	1964410.81		
2037	5674667.886	3638883.942	2035783.94		
2038	5760391.289	3652616.701	2107774.59		
2039	5845459.234	3665130.624	2180328.61		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.318	168.192
		1992	240642.531	240002.529	640.002
		1993	329362.093	327710.994	1651.100
		1994	418569.515	415261.579	3307.936
		1995	509110.357	503290.002	5820.355
		1996	600040.117	590794.226	9245.891
		1997	691159.071	677445.953	13713.117
		1998	782866.899	763574.712	19292.187
		1999	881526.925	854873.728	26653.197
		2000	977880.647	942719.839	35160.809

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

2001	1076787.404	1031349.245	45438.159
2002	1174842.754	1117536.432	57306.322
2003	1275102.681	1204029.634	71073.047
2004	1371026.306	1285116.674	85909.631
2005	1473954.509	1370075.463	103879.046
2006	1574450.828	1451061.100	123389.729
2007	1673790.211	1529099.254	144690.958
2008	1782360.738	1612144.784	170215.954
2009	1892944.209	1694077.908	198866.302
2010	2002131.282	1772752.027	229379.255
2011	2114522.152	1851006.962	263515.191
2012	2228079.372	1927575.857	300503.515
2013	2345377.689	2003824.958	341552.731
2014	2462498.422	2077115.978	385382.444
2015	2581450.312	2149671.123	431779.188
2016	2701959.301	2220290.711	481668.590
2017	2823834.967	2288825.083	535009.884
2018	2938265.081	2351121.127	587143.954
2019	3053254.880	2411031.637	642223.243
2020	3167073.216	2468297.537	698775.679
2021	3279517.699	2522900.244	756617.456
2022	3392060.964	2574974.825	817086.139
2023	3504296.171	2624429.045	879867.126
2024	3616019.231	2671128.610	944890.621
2025	3724611.269	2714868.986	1009742.28
2026	3827181.707	2754629.634	1072552.07
2027	3928684.441	2791793.984	1136890.46
2028	4029124.892	2826556.119	1202568.77
2029	4128269.068	2858775.979	1269493.09
2030	4221560.174	2888050.286	1333509.89
2031	4304170.584	2912460.260	1391710.32
2032	4384930.537	2934703.823	1450226.71
2033	4464357.691	2955098.461	1509259.23
2034	4542251.545	2973581.474	1568670.07
2035	4611066.648	2989417.703	1621648.95
2036	4670309.230	3001911.103	1668398.13
2037	4728179.514	3013163.775	1715015.74
2038	4785008.048	3023335.955	1761672.09
2039	4841291.793	3032538.634	1808753.16

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	236769.975	207141.058
		35-39	1146798.555	605332.908	541465.647
		40-44	2609591.408	1338836.916	1270754.49
		45-49	4775841.753	2411764.337	2364077.42
		50-54	7446969.205	3903147.475	3543821.73
		55-59	8240205.925	4749844.440	3490361.49
		60-64	8772829.118	5486749.661	3286079.46
		65-69	6161494.678	4239522.933	1921971.75
		70-74	2495906.274	1778073.962	717832.311
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	141147.070	87993.491
		35-39	570217.942	344871.035	225346.907
		40-44	1267538.938	744029.623	523509.315
		45-49	2340070.698	1351733.717	988336.981
		50-54	3743803.613	2179374.802	1564428.81
		55-59	4591478.168	2796366.213	1795111.96
		60-64	5207367.788	3299364.816	1908002.97
65-69		4092181.394	2735570.532	1356610.86	
Lung cancer	Males	70-74	1776092.171	1205420.568	570671.603
		75-79	0.000	0.000	0.000
		30-34	66065.017	51545.173	14519.844
		35-39	232509.414	182760.247	49749.167
		40-44	688628.041	529093.415	159534.626
		45-49	1528300.367	1137047.114	391253.253
		50-54	2730187.229	1998916.066	731271.164
		55-59	3909101.673	2844875.151	1064226.52
		60-64	4287716.660	3216810.759	1070905.90
	65-69	3467897.115	2654103.279	813793.835	
	70-74	1312144.343	1020993.969	291150.374	
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40449.662	11463.451
		35-39	189792.904	148174.444	41618.460
		40-44	527596.573	394600.716	132995.857
		45-49	1122524.269	808339.327	314184.942
		50-54	1882214.322	1326006.593	556207.729
55-59		2595581.943	1805046.970	790534.973	
60-64		2846273.090	2020738.988	825534.101	
65-69		2358758.394	1694712.201	664046.193	
IHD	Males	70-74	937814.238	681938.473	255875.764
		75-79	0.000	0.000	0.000
		30-34	263834.566	116533.814	147300.752
		35-39	692140.150	291642.249	400497.901
		40-44	1519708.432	582124.505	937583.927
		45-49	2568546.697	901937.046	1666609.65
		50-54	3632929.903	1329931.439	2302998.46
		55-59	2807892.356	1091972.669	1715919.69
		60-64	2599825.934	1188550.883	1411275.05
	65-69	1113578.307	583086.154	530492.153	
	70-74	437536.271	261428.983	176107.287	
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	37387.794	42261.303
		35-39	193965.908	80441.612	113524.295
		40-44	403380.974	149467.565	253913.409
		45-49	671385.408	230736.095	440649.313
		50-54	1011875.989	373530.104	638345.885
55-59		849875.715	342533.001	507342.714	
60-64		925490.876	435481.349	490009.528	
65-69		455463.881	245925.903	209537.978	
Stroke	Males	70-74	207681.216	125509.399	82171.817
		75-79	0.000	0.000	0.000
		30-34	73463.650	42869.777	30593.873
		35-39	151934.057	85917.419	66016.638
		40-44	262845.974	140667.194	122178.780
		45-49	383421.246	191637.010	191784.236
		50-54	479872.634	217707.408	262165.226
		55-59	437124.903	183599.890	253525.013
		60-64	419457.235	179861.038	239596.196
	65-69	128180.574	57641.042	70539.532	
	70-74	53245.965	26099.959	27146.006	
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	39866.725	23052.365

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

		35-39	120806.205	72322.588	48483.617
		40-44	203391.885	112985.293	90406.592
		45-49	278172.097	143394.230	134777.867
		50-54	325979.181	156682.786	169296.395
		55-59	275161.340	124327.087	150834.253
		60-64	268920.493	123286.406	145634.087
		65-69	87956.054	41953.853	46002.201
		70-74	42055.224	20886.276	21168.948
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	25821.212	14726.589
		35-39	70214.933	45012.993	25201.940
		40-44	138408.960	86951.802	51457.158
		45-49	295573.443	181143.168	114430.275
		50-54	603979.438	356592.563	247386.875
		55-59	1086086.992	629396.730	456690.262
		60-64	1465829.290	901526.980	564302.310
		65-69	1451838.682	944692.457	507146.225
		70-74	692979.695	469551.051	223428.644
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	23442.888	11216.373
		35-39	65652.924	43932.390	21720.534
		40-44	133169.505	86976.049	46193.457
		45-49	267988.924	169264.065	98724.859
		50-54	523734.121	323155.320	200578.801
		55-59	870859.170	524459.154	346400.015
		60-64	1166683.329	719858.073	446825.255
		65-69	1190003.066	752978.575	437024.490
		70-74	588541.493	377086.420	211455.074
		75-79	0.000	0.000	0.000

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	236784.791	207126.243
		35-39	1146798.555	605444.899	541353.656
		40-44	2609591.408	1339567.268	1270024.14
		45-49	4775841.753	2415054.348	2360787.40
		50-54	7446969.205	3913224.235	3533744.97
		55-59	8240205.925	4766428.708	3473777.22
		60-64	8772829.118	5515348.093	3257481.03
		65-69	6161494.678	4264385.110	1897109.57
		70-74	2495906.274	1791785.654	704120.619
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	141150.884	87989.677
		35-39	570217.942	344899.566	225318.376
		40-44	1267538.938	744213.883	523325.055
		45-49	2340070.698	1352559.461	987511.238
		50-54	3743803.613	2182004.701	1561798.91
		55-59	4591478.168	2801493.383	1789984.78
		60-64	5207367.788	3309400.031	1897967.76
		65-69	4092181.394	2746516.208	1345665.19
70-74		1776092.171	1212503.461	563588.709	
Lung cancer	Males	30-34	66065.017	51548.757	14516.261
		35-39	232509.414	182799.202	49710.213
		40-44	688628.041	529430.563	159197.479
		45-49	1528300.367	1138842.871	389457.496
		50-54	2730187.229	2004760.620	725426.610
		55-59	3909101.673	2855632.578	1053469.10
		60-64	4287716.660	3234768.479	1052948.18
		65-69	3467897.115	2669788.478	798108.636
		70-74	1312144.343	1028948.791	283195.553
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40450.928	11462.185
		35-39	189792.904	148188.002	41604.902
		40-44	527596.573	394709.020	132887.553
		45-49	1122524.269	808871.625	313652.643
		50-54	1882214.322	1327720.348	554493.974
		55-59	2595581.943	1808501.763	787080.181
		60-64	2846273.090	2027154.091	819118.999
		65-69	2358758.394	1701451.958	657306.436
70-74		937814.238	685927.292	251886.945	
IHD	Males	30-34	263834.566	116540.632	147293.934
		35-39	692140.150	291688.723	400451.427
		40-44	1519708.432	582377.151	937331.281
		45-49	2568546.697	902833.391	1665713.31
		50-54	3632929.903	1332273.251	2300656.65
		55-59	2807892.356	1094104.253	1713788.10
		60-64	2599825.934	1191725.974	1408099.96
		65-69	1113578.307	584496.213	529082.094
		70-74	437536.271	262193.385	175342.886
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	37388.720	42260.377
		35-39	193965.908	80447.250	113518.657
		40-44	403380.974	149495.344	253885.631
		45-49	671385.408	230831.231	440554.176
		50-54	1011875.989	373802.639	638073.350
		55-59	849875.715	342833.649	507042.067
		60-64	925490.876	436053.541	489437.335
		65-69	455463.881	246261.114	209202.767
70-74		207681.216	125745.257	81935.960	
Stroke	Males	30-34	73463.650	42872.168	30591.481
		35-39	151934.057	85932.318	66001.738
		40-44	262845.974	140737.636	122108.339
		45-49	383421.246	191866.740	191554.506
		50-54	479872.634	218179.169	261693.465
		55-59	437124.903	184067.768	253057.135
		60-64	419457.235	180486.108	238971.127
		65-69	128180.574	57811.859	70368.715
		70-74	53245.965	26185.404	27060.561
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	39867.607	23051.484

Results for PHIM for Run 2 (ELL Summary Sensitivity_Analysis_4.RTF)

		35-39	120806.205	72327.427	48478.779
		40-44	203391.885	113006.756	90385.129
		45-49	278172.097	143457.853	134714.245
		50-54	325979.181	156810.782	169168.399
		55-59	275161.340	124460.734	150700.606
		60-64	268920.493	123485.732	145434.761
		65-69	87956.054	42022.005	45934.049
		70-74	42055.224	20930.276	21124.947
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	25823.235	14724.566
		35-39	70214.933	45024.655	25190.278
		40-44	138408.960	87021.918	51387.042
		45-49	295573.443	181511.346	114062.097
		50-54	603979.438	358011.195	245968.243
		55-59	1086086.992	632624.109	453462.883
		60-64	1465829.290	908367.532	557461.758
		65-69	1451838.682	952288.559	499550.123
		70-74	692979.695	474458.074	218521.620
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	23443.630	11215.631
		35-39	65652.924	43936.886	21716.038
		40-44	133169.505	87002.764	46166.742
		45-49	267988.924	169398.751	98590.173
		50-54	523734.121	323670.931	200063.189
		55-59	870859.170	525697.238	345161.932
		60-64	1166683.329	722706.667	443976.662
		65-69	1190003.066	756781.131	433221.935
		70-74	588541.493	379900.636	208640.857
		75-79	0.000	0.000	0.000

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

Estimated Loss of Life from the E Component for Run: 4, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	24800403.038	17293144.9
	Female	2039	23817891.273	14820993.729	8996897.54
Lung cancer	Males	2039	18222549.860	13655777.559	4566772.30
	Female	2039	12512468.845	8932671.726	3579797.12
IHD	Males	2039	15635992.616	6369581.951	9266410.66
	Female	2039	4798769.065	2026315.446	2772453.62
Stroke	Males	2039	2389546.238	1128591.665	1260954.57
	Female	2039	1665361.569	837212.123	828149.446
COPD	Males	2039	5845459.234	3646451.863	2199007.37
	Female	2039	4841291.793	3024794.434	1816497.36

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	24899027.616	17194520.3
	Female	2039	23817891.273	14858008.980	8959882.29
Lung cancer	Males	2039	18222549.860	13716448.993	4506100.87
	Female	2039	12512468.845	8955729.603	3556739.24
IHD	Males	2039	15635992.616	6380827.382	9255165.23
	Female	2039	4798769.065	2028186.582	2770582.48
Stroke	Males	2039	2389546.238	1130756.488	1258789.75
	Female	2039	1665361.569	837882.376	827479.194
COPD	Males	2039	5845459.234	3670994.753	2174464.48
	Female	2039	4841291.793	3036210.420	1805081.37

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798434.112	32249.720
		1993	5076567.803	5000944.136	75623.667
		1994	6292145.526	6149968.798	142176.729
		1995	7485537.010	7250140.460	235396.549
		1996	8655955.028	8299443.215	356511.812
		1997	9791729.713	9287397.212	504332.501
		1998	10899134.186	10221672.492	677461.694
		1999	12070409.674	11161500.001	908909.674
		2000	13231384.595	12060780.877	1170603.72
		2001	14371761.018	12909718.351	1462042.67
		2002	15508906.386	13720910.119	1787996.27
		2003	16638100.422	14494649.043	2143451.38
		2004	17736465.088	15220576.287	2515888.80
		2005	18834658.606	15920175.952	2914482.65
		2006	19909100.501	16573530.985	3335569.52
		2007	20958321.463	17188439.031	3769882.43
		2008	22000068.148	17779169.630	4220898.52
		2009	23018816.903	18337114.673	4681702.23
		2010	24018480.537	18863767.714	5154712.82
		2011	25003034.574	19362865.515	5640169.06
		2012	25969871.429	19833120.371	6136751.06
		2013	26920275.180	20276671.796	6643603.38
		2014	27849005.227	20691802.809	7157202.42
		2015	28749620.400	21082243.787	7667376.61
		2016	29622417.562	21439288.884	8183128.68
		2017	30462559.724	21765665.115	8696894.61
		2018	31293299.299	22078717.518	9214581.78
		2019	32109993.427	22373911.109	9736082.32
		2020	32883323.977	22648170.314	10235153.7
		2021	33610102.554	22885207.982	10724894.6
		2022	34322010.448	23106932.010	11215078.4
		2023	35018383.550	23313498.658	11704884.9
		2024	35700177.955	23505974.162	12194203.8
		2025	36315500.346	23679497.312	12636003.0
		2026	36896159.343	23826137.582	13070021.8
		2027	37462570.116	23961918.983	13500651.1
		2028	38015337.780	24087042.418	13928295.4
		2029	38554814.764	24202463.190	14352351.6
		2030	39003805.400	24301264.874	14702540.5
		2031	39436509.703	24384601.273	15051908.4
2032	39858470.458	24461347.429	15397123.0		
2033	40270147.082	24531370.500	15738776.6		
2034	40672665.743	24595523.680	16077142.1		
2035	40962732.664	24644640.780	16318091.9		
2036	41255021.653	24688492.490	16566529.2		
2037	41540573.023	24729043.567	16811529.5		
2038	41820158.066	24766202.499	17053955.6		
2039	42093547.949	24800403.038	17293144.9		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.223	2965.030
		1992	1777346.679	1766096.065	11250.614
		1993	2380261.899	2353262.439	26999.460
		1994	2983130.039	2931318.480	51811.559
		1995	3588982.584	3501951.421	87031.163
		1996	4195430.235	4060556.430	134873.805
		1997	4793866.694	4600665.542	193201.152
		1998	5389747.381	5126516.537	263230.844
		1999	6006722.467	5652699.758	354022.709
		2000	6625758.871	6167994.559	457764.312
		2001	7245135.411	6668446.719	576688.692
		2002	7867492.021	7156192.187	711299.834
		2003	8485051.793	7626448.177	858603.616
		2004	9092994.774	8075795.934	1017198.84
		2005	9706032.803	8515486.963	1190545.84
		2006	10311907.548	8935845.320	1376062.23
		2007	10909437.502	9338943.102	1570494.40
		2008	11506462.491	9726650.332	1779812.16
		2009	12098393.287	10100805.945	1997587.34
		2010	12681188.981	10456702.623	2224486.36

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

		2011	13260062.991	10797345.195	2462717.80
		2012	13839417.441	11125343.222	2714074.22
		2013	14409614.758	11437518.613	2972096.14
		2014	14976658.746	11734296.201	3242362.54
		2015	15529977.821	12014254.281	3515723.54
		2016	16066640.764	12273607.287	3793033.48
		2017	16590035.078	12515948.820	4074086.26
		2018	17098716.137	12744735.146	4353980.99
		2019	17599868.850	12960579.805	4639289.05
		2020	18081346.241	13162340.387	4919005.85
		2021	18537594.460	13343612.233	5193982.23
		2022	18985300.234	13513444.015	5471856.22
		2023	19423958.747	13672261.058	5751697.69
		2024	19853347.772	13819927.929	6033419.84
		2025	20252822.245	13954585.324	6298236.92
		2026	20619307.063	14070614.676	6548692.39
		2027	20976063.406	14177681.614	6798381.79
		2028	21323641.947	14276748.575	7046893.37
		2029	21662117.106	14367718.611	7294398.50
		2030	21960971.694	14447418.196	7513553.50
		2031	22224951.983	14511814.952	7713137.03
		2032	22480397.853	14570383.075	7910014.78
		2033	22728639.455	14624021.015	8104618.44
		2034	22970448.888	14672758.157	8297690.73
		2035	23164154.188	14712061.641	8452092.55
		2036	23334538.616	14743110.921	8591427.69
		2037	23499760.723	14771387.245	8728373.48
		2038	23660308.401	14797257.493	8863050.91
		2039	23817891.273	14820993.729	8996897.54
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747588.520	2446.372
		1993	2319752.308	2313793.434	5958.873
		1994	2872597.339	2861044.816	11552.522
		1995	3411494.825	3391837.086	19657.739
		1996	3945569.726	3914494.476	31075.250
		1997	4463316.362	4417528.580	45787.782
		1998	4975301.180	4910807.442	64493.739
		1999	5473691.125	5386267.596	87423.529
		2000	5977500.570	5861404.049	116096.521
		2001	6474795.516	6324331.537	150463.979
		2002	6968769.705	6777539.371	191230.334
		2003	7460282.140	7221059.222	239222.918
		2004	7947048.275	7652782.023	294266.252
		2005	8430571.669	8073680.400	356891.269
		2006	8903945.390	8477044.293	426901.097
		2007	9364177.982	8860635.216	503542.766
		2008	9822525.458	9233041.016	589484.443
		2009	10275228.886	9591363.246	683865.640
		2010	10720275.500	9934304.783	785970.718
		2011	11155356.373	10259974.576	895381.798
		2012	11582611.617	10569069.771	1013541.85
		2013	11998803.791	10860054.244	1138749.55
		2014	12402087.090	11132306.495	1269780.59
		2015	12793451.706	11387653.347	1405798.36
		2016	13160101.653	11617398.256	1542703.40
		2017	13503583.414	11823974.135	1679609.28
		2018	13859755.737	12027291.618	1832464.12
		2019	14211625.176	12218944.330	1992680.85
		2020	14553935.288	12397749.605	2156185.68
		2021	14851747.495	12545383.740	2306363.75
		2022	15144531.004	12683011.336	2461519.67
		2023	15431932.496	12810770.991	2621161.51
		2024	15713920.740	12929275.765	2784644.97
		2025	15979112.816	13036445.128	2942667.69
		2026	16206550.153	13121714.753	3084835.40
		2027	16428826.050	13200105.580	3228720.47
		2028	16645902.186	13271888.740	3374013.45
		2029	16858126.517	13337771.662	3520354.85
		2030	17045220.687	13394420.985	3650799.70
		2031	17208482.610	13439029.607	3769453.00
		2032	17367586.074	13479855.047	3887731.03
		2033	17522716.280	13516939.349	4005776.93
		2034	17674226.555	13550811.629	4123414.93
		2035	17792201.734	13576946.725	4215255.01
		2036	17903508.236	13599179.901	4304328.34
		2037	18012162.345	13619719.361	4392442.98
		2038	18118464.470	13638496.236	4479968.23

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

		2039	18222549.860	13655777.559	4566772.30
	Female	1990	307897.357	307897.357	0.000
		1991	616547.418	616130.920	416.498
		1992	931086.773	929437.073	1649.701
		1993	1246155.671	1242093.582	4062.089
		1994	1561212.934	1553213.526	7999.409
		1995	1879967.742	1866031.849	13935.893
		1996	2197488.109	2175330.680	22157.429
		1997	2515698.453	2482607.790	33090.662
		1998	2836249.556	2789165.994	47083.563
		1999	3150201.390	3086074.460	64126.930
		2000	3472722.342	3387449.984	85272.359
		2001	3796994.889	3686139.802	110855.088
		2002	4126619.935	3984989.074	141630.862
		2003	4454982.533	4277783.943	177198.590
		2004	4784343.030	4565954.454	218388.577
		2005	5113443.121	4848151.211	265291.910
		2006	5442543.963	5123765.558	318778.405
		2007	5772441.497	5393497.297	378944.200
		2008	6091911.943	5648041.074	443870.868
		2009	6413671.330	5896994.230	516677.100
		2010	6730763.530	6135631.261	595132.269
		2011	7043614.101	6363705.247	679908.854
		2012	7356270.780	6584132.888	772137.892
		2013	7662551.964	6792706.355	869845.609
		2014	7964551.465	6991014.354	973537.111
		2015	8254895.403	7175539.782	1079355.62
		2016	8530661.848	7343688.473	1186973.37
		2017	8795826.122	7499030.547	1296795.58
		2018	9067233.707	7650218.735	1417014.97
		2019	9335343.270	7792523.722	1542819.55
		2020	9596110.883	7925399.689	1670711.19
		2021	9833186.859	8041304.605	1791882.25
		2022	10066452.037	8149461.262	1916990.77
		2023	10295503.609	8250164.380	2045339.23
		2024	10520125.318	8343346.166	2176779.15
		2025	10731915.863	8427906.759	2304009.10
		2026	10917495.549	8498235.589	2419259.96
		2027	11098620.885	8562770.265	2535850.62
		2028	11275441.234	8622168.416	2653272.82
		2029	11447962.710	8676403.368	2771559.34
		2030	11601867.623	8723492.946	2878374.68
		2031	11731666.516	8760217.300	2971449.22
		2032	11857585.969	8793501.497	3064084.47
		2033	11980128.625	8823874.400	3156254.22
		2034	12099562.464	8851398.143	3248164.32
		2035	12195919.946	8873230.504	3322689.44
		2036	12278201.969	8890122.619	3388079.35
		2037	12358146.336	8905542.570	3452603.77
		2038	12435978.633	8919675.122	3516303.51
		2039	12512468.845	8932671.726	3579797.12
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483223.639	26374.975
		1993	1992735.299	1931292.549	61442.750
		1994	2462877.575	2348233.369	114644.206
		1995	2928249.390	2739582.088	188667.302
		1996	3377377.730	3093759.632	283618.098
		1997	3809062.472	3410967.588	398094.884
		1998	4222213.867	3691972.701	530241.167
		1999	4708317.743	3995795.242	712522.501
		2000	5182084.396	4267537.734	914546.662
		2001	5644097.705	4507536.039	1136561.67
		2002	6107232.129	4724998.858	1382233.27
		2003	6561785.704	4917117.319	1644668.38
		2004	6996156.348	5082679.265	1913477.08
		2005	7426261.361	5230795.711	2195465.65
		2006	7849012.694	5360589.998	2488422.70
		2007	8255300.530	5472721.502	2782579.03
		2008	8650662.040	5571187.754	3079474.29
		2009	9030818.513	5656989.908	3373828.60
		2010	9403026.327	5733152.768	3669873.56
		2011	9767535.506	5800712.688	3966822.82
		2012	10123044.281	5860907.951	4262136.33
		2013	10470104.786	5914489.312	4555615.47
		2014	10807756.112	5962409.355	4845346.76
		2015	11130681.425	6004908.260	5125773.17
		2016	11448966.506	6043518.356	5405448.15

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

		2017	11758164.882	6078495.461	5679669.42
		2018	12054448.241	6109158.744	5945289.50
		2019	12341606.261	6137080.093	6204526.17
		2020	12600728.939	6161047.679	6439681.26
		2021	12861767.105	6183682.169	6678084.94
		2022	13114168.616	6204531.065	6909637.55
		2023	13357894.797	6223650.781	7134244.02
		2024	13593848.521	6241357.903	7352490.62
		2025	13789177.359	6255679.498	7533497.86
		2026	13993401.656	6269993.527	7723408.13
		2027	14190519.224	6283512.167	7907007.06
		2028	14381193.356	6296093.905	8085099.45
		2029	14565171.927	6307741.913	8257430.01
		2030	14697381.605	6316109.719	8381271.89
		2031	14842203.512	6325087.938	8517115.57
		2032	14982485.826	6333690.307	8648795.52
		2033	15118410.647	6341679.058	8776731.59
		2034	15250284.398	6349084.753	8901199.65
		2035	15322911.166	6353103.208	8969807.96
		2036	15405115.031	6357540.386	9047574.65
		2037	15484709.137	6361818.540	9122890.60
		2038	15561812.193	6365845.585	9195966.61
		2039	15635992.616	6369581.951	9266410.66
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.305	1865.158
		1992	439962.920	432980.289	6982.631
		1993	584735.615	568176.002	16559.613
		1994	727640.783	696324.392	31316.391
		1995	868486.937	816722.454	51764.483
		1996	1010321.847	930873.028	79448.820
		1997	1144230.930	1032425.786	111805.144
		1998	1274513.622	1124657.142	149856.480
		1999	1426725.938	1224821.456	201904.482
		2000	1573462.680	1314383.446	259079.234
		2001	1719132.015	1395183.016	323948.999
		2002	1863006.732	1467631.583	395375.149
		2003	2002943.227	1531508.892	471434.335
		2004	2137798.705	1587186.527	550612.178
		2005	2271071.245	1637207.647	633863.599
		2006	2400707.731	1680740.271	719967.460
		2007	2523634.512	1718045.374	805589.139
		2008	2648752.232	1752194.107	896558.126
		2009	2765973.961	1781336.783	984637.178
		2010	2881329.235	1807410.173	1073919.06
		2011	2994972.694	1830651.121	1164321.57
		2012	3108958.829	1851745.772	1257213.06
		2013	3218140.416	1870433.530	1347706.89
		2014	3328387.914	1887666.181	1440721.73
		2015	3435342.796	1903325.547	1532017.25
		2016	3539189.408	1917412.356	1621777.05
		2017	3640041.363	1930098.290	1709943.07
		2018	3732645.362	1940897.188	1791748.17
		2019	3821421.978	1950556.597	1870865.38
		2020	3902115.950	1958895.678	1943220.27
		2021	3984301.053	1966866.190	2017434.86
		2022	4062629.299	1974011.124	2088618.17
		2023	4137348.729	1980485.260	2156863.47
		2024	4208611.493	1986336.001	2222275.49
		2025	4269419.492	1991208.850	2278210.64
		2026	4330969.998	1995904.866	2335065.13
		2027	4389134.306	2000163.276	2388971.03
		2028	4444222.970	2004062.209	2440160.76
		2029	4496447.877	2007652.766	2488795.11
		2030	4536975.698	2010382.524	2526593.17
		2031	4578338.586	2013087.850	2565250.74
		2032	4617397.784	2015587.188	2601810.60
		2033	4654407.697	2017920.739	2636486.96
		2034	4689913.454	2020109.265	2669804.19
		2035	4712518.190	2021443.674	2691074.52
		2036	4735845.827	2022780.884	2713064.94
		2037	4757958.806	2024028.334	2733930.47
		2038	4778813.806	2025202.984	2753610.82
		2039	4798769.065	2026315.446	2772453.62
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220289.451	2676.827
		1993	296801.879	290425.280	6376.598
		1994	372453.706	360103.195	12350.511

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

	1995	448401.338	427518.020	20883.318
	1996	523536.301	491399.558	32136.744
	1997	596763.211	550664.366	46098.845
	1998	667546.681	604949.365	62597.316
	1999	734925.407	653711.436	81213.971
	2000	803749.361	700552.846	103196.514
	2001	870081.588	742661.477	127420.111
	2002	935347.140	781259.557	154087.583
	2003	1001627.349	817439.492	184187.857
	2004	1066587.976	850268.604	216319.372
	2005	1130548.052	880010.343	250537.709
	2006	1195132.454	907519.649	287612.805
	2007	1258974.043	932426.269	326547.774
	2008	1320124.867	954158.840	365966.027
	2009	1380776.123	973878.255	406897.868
	2010	1440048.533	991540.749	448507.784
	2011	1497484.847	1007226.642	490258.205
	2012	1554496.526	1021358.142	533138.384
	2013	1610819.598	1034121.815	576697.783
	2014	1667484.890	1045790.084	621694.806
	2015	1720948.287	1056005.890	664942.397
	2016	1775699.228	1065548.350	710150.879
	2017	1830250.175	1074286.107	755964.068
	2018	1875958.950	1081063.323	794895.627
	2019	1920359.232	1087146.325	833212.907
	2020	1960605.297	1092322.650	868282.647
	2021	1998912.887	1096887.528	902025.360
	2022	2036003.696	1100992.237	935011.459
	2023	2071857.536	1104685.919	967171.617
	2024	2106636.468	1108048.573	998587.895
	2025	2136450.873	1110798.038	1025652.84
	2026	2164796.470	1113253.178	1051543.29
	2027	2192079.608	1115505.485	1076574.12
	2028	2218404.367	1117557.137	1100847.23
	2029	2243769.140	1119433.958	1124335.18
	2030	2263570.213	1120853.075	1142717.14
	2031	2282521.590	1122160.259	1160361.33
	2032	2300804.945	1123376.751	1177428.19
	2033	2318464.018	1124497.913	1193966.11
	2034	2335611.973	1125539.873	1210072.10
	2035	2347097.290	1126223.904	1220873.39
	2036	2358248.747	1126867.623	1231381.12
	2037	2369033.655	1127480.804	1241552.85
	2038	2379490.114	1128056.555	1251433.56
	2039	2389546.238	1128591.665	1260954.57
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.680	515.182
	1992	165654.454	163676.464	1977.991
	1993	220008.519	215283.382	4725.137
	1994	275706.807	266523.535	9183.272
	1995	331417.547	315917.489	15500.058
	1996	387580.161	363578.749	24001.412
	1997	442778.242	408221.584	34556.657
	1998	496117.305	449176.491	46940.814
	1999	548268.214	487020.244	61247.971
	2000	601693.202	523573.471	78119.730
	2001	652221.103	555961.681	96259.421
	2002	703022.600	586288.235	116734.365
	2003	752023.351	613460.797	138562.554
	2004	799826.733	637966.634	161860.098
	2005	847563.928	660594.578	186969.350
	2006	894205.027	680946.445	213258.582
	2007	939571.282	699109.262	240462.020
	2008	983437.578	715248.454	268189.124
	2009	1025803.786	729560.084	296243.702
	2010	1066964.934	742271.555	324693.379
	2011	1106954.044	753561.251	353392.794
	2012	1146108.461	763701.712	382406.749
	2013	1183544.689	772617.363	410927.326
	2014	1221220.945	780825.290	440395.656
	2015	1258289.311	788339.495	469949.817
	2016	1294830.207	795149.760	499680.448
	2017	1330332.626	801250.474	529082.151
	2018	1360571.987	806071.353	554500.635
	2019	1389848.723	810366.092	579482.630
	2020	1416046.192	813989.715	602056.477
	2021	1440588.850	817138.294	623450.555
	2022	1464157.934	819945.375	644212.559

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

		2023	1486810.237	822473.578	664336.660
		2024	1508591.729	824740.383	683851.346
		2025	1526875.621	826569.246	700306.375
		2026	1543659.810	828144.609	715515.201
		2027	1559623.774	829561.308	730062.466
		2028	1574852.850	830847.277	744005.573
		2029	1589437.452	832018.474	757418.978
		2030	1600568.199	832882.979	767685.221
		2031	1610776.297	833643.110	777133.187
		2032	1620483.563	834340.290	786143.273
		2033	1629745.442	834985.135	794760.307
		2034	1638721.425	835584.756	803136.669
		2035	1644649.404	835964.860	808684.544
		2036	1650181.590	836306.265	813875.324
		2037	1655476.066	836625.449	818850.617
		2038	1660507.914	836926.792	823581.122
		2039	1665361.569	837212.123	828149.446
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347332.502	751.545
		1993	467278.318	465432.872	1845.446
		1994	584216.907	580587.418	3629.489
		1995	697391.457	691203.267	6188.190
		1996	809471.271	799789.550	9681.720
		1997	922587.668	908236.678	14350.990
		1998	1034072.457	1013942.984	20129.472
		1999	1153475.399	1125725.727	27749.672
		2000	1268050.268	1231286.247	36764.021
		2001	1382786.209	1335189.297	47596.912
		2002	1497557.412	1437112.332	60445.079
		2003	1614405.229	1539033.010	75372.220
		2004	1726672.489	1634846.396	91826.093
		2005	1847277.524	1735689.498	111588.027
		2006	1961009.963	1828377.044	132632.919
		2007	2079868.908	1922656.043	157212.865
		2008	2206755.783	2020782.020	185973.762
		2009	2331993.380	2114883.263	217110.117
		2010	2455130.176	2204769.415	250360.762
		2011	2582657.849	2294951.610	287706.239
		2012	2709719.005	2381784.507	327934.497
		2013	2840547.005	2468006.425	372540.581
		2014	2971677.135	2551296.874	420380.261
		2015	3104538.983	2633676.289	470862.694
		2016	3237650.175	2712823.923	524826.252
		2017	3370561.253	2788909.411	581651.841
		2018	3503136.371	2861203.833	641932.538
		2019	3636402.758	2930740.361	705662.397
		2020	3768054.453	2997050.380	771004.073
		2021	3897675.067	3059254.545	838420.521
		2022	4027307.132	3118397.372	908909.760
		2023	4156698.720	3174390.966	982307.754
		2024	4285772.226	3227291.920	1058480.31
		2025	4410759.298	3276574.648	1134184.65
		2026	4531411.064	3321176.125	1210234.94
		2027	4651145.233	3362795.751	1288349.48
		2028	4769837.872	3401502.636	1368335.24
		2029	4887747.179	3437515.656	1450231.52
2030	4997632.895	3469881.095	1527751.80		
2031	5103301.991	3498323.469	1604978.52		
2032	5207593.613	3524425.325	1683168.29		
2033	5310556.138	3548254.181	1762301.96		
2034	5412542.816	3570087.425	1842455.39		
2035	5500522.473	3588366.944	1912155.53		
2036	5588149.640	3604904.580	1983245.06		
2037	5674667.886	3620024.862	2054643.02		
2038	5760391.289	3633804.123	2126587.17		
2039	5845459.234	3646451.863	2199007.37		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.318	168.192
		1992	240642.531	240002.240	640.292
		1993	329362.093	327709.473	1652.621
		1994	418569.515	415257.027	3312.488
		1995	509110.357	503279.629	5830.728
		1996	600040.117	590773.973	9266.144
		1997	691159.071	677410.382	13748.689
		1998	782866.899	763516.911	19349.988
		1999	881526.925	854783.598	26743.327
		2000	977880.647	942587.659	35292.989

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

2001	1076787.404	1031162.220	45625.183
2002	1174842.754	1117283.296	57559.458
2003	1275102.681	1203694.544	71408.137
2004	1371026.306	1284688.319	86337.986
2005	1473954.509	1369533.528	104420.981
2006	1574450.828	1450393.047	124057.781
2007	1673790.211	1528291.169	145499.042
2008	1782360.738	1611166.698	171194.040
2009	1892944.209	1692914.848	200029.361
2010	2002131.282	1771389.633	230741.649
2011	2114522.152	1849427.576	265094.576
2012	2228079.372	1925762.850	302316.522
2013	2345377.689	2001761.365	343616.324
2014	2462498.422	2074790.377	387708.045
2015	2581450.312	2147049.458	434400.854
2016	2701959.301	2217356.698	484602.603
2017	2823834.967	2285569.509	538265.459
2018	2938265.081	2347547.871	590717.210
2019	3053254.880	2407133.394	646121.486
2020	3167073.216	2464055.304	703017.911
2021	3279517.699	2518303.144	761214.555
2022	3392060.964	2570026.253	822034.711
2023	3504296.171	2619137.840	885158.331
2024	3616019.231	2665505.379	950513.852
2025	3724611.269	2708900.469	1015710.80
2026	3827181.707	2748329.613	1078852.09
2027	3928684.441	2785186.765	1143497.68
2028	4029124.892	2819670.673	1209454.22
2029	4128269.068	2851644.002	1276625.07
2030	4221560.174	2880659.748	1340900.43
2031	4304170.584	2904866.692	1399303.89
2032	4384930.537	2926954.100	1457976.44
2033	4464357.691	2947240.741	1517116.95
2034	4542251.545	2965665.993	1576585.55
2035	4611066.648	2981422.604	1629644.04
2036	4670309.230	2993901.154	1676408.08
2037	4728179.514	3005190.892	1722988.62
2038	4785008.048	3015452.596	1769555.45
2039	4841291.793	3024794.434	1816497.36

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798446.049	32237.782
		1993	5076567.803	5000998.392	75569.411
		1994	6292145.526	6150118.382	142027.144
		1995	7485537.010	7250462.088	235074.922
		1996	8655955.028	8300037.203	355917.824
		1997	9791729.713	9288382.216	503347.497
		1998	10899134.186	10223183.983	675950.203
		1999	12070409.674	11163726.976	906682.698
		2000	13231384.595	12063925.486	1167459.11
		2001	14371761.018	12913979.671	1457781.35
		2002	15508906.386	13726507.490	1782398.90
		2003	16638100.422	14501805.275	2136295.15
		2004	17736465.088	15229490.912	2506974.18
		2005	18834658.606	15931088.850	2903569.76
		2006	19909100.501	16586613.375	3322487.13
		2007	20958321.463	17203872.633	3754448.83
		2008	22000068.148	17797176.201	4202891.95
		2009	23018816.903	18357862.885	4660954.02
		2010	24018480.537	18887413.789	5131066.75
		2011	25003034.574	19389562.157	5613472.42
		2012	25969871.429	19862981.034	6106890.39
		2013	26920275.180	20309809.942	6610465.24
		2014	27849005.227	20728296.405	7120708.82
		2015	28749620.400	21122195.130	7627425.27
		2016	29622417.562	21482668.265	8139749.30
		2017	30462559.724	21812437.960	8650121.76
		2018	31293299.299	22128979.763	9164319.54
		2019	32109993.427	22427697.846	9682295.58
		2020	32883323.977	22705499.428	10177824.5
		2021	33610102.554	22945791.382	10664311.2
		2022	34322010.448	23170741.024	11151269.4
		2023	35018383.550	23380489.415	11637894.1
		2024	35700177.955	23576097.699	12124080.3
		2025	36315500.346	23752674.121	12562826.2
		2026	36896159.343	23901995.152	12994164.2
		2027	37462570.116	24040373.442	13422196.7
		2028	38015337.780	24168001.652	13847336.1
		2029	38554814.764	24285833.976	14268980.8
		2030	39003805.400	24386886.280	14616919.1
2031	39436509.703	24472150.969	14964358.7		
2032	39858470.458	24550727.834	15307742.6		
2033	40270147.082	24622475.228	15647671.9		
2034	40672665.743	24688258.047	15984407.7		
2035	40962732.664	24738757.706	16223975.0		
2036	41255021.653	24783839.877	16471181.8		
2037	41540573.023	24825553.189	16715019.8		
2038	41820158.066	24863802.925	16956355.1		
2039	42093547.949	24899027.616	17194520.3		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.223	2965.030
		1992	1777346.679	1766098.094	11248.585
		1993	2380261.899	2353272.306	26989.593
		1994	2983130.039	2931347.229	51782.810
		1995	3588982.584	3502016.141	86966.442
		1996	4195430.235	4060680.813	134749.422
		1997	4793866.694	4600879.769	192986.925
		1998	5389747.381	5126858.014	262889.367
		1999	6006722.467	5653215.943	353506.524
		2000	6625758.871	6168741.757	457017.114
		2001	7245135.411	6669483.416	575651.995
		2002	7867492.021	7157582.329	709909.691
		2003	8485051.793	7628260.629	856791.164
		2004	9092994.774	8078095.000	1014899.77
		2005	9706032.803	8518348.113	1187684.69
		2006	10311907.548	8939334.459	1372573.09
	2007	10909437.502	9343130.399	1566307.10	
	2008	11506462.491	9731609.023	1774853.47	
	2009	12098393.287	10106607.935	1991785.35	
	2010	12681188.981	10463408.841	2217780.14	

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

		2011	13260062.991	10805018.372	2455044.62
		2012	13839417.441	11134051.553	2705365.89
		2013	14409614.758	11447318.826	2962295.93
		2014	14976658.746	11745240.441	3231418.30
		2015	15529977.821	12026393.356	3503584.47
		2016	16066640.764	12286961.011	3779679.75
		2017	16590035.078	12530549.331	4059485.75
		2018	17098716.137	12760616.626	4338099.51
		2019	17599868.850	12977771.296	4622097.55
		2020	18081346.241	13180866.484	4900479.76
		2021	18537594.460	13363449.944	5174144.52
		2022	18985300.234	13534602.653	5450697.58
		2023	19423958.747	13694743.466	5729215.28
		2024	19853347.772	13843726.210	6009621.56
		2025	20252822.245	13979687.518	6273134.73
		2026	20619307.063	14096930.912	6522376.15
		2027	20976063.406	14205186.598	6770876.81
		2028	21323641.947	14305417.937	7018224.01
		2029	21662117.106	14397517.001	7264600.11
		2030	21960971.694	14478299.183	7482672.51
		2031	22224951.983	14543616.846	7681335.14
		2032	22480397.853	14603057.201	7877340.65
		2033	22728639.455	14657527.211	8071112.24
		2034	22970448.888	14707047.828	8263401.06
		2035	23164154.188	14747056.446	8417097.74
		2036	23334538.616	14778667.379	8555871.24
		2037	23499760.723	14807464.945	8692295.78
		2038	23660308.401	14833820.664	8826487.74
		2039	23817891.273	14858008.980	8959882.29
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747594.301	2440.591
		1993	2319752.308	2313819.817	5932.490
		1994	2872597.339	2861118.160	11479.179
		1995	3411494.825	3391996.295	19498.530
		1996	3945569.726	3914793.380	30776.346
		1997	4463316.362	4418032.407	45283.955
		1998	4975301.180	4911596.879	63704.302
		1999	5473691.125	5387429.031	86262.094
		2000	5977500.570	5863061.725	114438.846
		2001	6474795.516	6326612.570	148182.946
		2002	6968769.705	6780584.680	188185.025
		2003	7460282.140	7225017.455	235264.685
		2004	7947048.275	7657807.890	289240.386
		2005	8430571.669	8079930.978	350640.691
		2006	8903945.390	8484660.726	419284.664
		2007	9364177.982	8869747.246	494430.736
		2008	9822525.458	9243801.779	578723.680
		2009	10275228.886	9603912.816	671316.070
		2010	10720275.500	9948771.536	771503.965
		2011	11155356.373	10276464.695	878891.678
		2012	11582611.617	10587672.156	994939.461
		2013	11998803.791	10880839.390	1117964.40
		2014	12402087.090	11155328.172	1246758.92
		2015	12793451.706	11412965.760	1380485.95
		2016	13160101.653	11644949.049	1515152.60
		2017	13503583.414	11853705.930	1649877.48
		2018	13859755.737	12059325.078	1800430.66
		2019	14211625.176	12253301.784	1958323.39
		2020	14553935.288	12434441.031	2119494.26
		2021	14851747.495	12584133.395	2267614.10
		2022	15144531.004	12723795.602	2420735.40
		2023	15431932.496	12853555.268	2578377.23
		2024	15713920.740	12974020.298	2739900.44
		2025	15979112.816	13083093.874	2896018.94
		2026	16206550.153	13169942.113	3036608.04
		2027	16428826.050	13249852.211	3178973.84
		2028	16645902.186	13323091.524	3322810.66
		2029	16858126.517	13390368.527	3467757.99
		2030	17045220.687	13448316.269	3596904.42
		2031	17208482.610	13493961.290	3714521.32
		2032	17367586.074	13535764.856	3831821.22
		2033	17522716.280	13573766.005	3948950.27
		2034	17674226.555	13608501.258	4065725.30
		2035	17792201.734	13635370.086	4156831.65
		2036	17903508.236	13658218.356	4245289.88
		2037	18012162.345	13679337.898	4332824.45
		2038	18118464.470	13698657.933	4419806.54

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

	Female	2039	18222549.860	13716448.993	4506100.87
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.920	416.498
		1992	931086.773	929438.188	1648.585
		1993	1246155.671	1242098.993	4056.678
		1994	1561212.934	1553229.406	7983.528
		1995	1879967.742	1866068.028	13899.714
		1996	2197488.109	2175400.818	22087.291
		1997	2515698.453	2482730.140	32968.312
		1998	2836249.556	2789363.883	46885.674
		1999	3150201.390	3086372.289	63829.101
		2000	3472722.342	3387884.647	84837.695
		2001	3796994.889	3686748.758	110246.131
		2002	4126619.935	3985816.621	140803.314
		2003	4454982.533	4278876.636	176105.897
		2004	4784343.030	4567361.148	216981.882
		2005	5113443.121	4849920.329	263522.791
		2006	5442543.963	5125948.182	316595.780
		2007	5772441.497	5396148.722	376292.774
		2008	6091911.943	5651200.066	440711.877
		2009	6413671.330	5900715.043	512956.287
		2010	6730763.530	6139959.553	590803.977
		2011	7043614.101	6368682.322	674931.779
		2012	7356270.780	6589807.498	766463.282
		2013	7662551.964	6799112.004	863439.960
		2014	7964551.465	6998187.685	966363.780
		2015	8254895.403	7183502.709	1071392.69
		2016	8530661.848	7352441.589	1178220.26
		2017	8795826.122	7508585.740	1287240.38
		2018	9067233.707	7660617.732	1406615.97
		2019	9335343.270	7803783.131	1531560.14
		2020	9596110.883	7937532.707	1658578.18
		2021	9833186.859	8054272.466	1778914.39
		2022	10066452.037	8163265.996	1903186.04
		2023	10295503.609	8264803.630	2030699.98
		2024	10520125.318	8358810.487	2161314.83
		2025	10731915.863	8444183.713	2287732.15
		2026	10917495.549	8515242.348	2402253.20
		2027	11098620.885	8580486.682	2518134.20
		2028	11275441.234	8640575.519	2634865.71
		2029	11447962.710	8695475.555	2752487.15
		2030	11601867.623	8743197.819	2858669.80
		2031	11731666.516	8780439.165	2951227.35
		2032	11857585.969	8814210.296	3043375.67
		2033	11980128.625	8845045.201	3135083.42
		2034	12099562.464	8873002.000	3226560.46
		2035	12195919.946	8895220.077	3300699.87
		2036	12278201.969	8912409.111	3365792.86
		2037	12358146.336	8928104.623	3430041.71
		2038	12435978.633	8942493.758	3493484.88
		2039	12512468.845	8955729.603	3556739.24
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483228.029	26370.586
		1993	1992735.299	1931312.183	61423.116
		1994	2462877.575	2348286.451	114591.124
		1995	2928249.390	2739694.347	188555.043
		1996	3377377.730	3093960.912	283416.818
		1997	3809062.472	3411290.425	397772.047
		1998	4222213.867	3692448.508	529765.360
		1999	4708317.743	3996494.068	711823.675
		2000	5182084.396	4268505.051	913579.346
		2001	5644097.705	4508807.668	1135290.04
		2002	6107232.129	4726613.973	1380618.16
		2003	6561785.704	4919102.278	1642683.43
		2004	6996156.348	5085045.631	1911110.72
		2005	7426261.361	5233563.416	2192697.95
		2006	7849012.694	5363763.457	2485249.24
		2007	8255300.530	5476296.397	2779004.13
		2008	8650662.040	5575163.428	3075498.61
		2009	9030818.513	5661357.737	3369460.78
		2010	9403026.327	5737906.314	3665120.01
		2011	9767535.506	5805842.592	3961692.91
		2012	10123044.281	5866405.356	4256638.93
		2013	10470104.786	5920342.912	4549761.87
		2014	10807756.112	5968608.148	4839147.96
		2015	11130681.425	6011441.985	5119239.44
		2016	11448966.506	6050378.494	5398588.01

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

		2017	11758164.882	6085671.918	5672492.96
		2018	12054448.241	6116619.616	5937828.62
		2019	12341606.261	6144814.198	6196792.06
		2020	12600728.939	6169042.486	6431686.45
		2021	12861767.105	6191927.705	6669839.40
		2022	13114168.616	6213016.168	6901152.45
		2023	13357894.797	6232365.145	7125529.65
		2024	13593848.521	6250294.307	7343554.21
		2025	13789177.359	6264822.460	7524354.90
		2026	13993401.656	6279341.986	7714059.67
		2027	14190519.224	6293060.574	7897458.65
		2028	14381193.356	6305835.252	8075358.10
		2029	14565171.927	6317668.639	8247503.29
		2030	14697381.605	6326193.704	8371187.90
		2031	14842203.512	6335339.997	8506863.52
		2032	14982485.826	6344106.814	8638379.01
		2033	15118410.647	6352252.838	8766157.81
		2034	15250284.398	6359809.138	8890475.26
		2035	15322911.166	6363926.669	8958984.50
		2036	15405115.031	6368473.324	9036641.71
		2037	15484709.137	6372859.487	9111849.65
		2038	15561812.193	6376991.164	9184821.03
		2039	15635992.616	6380827.382	9255165.23
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.305	1865.158
		1992	439962.920	432980.759	6982.161
		1993	584735.615	568178.213	16557.402
		1994	727640.783	696330.651	31310.132
		1995	868486.937	816736.084	51750.853
		1996	1010321.847	930898.463	79423.385
		1997	1144230.930	1032467.730	111763.199
		1998	1274513.622	1124720.814	149792.808
		1999	1426725.938	1224917.692	201808.246
		2000	1573462.680	1314519.071	258943.608
		2001	1719132.015	1395364.185	323767.830
		2002	1863006.732	1467863.727	395143.005
		2003	2002943.227	1531796.164	471147.064
		2004	2137798.705	1587531.600	550267.105
		2005	2271071.245	1637614.210	633457.035
		2006	2400707.731	1681208.745	719498.986
		2007	2523634.512	1718574.925	805059.587
		2008	2648752.232	1752786.827	895965.406
		2009	2765973.961	1781990.646	983983.316
		2010	2881329.235	1808125.098	1073204.14
		2011	2994972.694	1831426.386	1163546.31
		2012	3108958.829	1852580.794	1256378.03
		2013	3218140.416	1871326.827	1346813.59
		2014	3328387.914	1888617.797	1439770.12
		2015	3435342.796	1904335.876	1531006.92
		2016	3539189.408	1918480.321	1620709.09
		2017	3640041.363	1931222.525	1708818.84
		2018	3732645.362	1942072.631	1790572.73
		2019	3821421.978	1951781.059	1869640.92
		2020	3902115.950	1960167.016	1941948.93
		2021	3984301.053	1968185.149	2016115.90
		2022	4062629.299	1975375.361	2087253.94
		2023	4137348.729	1981892.979	2155455.75
		2024	4208611.493	1987785.042	2220826.45
		2025	4269419.492	1992696.933	2276722.56
		2026	4330969.998	1997432.174	2333537.82
		2027	4389134.306	2001727.578	2387406.73
		2028	4444222.970	2005661.677	2438561.29
		2029	4496447.877	2009285.722	2487162.15
		2030	4536975.698	2012045.448	2524930.25
		2031	4578338.586	2014781.114	2563557.47
		2032	4617397.784	2017309.027	2600088.76
		2033	4654407.697	2019669.899	2634737.80
		2034	4689913.454	2021884.532	2668028.92
		2035	4712518.190	2023239.113	2689279.08
		2036	4735845.827	2024596.736	2711249.09
		2037	4757958.806	2025863.482	2732095.32
		2038	4778813.806	2027056.496	2751757.31
		2039	4798769.065	2028186.582	2770582.48
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220290.069	2676.209
		1993	296801.879	290428.109	6373.769
		1994	372453.706	360111.178	12342.528

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

	1995	448401.338	427535.345	20865.993
	1996	523536.301	491431.613	32104.688
	1997	596763.211	550717.116	46046.095
	1998	667546.681	605028.967	62517.714
	1999	734925.407	653823.555	81101.852
	2000	803749.361	700707.022	103042.339
	2001	870081.588	742863.913	127217.675
	2002	935347.140	781517.717	153829.423
	2003	1001627.349	817760.427	183866.922
	2004	1066587.976	850658.150	215929.826
	2005	1130548.052	880473.165	250074.886
	2006	1195132.454	908060.986	287071.468
	2007	1258974.043	933048.977	325925.066
	2008	1320124.867	954861.784	365263.083
	2009	1380776.123	974663.071	406113.052
	2010	1440048.533	992407.440	447641.093
	2011	1497484.847	1008174.552	489310.295
	2012	1554496.526	1022385.506	532111.021
	2013	1610819.598	1035228.176	575591.422
	2014	1667484.890	1046974.083	620510.807
	2015	1720948.287	1057265.764	663682.522
	2016	1775699.228	1066883.813	708815.415
	2017	1830250.175	1075695.797	754554.377
	2018	1875958.950	1082535.907	793423.043
	2019	1920359.232	1088678.743	831680.489
	2020	1960605.297	1093911.681	866693.616
	2021	1998912.887	1098529.058	900383.829
	2022	2036003.696	1102683.130	933320.566
	2023	2071857.536	1106423.391	965434.145
	2024	2106636.468	1109830.397	996806.071
	2025	2136450.873	1112620.839	1023830.03
	2026	2164796.470	1115113.711	1049682.76
	2027	2192079.608	1117401.801	1074677.81
	2028	2218404.367	1119487.230	1098917.14
	2029	2243769.140	1121395.910	1122373.23
	2030	2263570.213	1122842.581	1140727.63
	2031	2282521.590	1124175.746	1158345.84
	2032	2300804.945	1125416.952	1175387.99
	2033	2318464.018	1126561.533	1191902.48
	2034	2335611.973	1127625.890	1207986.08
	2035	2347097.290	1128326.848	1218770.44
	2036	2358248.747	1128986.788	1229261.96
	2037	2369033.655	1129615.785	1239417.87
	2038	2379490.114	1130206.810	1249283.30
	2039	2389546.238	1130756.488	1258789.75
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.680	515.182
	1992	165654.454	163676.615	1977.840
	1993	220008.519	215284.094	4724.425
	1994	275706.807	266525.569	9181.238
	1995	331417.547	315921.988	15495.559
	1996	387580.161	363587.240	23992.921
	1997	442778.242	408235.827	34542.415
	1998	496117.305	449198.396	46918.909
	1999	548268.214	487051.817	61216.397
	2000	601693.202	523617.530	78075.671
	2001	652221.103	556020.015	96201.087
	2002	703022.600	586363.142	116659.458
	2003	752023.351	613554.005	138469.345
	2004	799826.733	638079.658	161747.075
	2005	847563.928	660729.071	186834.857
	2006	894205.027	681103.792	213101.234
	2007	939571.282	699290.136	240281.146
	2008	983437.578	715453.262	267984.316
	2009	1025803.786	729789.069	296014.717
	2010	1066964.934	742524.700	324440.234
	2011	1106954.044	753838.522	353115.522
	2012	1146108.461	764002.956	382105.505
	2013	1183544.689	772942.081	410602.609
	2014	1221220.945	781173.815	440047.130
	2015	1258289.311	788712.437	469576.874
	2016	1294830.207	795546.858	499283.350
	2017	1330332.626	801671.395	528661.231
	2018	1360571.987	806512.888	554059.099
	2019	1389848.723	810827.373	579021.350
	2020	1416046.192	814469.826	601576.366
	2021	1440588.850	817636.060	622952.789
	2022	1464157.934	820459.853	643698.082

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

		2023	1486810.237	823004.034	663806.203
		2024	1508591.729	825285.943	683305.786
		2025	1526875.621	827128.872	699746.749
		2026	1543659.810	828716.929	714942.881
		2027	1559623.774	830145.482	729478.292
		2028	1574852.850	831442.632	743410.219
		2029	1589437.452	832624.373	756813.080
		2030	1600568.199	833498.140	767070.059
		2031	1610776.297	834266.636	776509.660
		2032	1620483.563	834971.661	785511.902
		2033	1629745.442	835623.948	794121.494
		2034	1638721.425	836230.647	802490.778
		2035	1644649.404	836616.301	808033.103
		2036	1650181.590	836962.753	813218.836
		2037	1655476.066	837286.724	818189.342
		2038	1660507.914	837592.644	822915.269
		2039	1665361.569	837882.376	827479.194
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347333.651	750.396
		1993	467278.318	465438.282	1840.036
		1994	584216.907	580602.594	3614.313
		1995	697391.457	691236.100	6155.356
		1996	809471.271	799851.298	9619.972
		1997	922587.668	908342.267	14245.400
		1998	1034072.457	1014109.630	19962.827
		1999	1153475.399	1125980.322	27495.077
		2000	1268050.268	1231651.689	36398.579
		2001	1382786.209	1335695.520	47090.689
		2002	1497557.412	1437791.121	59766.291
		2003	1614405.229	1539925.115	74480.115
		2004	1726672.489	1635979.242	90693.247
		2005	1847277.524	1737121.291	110156.233
		2006	1961009.963	1830128.205	130881.758
		2007	2079868.908	1924780.013	155088.896
		2008	2206755.783	2023349.211	183406.572
		2009	2331993.380	2117929.261	214064.120
	2010	2455130.176	2208328.500	246801.676	
	2011	2582657.849	2299080.319	283577.530	
	2012	2709719.005	2386518.017	323200.988	
	2013	2840547.005	2473399.463	367147.542	
	2014	2971677.135	2557386.002	414291.133	
	2015	3104538.983	2640521.621	464017.362	
	2016	3237650.175	2720456.909	517193.266	
	2017	3370561.253	2797364.314	573196.938	
	2018	3503136.371	2870499.162	632637.209	
	2019	3636402.758	2940903.120	695499.638	
	2020	3768054.453	3008104.229	759950.223	
	2021	3897675.067	3071201.223	826473.844	
	2022	4027307.132	3131246.124	896061.009	
	2023	4156698.720	3188145.610	968553.110	
	2024	4285772.226	3241952.697	1043819.53	
	2025	4410759.298	3292136.948	1118622.35	
	2026	4531411.064	3337597.342	1193813.72	
	2027	4651145.233	3380058.856	1271086.38	
	2028	4769837.872	3419587.646	1350250.23	
	2029	4887747.179	3456400.901	1431346.28	
2030	4997632.895	3489533.727	1508099.17		
2031	5103301.991	3518673.936	1584628.06		
2032	5207593.613	3545439.212	1662154.40		
2033	5310556.138	3569894.852	1740661.29		
2034	5412542.816	3592321.761	1820221.06		
2035	5500522.473	3611134.103	1889388.37		
2036	5588149.640	3628161.408	1959988.23		
2037	5674667.886	3643740.019	2030927.87		
2038	5760391.289	3657947.018	2102444.27		
2039	5845459.234	3670994.753	2174464.48		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.318	168.192
		1992	240642.531	240002.533	639.998
		1993	329362.093	327711.006	1651.088
		1994	418569.515	415261.603	3307.912
		1995	509110.357	503290.040	5820.317
		1996	600040.117	590794.292	9245.825
		1997	691159.071	677446.072	13712.998
		1998	782866.899	763574.922	19291.977
		1999	881526.925	854874.145	26652.781
		2000	977880.647	942720.508	35160.139

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

2001	1076787.404	1031350.457	45436.947
2002	1174842.754	1117538.840	57303.914
2003	1275102.681	1204033.824	71068.857
2004	1371026.306	1285122.594	85903.711
2005	1473954.509	1370084.502	103870.007
2006	1574450.828	1451073.739	123377.089
2007	1673790.211	1529116.615	144673.596
2008	1782360.738	1612168.869	170191.868
2009	1892944.209	1694113.177	198831.032
2010	2002131.282	1772799.491	229331.792
2011	2114522.152	1851071.142	263451.011
2012	2228079.372	1927660.305	300419.067
2013	2345377.689	2003937.915	341439.774
2014	2462498.422	2077261.144	385237.278
2015	2581450.312	2149842.334	431607.978
2016	2701959.301	2220492.243	481467.058
2017	2823834.967	2289069.670	534765.297
2018	2938265.081	2351413.375	586851.706
2019	3053254.880	2411379.734	641875.146
2020	3167073.216	2468696.934	698376.282
2021	3279517.699	2523356.268	756161.431
2022	3392060.964	2575501.444	816559.520
2023	3504296.171	2625042.824	879253.347
2024	3616019.231	2671844.737	944174.494
2025	3724611.269	2715677.999	1008933.27
2026	3827181.707	2755539.461	1071642.25
2027	3928684.441	2792826.857	1135857.58
2028	4029124.892	2827738.108	1201386.78
2029	4128269.068	2860131.351	1268137.72
2030	4221560.174	2889557.776	1332002.40
2031	4304170.584	2914129.931	1390040.65
2032	4384930.537	2936566.217	1448364.32
2033	4464357.691	2957188.163	1507169.53
2034	4542251.545	2975930.649	1566320.90
2035	4611066.648	2991980.955	1619085.69
2036	4670309.230	3004698.778	1665610.45
2037	4728179.514	3016210.115	1711969.40
2038	4785008.048	3026677.766	1758330.28
2039	4841291.793	3036210.420	1805081.37

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	237816.086	206094.948
		35-39	1146798.555	608029.616	538768.939
		40-44	2609591.408	1344509.831	1265081.58
		45-49	4775841.753	2420722.794	2355118.96
		50-54	7446969.205	3915377.207	3531592.00
		55-59	8240205.925	4761213.708	3478992.22
		60-64	8772829.118	5493123.621	3279705.50
		65-69	6161494.678	4241274.160	1920220.52
		70-74	2495906.274	1778336.015	717570.258
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	141677.959	87462.602
		35-39	570217.942	346082.325	224135.617
		40-44	1267538.938	746509.919	521029.019
		45-49	2340070.698	1355736.336	984334.362
		50-54	3743803.613	2184909.864	1558893.75
		55-59	4591478.168	2802209.667	1789268.50
		60-64	5207367.788	3302177.187	1905190.60
		65-69	4092181.394	2736219.747	1355961.65
70-74		1776092.171	1205470.726	570621.445	
Lung cancer	Males	30-34	66065.017	51633.718	14431.300
		35-39	232509.414	183158.293	49351.121
		40-44	688628.041	530426.663	158201.379
		45-49	1528300.367	1139959.265	388341.102
		50-54	2730187.229	2003605.130	726582.099
		55-59	3909101.673	2850750.074	1058351.60
		60-64	4287716.660	3220020.645	1067696.01
		65-69	3467897.115	2655088.765	812808.350
		70-74	1312144.343	1021135.005	291009.338
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40562.988	11350.125
		35-39	189792.904	148548.926	41243.978
		40-44	527596.573	395704.797	131891.776
		45-49	1122524.269	810494.894	312029.375
		50-54	1882214.322	1329146.153	553068.169
		55-59	2595581.943	1808753.291	786828.652
		60-64	2846273.090	2022389.331	823883.758
		65-69	2358758.394	1695104.315	663654.079
70-74		937814.238	681967.031	255847.207	
IHD	Males	30-34	263834.566	117341.521	146493.045
		35-39	692140.150	293579.265	398560.885
		40-44	1519708.432	585822.203	933886.230
		45-49	2568546.697	906951.582	1661595.11
		50-54	3632929.903	1335842.342	2297087.56
		55-59	2807892.356	1095208.795	1712683.56
		60-64	2599825.934	1190077.595	1409748.34
		65-69	1113578.307	583300.597	530277.711
		70-74	437536.271	261458.052	176078.218
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	37631.668	42017.429
		35-39	193965.908	80962.705	113003.203
		40-44	403380.974	150343.206	253037.768
		45-49	671385.408	231854.278	439531.130
		50-54	1011875.989	374883.613	636992.377
		55-59	849875.715	343323.807	506551.908
		60-64	925490.876	435837.118	489653.759
		65-69	455463.881	245966.704	209497.177
70-74		207681.216	125512.347	82168.869	
Stroke	Males	30-34	73463.650	42974.690	30488.960
		35-39	151934.057	86173.500	65760.557
		40-44	262845.974	141075.345	121770.629
		45-49	383421.246	192152.373	191268.873
		50-54	479872.634	218289.252	261583.382
		55-59	437124.903	184043.561	253081.342
		60-64	419457.235	180110.225	239347.010
		65-69	128180.574	57668.508	70512.066
		70-74	53245.965	26104.211	27141.754
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	39976.873	22942.217

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

		35-39	120806.205	72520.784	48285.421
		40-44	203391.885	113258.438	90133.447
		45-49	278172.097	143704.637	134467.460
		50-54	325979.181	156990.477	168988.704
		55-59	275161.340	124534.159	150627.180
		60-64	268920.493	123378.374	145542.119
		65-69	87956.054	41961.447	45994.606
		70-74	42055.224	20886.932	21168.291
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	25866.158	14681.643
		35-39	70214.933	45118.558	25096.375
		40-44	138408.960	87185.620	51223.340
		45-49	295573.443	181659.574	113913.869
		50-54	603979.438	357640.482	246338.956
		55-59	1086086.992	631211.277	454875.715
		60-64	1465829.290	902915.156	562914.134
		65-69	1451838.682	945216.291	506622.391
		70-74	692979.695	469638.747	223340.948
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	23506.430	11152.831
		35-39	65652.924	44049.910	21603.014
		40-44	133169.505	87203.478	45966.027
		45-49	267988.924	169682.527	98306.398
		50-54	523734.121	323889.621	199844.499
		55-59	870859.170	525598.409	345260.761
		60-64	1166683.329	720572.364	446110.965
		65-69	1190003.066	753187.280	436815.786
		70-74	588541.493	377104.416	211437.078
		75-79	0.000	0.000	0.000

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	237831.189	206079.845
		35-39	1146798.555	608144.015	538654.540
		40-44	2609591.408	1345255.245	1264336.16
		45-49	4775841.753	2424069.895	2351771.86
		50-54	7446969.205	3925606.829	3521362.38
		55-59	8240205.925	4777992.497	3462213.43
		60-64	8772829.118	5521885.702	3250943.42
		65-69	6161494.678	4266184.957	1895309.72
		70-74	2495906.274	1792057.286	703848.988
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	141681.839	87458.721
		35-39	570217.942	346111.348	224106.594
		40-44	1267538.938	746697.089	520841.849
		45-49	2340070.698	1356573.250	983497.449
		50-54	3743803.613	2187571.272	1556232.34
		55-59	4591478.168	2807388.653	1784089.51
		60-64	5207367.788	3312253.248	1895114.54
		65-69	4092181.394	2747177.425	1345003.97
70-74		1776092.171	1212554.857	563537.314	
Lung cancer	Males	30-34	66065.017	51637.321	14427.697
		35-39	232509.414	183197.589	49311.826
		40-44	688628.041	530767.349	157860.693
		45-49	1528300.367	1141773.635	386526.732
		50-54	2730187.229	2009508.362	720678.867
		55-59	3909101.673	2861608.070	1047493.60
		60-64	4287716.660	3238060.448	1049656.21
		65-69	3467897.115	2670801.235	797095.880
		70-74	1312144.343	1029094.985	283049.358
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40564.268	11348.845
		35-39	189792.904	148562.635	41230.269
		40-44	527596.573	395814.404	131782.169
		45-49	1122524.269	811033.229	311491.039
		50-54	1882214.322	1330877.813	551336.509
		55-59	2595581.943	1812241.007	783340.936
		60-64	2846273.090	2028828.369	817444.721
		65-69	2358758.394	1701851.320	656907.073
70-74		937814.238	685956.557	251857.681	
IHD	Males	30-34	263834.566	117348.570	146485.996
		35-39	692140.150	293627.499	398512.651
		40-44	1519708.432	586084.744	933623.689
		45-49	2568546.697	907879.990	1660666.71
		50-54	3632929.903	1338258.262	2294671.64
		55-59	2807892.356	1097395.933	1710496.42
		60-64	2599825.934	1193292.153	1406533.78
		65-69	1113578.307	584716.695	528861.612
		70-74	437536.271	262223.536	175312.735
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	37632.625	42016.472
		35-39	193965.908	80968.558	112997.350
		40-44	403380.974	150372.017	253008.957
		45-49	671385.408	231952.544	439432.864
		50-54	1011875.989	375163.881	636712.109
		55-59	849875.715	343631.489	506244.226
		60-64	925490.876	436414.514	489076.362
		65-69	455463.881	246302.678	209161.204
70-74		207681.216	125748.279	81932.938	
Stroke	Males	30-34	73463.650	42977.108	30486.541
		35-39	151934.057	86188.622	65745.435
		40-44	262845.974	141146.826	121699.149
		45-49	383421.246	192385.295	191035.951
		50-54	479872.634	218768.136	261104.498
		55-59	437124.903	184518.908	252605.995
		60-64	419457.235	180741.682	238715.552
		65-69	128180.574	57840.096	70340.478
		70-74	53245.965	26189.814	27056.151
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	39977.768	22941.322

Results for PHIM for Run 4 (ELL Summary Sensitivity_Analysis_4.RTF)

		35-39	120806.205	72525.703	48280.502
		40-44	203391.885	113280.217	90111.669
		45-49	278172.097	143769.116	134402.981
		50-54	325979.181	157120.212	168858.969
		55-59	275161.340	124669.632	150491.708
		60-64	268920.493	123579.038	145341.455
		65-69	87956.054	42029.740	45926.313
		70-74	42055.224	20930.949	21124.274
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	25868.190	14679.611
		35-39	70214.933	45130.306	25084.628
		40-44	138408.960	87256.327	51152.633
		45-49	295573.443	182030.975	113542.468
		50-54	603979.438	359072.069	244907.370
		55-59	1086086.992	634469.586	451617.406
		60-64	1465829.290	909791.419	556037.871
		65-69	1451838.682	952826.931	499011.751
		70-74	692979.695	474548.950	218430.745
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	23507.179	11152.082
		35-39	65652.924	44054.452	21598.472
		40-44	133169.505	87230.452	45939.053
		45-49	267988.924	169818.360	98170.564
		50-54	523734.121	324409.366	199324.754
		55-59	870859.170	526846.525	344012.645
		60-64	1166683.329	723431.327	443252.002
		65-69	1190003.066	756993.686	433009.380
		70-74	588541.493	379919.072	208622.421
		75-79	0.000	0.000	0.000

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

Estimated Loss of Life from the E Component for Run: 6, Simulation: 1

Country: US (United States)
 Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	24887990.085	17205557.9
	Female	2039	23817891.273	14858763.089	8959128.18
Lung cancer	Males	2039	18222549.860	13689702.011	4532847.85
	Female	2039	12512468.845	8953159.368	3559309.48
IHD	Males	2039	15635992.616	6408282.037	9227710.58
	Female	2039	4798769.065	2034999.242	2763769.82
Stroke	Males	2039	2389546.238	1133171.614	1256374.62
	Female	2039	1665361.569	839702.131	825659.438
COPD	Males	2039	5845459.234	3656834.423	2188624.81
	Female	2039	4841291.793	3030902.348	1810389.44

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	24987760.955	17105787.0
	Female	2039	23817891.273	14896031.911	8921859.36
Lung cancer	Males	2039	18222549.860	13750895.875	4471653.99
	Female	2039	12512468.845	8976366.894	3536101.95
IHD	Males	2039	15635992.616	6419917.284	9216075.33
	Female	2039	4798769.065	2036911.211	2761857.85
Stroke	Males	2039	2389546.238	1135384.269	1254161.97
	Female	2039	1665361.569	840382.788	824978.781
COPD	Males	2039	5845459.234	3681563.527	2163895.71
	Female	2039	4841291.793	3042371.018	1798920.77

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798434.586	32249.246
		1993	5076567.803	5000946.906	75620.896
		1994	6292145.526	6149976.372	142169.154
		1995	7485537.010	7250155.381	235381.628
		1996	8655955.028	8299471.258	356483.770
		1997	9791729.713	9287444.820	504284.893
		1998	10899134.186	10221750.872	677383.314
		1999	12070409.674	11161632.657	908777.017
		2000	13231384.595	12060982.774	1170401.82
		2001	14371761.018	12910027.597	1461733.42
		2002	15508906.386	13721354.619	1787551.77
		2003	16638100.422	14495288.821	2142811.60
		2004	17736465.088	15221478.193	2514986.90
		2005	18834658.606	15921379.614	2913278.99
		2006	19909100.501	16575120.681	3333979.82
		2007	20958321.463	17190503.849	3767817.61
		2008	22000068.148	17781818.816	4218249.33
		2009	23018816.903	18340438.858	4678378.04
		2010	24018480.537	18867874.062	5150606.47
		2011	25003034.574	19367859.185	5635175.39
		2012	25969871.429	19839149.862	6130721.57
		2013	26920275.180	20283886.808	6636388.37
		2014	27849005.227	20700438.587	7148566.64
		2015	28749620.400	21092285.813	7657334.59
		2016	29622417.562	21450934.320	8171483.24
		2017	30462559.724	21779078.466	8683481.26
		2018	31293299.299	22094316.707	9198982.59
		2019	32109993.427	22392005.685	9717987.74
		2020	32883323.977	22668583.006	10214741.0
		2021	33610102.554	22908335.714	10701766.8
		2022	34322010.448	23132992.841	11189017.6
		2023	35018383.550	23342695.647	11675687.9
		2024	35700177.955	23538670.030	12161507.9
		2025	36315500.346	23715209.361	12600291.0
		2026	36896159.343	23865363.134	13030796.2
		2027	37462570.116	24004837.420	13457732.7
		2028	38015337.780	24133763.203	13881574.6
		2029	38554814.764	24253394.965	14301419.8
		2030	39003805.400	24355496.529	14648308.9
2031	39436509.703	24442655.161	14993854.5		
2032	39858470.458	24523299.427	15335171.0		
2033	40270147.082	24597281.911	15672865.2		
2034	40672665.743	24665826.432	16006839.3		
2035	40962732.664	24717950.964	16244781.7		
2036	41255021.653	24765302.283	16489719.4		
2037	41540573.023	24809395.199	16731177.8		
2038	41820158.066	24850077.062	16970081.0		
2039	42093547.949	24887990.085	17205557.9		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1179606.280	2964.972	
1992		1777346.679	1766096.305	11250.374	
1993		2380261.899	2353263.093	26998.806	
1994		2983130.039	2931319.757	51810.282	
1995		3588982.584	3501953.523	87029.061	
1996		4195430.235	4060559.924	134870.311	
1997		4793866.694	4600671.168	193195.526	
1998		5389747.381	5126526.252	263221.129	
1999		6006722.467	5652715.455	354007.012	
2000		6625758.871	6168018.807	457740.064	
2001		7245135.411	6668487.021	576648.390	
2002		7867492.021	7156257.974	711234.047	
2003		8485051.793	7626554.750	858497.043	
2004		9092994.774	8075961.261	1017033.51	
2005		9706032.803	8515730.159	1190302.64	
2006		10311907.548	8936180.567	1375726.98	
2007		10909437.502	9339394.249	1570043.25	
2008		11506462.491	9727269.549	1779192.94	
2009		12098393.287	10101640.361	1996752.93	
2010		12681188.981	10457792.475	2223396.51	

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

		2011	13260062.991	10798738.277	2461324.71
		2012	13839417.441	11127117.676	2712299.76
		2013	14409614.758	11439743.335	2969871.42
		2014	14976658.746	11737068.874	3239589.87
		2015	15529977.821	12017564.307	3512413.51
		2016	16066640.764	12277519.978	3789120.79
		2017	16590035.078	12520553.767	4069481.31
		2018	17098716.137	12750182.261	4348533.88
		2019	17599868.850	12966993.505	4632875.34
		2020	18081346.241	13169666.108	4911680.13
		2021	18537594.460	13351960.240	5185634.22
		2022	18985300.234	13522947.927	5462352.31
		2023	19423958.747	13683075.993	5740882.75
		2024	19853347.772	13832206.824	6021140.95
		2025	20252822.245	13968151.855	6284670.39
		2026	20619307.063	14085592.972	6533714.09
		2027	20976063.406	14194224.517	6781838.89
		2028	21323641.947	14295009.910	7028632.04
		2029	21662117.106	14387854.892	7272462.21
		2030	21960971.694	14469065.345	7491906.35
		2031	22224951.983	14535105.805	7689846.18
		2032	22480397.853	14595468.444	7884929.41
		2033	22728639.455	14651038.140	8077601.31
		2034	22970448.888	14701861.824	8268587.06
		2035	23164154.188	14742673.556	8421480.63
		2036	23334538.616	14775340.127	8559198.49
		2037	23499760.723	14805363.258	8694397.47
		2038	23660308.401	14833070.569	8827237.83
		2039	23817891.273	14858763.089	8959128.18
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747588.533	2446.359
		1993	2319752.308	2313793.527	5958.781
		1994	2872597.339	2861045.078	11552.261
		1995	3411494.825	3391837.653	19657.172
		1996	3945569.726	3914495.663	31074.063
		1997	4463316.362	4417530.679	45785.684
		1998	4975301.180	4910811.171	64490.010
		1999	5473691.125	5386273.914	87417.211
		2000	5977500.570	5861414.513	116086.057
		2001	6474795.516	6324348.398	150447.118
		2002	6968769.705	6777566.036	191203.669
		2003	7460282.140	7221101.453	239180.687
		2004	7947048.275	7652847.479	294200.796
		2005	8430571.669	8073776.727	356794.941
		2006	8903945.390	8477180.737	426764.653
		2007	9364177.982	8860824.843	503353.139
		2008	9822525.458	9233305.023	589220.436
		2009	10275228.886	9591729.426	683499.460
		2010	10720275.500	9934794.551	785480.949
		2011	11155356.373	10260607.870	894748.503
		2012	11582611.617	10569893.412	1012718.20
		2013	11998803.791	10861111.683	1137692.11
		2014	12402087.090	11133666.335	1268420.75
		2015	12793451.706	11389335.343	1404116.36
		2016	13160101.653	11619450.943	1540650.71
		2017	13503583.414	11826453.128	1677130.29
		2018	13859755.737	12030372.970	1829382.77
		2019	14211625.176	12222759.575	1988865.60
		2020	14553935.288	12402328.584	2151606.70
		2021	14851747.495	12550817.494	2300930.00
		2022	15144531.004	12689420.258	2455110.75
		2023	15431932.496	12818280.557	2613651.94
		2024	15713920.740	12938069.728	2775851.01
		2025	15979112.816	13046453.462	2932659.35
		2026	16206550.153	13133073.216	3073476.94
		2027	16428826.050	13212932.565	3215893.49
		2028	16645902.186	13286293.759	3359608.43
		2029	16858126.517	13353971.817	3504154.70
		2030	17045220.687	13412146.413	3633074.27
		2031	17208482.610	13458465.874	3750016.74
		2032	17367586.074	13501084.220	3866501.85
		2033	17522716.280	13540028.024	3982688.26
		2034	17674226.555	13575968.746	4098257.81
		2035	17792201.734	13603649.245	4188552.49
		2036	17903508.236	13627648.060	4275860.18
		2037	18012162.345	13649969.049	4362193.30
		2038	18118464.470	13670521.012	4447943.46

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

	Female	2039	18222549.860	13689702.011	4532847.85
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.924	416.494
		1992	931086.773	929437.091	1649.683
		1993	1246155.671	1242093.631	4062.040
		1994	1561212.934	1553213.628	7999.306
		1995	1879967.742	1866032.029	13935.713
		1996	2197488.109	2175331.010	22157.100
		1997	2515698.453	2482608.369	33090.083
		1998	2836249.556	2789167.089	47082.467
		1999	3150201.390	3086076.267	64125.123
		2000	3472722.342	3387452.942	85269.400
		2001	3796994.889	3686144.933	110849.956
		2002	4126619.935	3984998.009	141621.926
		2003	4454982.533	4277799.448	177183.085
		2004	4784343.030	4565979.793	218363.238
		2005	5113443.121	4848189.302	265253.818
		2006	5442543.963	5123824.733	318719.229
		2007	5772441.497	5393583.143	378858.353
		2008	6091911.943	5648167.038	443744.905
		2009	6413671.330	5897179.262	516492.068
		2010	6730763.530	6135891.500	594872.030
		2011	7043614.101	6364048.785	679565.316
		2012	7356270.780	6584592.467	771678.312
		2013	7662551.964	6793313.329	869238.635
		2014	7964551.465	6991801.219	972750.246
		2015	8254895.403	7176520.027	1078375.38
		2016	8530661.848	7344885.640	1185776.21
		2017	8795826.122	7500478.214	1295347.91
		2018	9067233.707	7652042.179	1415191.53
		2019	9335343.270	7794800.790	1540542.48
		2020	9596110.883	7928140.853	1667970.03
		2021	9833186.859	8044554.281	1788632.58
		2022	10066452.037	8153301.841	1913150.20
		2023	10295503.609	8254694.050	2040809.56
		2024	10520125.318	8348666.489	2171458.83
		2025	10731915.863	8433953.920	2297961.94
		2026	10917495.549	8505070.744	2412424.80
		2027	11098620.885	8570491.778	2528129.11
		2028	11275441.234	8630880.893	2644560.34
		2029	11447962.710	8686213.969	2761748.74
		2030	11601867.623	8734208.834	2867658.79
		2031	11731666.516	8771911.514	2959755.00
		2032	11857585.969	8806269.488	3051316.48
		2033	11980128.625	8837803.897	3142324.73
		2034	12099562.464	8866583.777	3232978.69
		2035	12195919.946	8889337.070	3306582.88
		2036	12278201.969	8907226.531	3370975.44
		2037	12358146.336	8923718.755	3434427.58
		2038	12435978.633	8938972.731	3497005.90
		2039	12512468.845	8953159.368	3559309.48
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483224.043	26374.571
		1993	1992735.299	1931294.898	61440.401
		1994	2462877.575	2348239.744	114637.830
		1995	2928249.390	2739594.506	188654.884
		1996	3377377.730	3093782.886	283594.844
		1997	3809062.472	3411006.847	398055.625
		1998	4222213.867	3692037.119	530176.748
		1999	4708317.743	3995905.551	712412.192
		2000	5182084.396	4267705.073	914379.323
		2001	5644097.705	4507792.007	1136305.70
		2002	6107232.129	4725365.023	1381867.11
		2003	6561785.704	4917640.214	1644145.49
		2004	6996156.348	5083409.955	1912746.39
		2005	7426261.361	5231761.310	2194500.05
		2006	7849012.694	5361858.955	2487153.74
		2007	8255300.530	5474355.674	2780944.86
		2008	8650662.040	5573258.637	3077403.40
		2009	9030818.513	5659547.596	3371270.92
		2010	9403026.327	5736269.845	3666756.48
		2011	9767535.506	5804462.688	3963072.82
		2012	10123044.281	5865369.002	4257675.28
		2013	10470104.786	5919745.834	4550358.95
		2014	10807756.112	5968583.444	4839172.67
		2015	11130681.425	6011980.722	5118700.70
		2016	11448966.506	6051594.754	5397371.75

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

		2017	11758164.882	6087660.273	5670504.61
		2018	12054448.241	6119646.877	5934801.36
		2019	12341606.261	6149023.021	6192583.24
		2020	12600728.939	6174256.562	6426472.38
		2021	12861767.105	6198423.925	6663343.18
		2022	13114168.616	6220863.146	6893305.47
		2023	13357894.797	6241609.667	7116285.13
		2024	13593848.521	6261059.744	7332788.78
		2025	13789177.359	6276746.404	7512430.95
		2026	13993401.656	6292730.376	7700671.28
		2027	14190519.224	6307927.492	7882591.73
		2028	14381193.356	6322139.803	8059053.55
		2029	14565171.927	6335529.564	8229642.36
		2030	14697381.605	6345069.214	8352312.39
		2031	14842203.512	6355482.169	8486721.34
		2032	14982485.826	6365451.699	8617034.13
		2033	15118410.647	6374750.138	8743660.51
		2034	15250284.398	6383596.149	8866688.25
		2035	15322911.166	6388339.594	8934571.57
		2036	15405115.031	6393683.341	9011431.69
		2037	15484709.137	6398842.856	9085866.28
		2038	15561812.193	6403708.586	9158103.61
		2039	15635992.616	6408282.037	9227710.58
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.343	1865.120
		1992	439962.920	432980.445	6982.475
		1993	584735.615	568176.437	16559.178
		1994	727640.783	696325.214	31315.569
		1995	868486.937	816723.786	51763.151
		1996	1010321.847	930875.201	79446.646
		1997	1144230.930	1032429.233	111801.696
		1998	1274513.622	1124663.128	149850.494
		1999	1426725.938	1224831.278	201894.660
		2000	1573462.680	1314398.497	259064.182
		2001	1719132.015	1395207.636	323924.379
		2002	1863006.732	1467670.488	395336.244
		2003	2002943.227	1531571.071	471372.156
		2004	2137798.705	1587281.148	550517.557
		2005	2271071.245	1637344.027	633727.218
		2006	2400707.731	1680921.531	719786.200
		2007	2523634.512	1718281.768	805352.744
		2008	2648752.232	1752513.869	896238.363
		2009	2765973.961	1781756.663	984217.298
		2010	2881329.235	1807943.527	1073385.71
		2011	2994972.694	1831323.225	1163649.47
		2012	3108958.829	1852590.846	1256367.98
		2013	3218140.416	1871469.571	1346670.85
		2014	3328387.914	1888938.608	1439449.31
		2015	3435342.796	1904814.665	1530528.13
		2016	3539189.408	1919141.703	1620047.71
		2017	3640041.363	1932095.694	1707945.67
		2018	3732645.362	1943188.863	1789456.50
		2019	3821421.978	1953164.708	1868257.27
		2020	3902115.950	1961772.363	1940343.59
		2021	3984301.053	1970063.547	2014237.51
		2022	4062629.299	1977552.328	2085076.97
		2023	4137348.729	1984395.557	2152953.17
		2024	4208611.493	1990634.093	2217977.40
		2025	4269419.492	1995811.380	2273608.11
		2026	4330969.998	2000860.881	2330109.12
		2027	4389134.306	2005490.557	2383643.75
		2028	4444222.970	2009770.057	2434452.91
		2029	4496447.877	2013749.892	2482697.98
		2030	4536975.698	2016745.480	2520230.22
		2031	4578338.586	2019764.149	2558574.44
		2032	4617397.784	2022587.300	2594810.48
		2033	4654407.697	2025248.026	2629159.67
		2034	4689913.454	2027775.106	2662138.35
		2035	4712518.190	2029286.030	2683232.16
		2036	4735845.827	2030827.119	2705018.71
		2037	4757958.806	2032285.733	2725673.07
		2038	4778813.806	2033670.919	2745142.89
		2039	4798769.065	2034999.242	2763769.82
	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220289.499	2676.780
		1993	296801.879	290425.564	6376.314
		1994	372453.706	360103.975	12349.730
Stroke					

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

	1995	448401.338	427519.603	20881.735
	1996	523536.301	491402.513	32133.789
	1997	596763.211	550669.389	46093.822
	1998	667546.681	604957.567	62589.114
	1999	734925.407	653724.238	81201.169
	2000	803749.361	700571.854	103177.507
	2001	870081.588	742689.874	127391.714
	2002	935347.140	781299.123	154048.017
	2003	1001627.349	817496.508	184130.842
	2004	1066587.976	850348.329	216239.647
	2005	1130548.052	880116.964	250431.087
	2006	1195132.454	907659.151	287473.302
	2007	1258974.043	932608.092	326365.951
	2008	1320124.867	954394.612	365730.255
	2009	1380776.123	974177.514	406598.609
	2010	1440048.533	991910.689	448137.844
	2011	1497484.847	1007673.566	489811.280
	2012	1554496.526	1021898.864	532597.662
	2013	1610819.598	1034766.305	576053.293
	2014	1667484.890	1046566.983	620917.907
	2015	1720948.287	1056905.465	664042.821
	2016	1775699.228	1066596.984	709102.244
	2017	1830250.175	1075499.934	754750.241
	2018	1875958.950	1082422.219	793536.731
	2019	1920359.232	1088669.968	831689.264
	2020	1960605.297	1093991.402	866613.896
	2021	1998912.887	1098712.576	900200.311
	2022	2036003.696	1102984.529	933019.166
	2023	2071857.536	1106854.392	965003.144
	2024	2106636.468	1110411.445	996225.024
	2025	2136450.873	1113321.562	1023129.31
	2026	2164796.470	1115947.070	1048849.40
	2027	2192079.608	1118375.917	1073703.69
	2028	2218404.367	1120606.495	1097797.87
	2029	2243769.140	1122677.105	1121092.03
	2030	2263570.213	1124242.991	1139327.22
	2031	2282521.590	1125702.219	1156819.37
	2032	2300804.945	1127072.348	1173732.60
	2033	2318464.018	1128347.646	1190116.37
	2034	2335611.973	1129556.357	1206055.62
	2035	2347097.290	1130350.554	1216746.74
	2036	2358248.747	1131110.225	1227138.52
	2037	2369033.655	1131838.749	1237194.91
	2038	2379490.114	1132526.049	1246964.06
	2039	2389546.238	1133171.614	1256374.62
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.693	515.169
	1992	165654.454	163676.520	1977.935
	1993	220008.519	215283.525	4724.994
	1994	275706.807	266523.831	9182.976
	1995	331417.547	315917.980	15499.567
	1996	387580.161	363579.561	24000.600
	1997	442778.242	408222.887	34555.355
	1998	496117.305	449178.618	46938.687
	1999	548268.214	487023.459	61244.756
	2000	601693.202	523578.376	78114.825
	2001	652221.103	555969.673	96251.430
	2002	703022.600	586301.519	116721.081
	2003	752023.351	613481.965	138541.386
	2004	799826.733	638000.292	161826.441
	2005	847563.928	660643.593	186920.335
	2006	894205.027	681013.312	213191.715
	2007	939571.282	699199.870	240371.412
	2008	983437.578	715368.939	268068.639
	2009	1025803.786	729715.822	296087.964
	2010	1066964.934	742471.072	324493.862
	2011	1106954.044	753812.822	353141.222
	2012	1146108.461	764010.854	382097.607
	2013	1183544.689	772992.368	410552.321
	2014	1221220.945	781277.712	439943.233
	2015	1258289.311	788868.677	469420.634
	2016	1294830.207	795767.174	499063.034
	2017	1330332.626	801965.379	528367.247
	2018	1360571.987	806877.511	553694.477
	2019	1389848.723	811272.094	578576.629
	2020	1416046.192	814978.213	601067.979
	2021	1440588.850	818215.754	622373.095
	2022	1464157.934	821119.893	643038.042

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

		2023	1486810.237	823752.606	663057.631
		2024	1508591.729	826130.382	682461.347
		2025	1526875.621	828043.803	698831.818
		2026	1543659.810	829708.397	713951.413
		2027	1559623.774	831220.069	728403.706
		2028	1574852.850	832605.009	742247.841
		2029	1589437.452	833878.183	755559.270
		2030	1600568.199	834812.078	765756.121
		2031	1610776.297	835644.963	775131.334
		2032	1620483.563	836418.571	784064.992
		2033	1629745.442	837141.714	792603.728
		2034	1638721.425	837823.041	800898.384
		2035	1644649.404	838250.956	806398.448
		2036	1650181.590	838641.545	811540.044
		2037	1655476.066	839011.925	816464.142
		2038	1660507.914	839364.405	821143.509
		2039	1665361.569	839702.131	825659.438
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347332.511	751.536
		1993	467278.318	465432.918	1845.400
		1994	584216.907	580587.574	3629.332
		1995	697391.457	691203.620	6187.837
		1996	809471.271	799790.196	9681.074
		1997	922587.668	908237.905	14349.763
		1998	1034072.457	1013945.015	20127.442
		1999	1153475.399	1125728.954	27746.445
		2000	1268050.268	1231291.334	36758.934
		2001	1382786.209	1335197.317	47588.892
		2002	1497557.412	1437124.437	60432.974
		2003	1614405.229	1539050.646	75354.584
		2004	1726672.489	1634872.430	91800.059
		2005	1847277.524	1735724.612	111552.913
		2006	1961009.963	1828421.838	132588.125
		2007	2079868.908	1922715.241	157153.668
		2008	2206755.783	2020860.545	185895.238
		2009	2331993.380	2114984.322	217009.058
		2010	2455130.176	2204898.977	250231.200
		2011	2582657.849	2295115.061	287542.787
		2012	2709719.005	2381988.584	327730.421
		2013	2840547.005	2468262.987	372284.019
		2014	2971677.135	2551621.825	420055.310
		2015	3104538.983	2634064.283	470474.700
		2016	3237650.175	2713291.638	524358.537
		2017	3370561.253	2789465.132	581096.121
		2018	3503136.371	2861874.641	641261.730
		2019	3636402.758	2931553.121	704849.637
		2020	3768054.453	2998006.458	770047.994
		2021	3897675.067	3060381.720	837293.347
		2022	4027307.132	3119724.907	907582.225
		2023	4156698.720	3175951.031	980747.689
		2024	4285772.226	3229129.113	1056643.11
		2025	4410759.298	3278687.933	1132071.37
		2026	4531411.064	3323612.472	1207798.59
		2027	4651145.233	3365601.446	1285543.79
		2028	4769837.872	3404723.146	1365114.73
		2029	4887747.179	3441216.478	1446530.70
2030	4997632.895	3474037.912	1523594.98		
2031	5103301.991	3503004.898	1600297.09		
2032	5207593.613	3529691.160	1677902.45		
2033	5310556.138	3554156.104	1756400.03		
2034	5412542.816	3576705.180	1835837.64		
2035	5500522.473	3595611.571	1904910.90		
2036	5588149.640	3612860.657	1975288.98		
2037	5674667.886	3628744.545	2045923.34		
2038	5760391.289	3643321.415	2117069.87		
2039	5845459.234	3656834.423	2188624.81		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.321	168.190
		1992	240642.531	240002.249	640.282
		1993	329362.093	327709.499	1652.594
		1994	418569.515	415257.084	3312.431
		1995	509110.357	503279.728	5830.629
		1996	600040.117	590774.152	9265.965
		1997	691159.071	677410.678	13748.392
		1998	782866.899	763517.417	19349.482
		1999	881526.925	854784.451	26742.474
		2000	977880.647	942588.991	35291.656

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

2001	1076787.404	1031164.779	45622.625
2002	1174842.754	1117287.958	57554.795
2003	1275102.681	1203702.265	71400.416
2004	1371026.306	1284700.028	86326.278
2005	1473954.509	1369553.237	104401.272
2006	1574450.828	1450420.991	124029.837
2007	1673790.211	1528329.467	145460.744
2008	1782360.738	1611219.703	171141.034
2009	1892944.209	1692988.615	199955.594
2010	2002131.282	1771486.376	230644.906
2011	2114522.152	1849553.445	264968.707
2012	2228079.372	1925923.508	302155.863
2013	2345377.689	2001968.067	343409.622
2014	2462498.422	2075051.335	387447.087
2015	2581450.312	2147360.938	434089.373
2016	2701959.301	2217725.462	484233.839
2017	2823834.967	2286014.480	537820.487
2018	2938265.081	2348073.708	590191.373
2019	3053254.880	2407755.914	645498.966
2020	3167073.216	2464774.680	702298.536
2021	3279517.699	2519126.658	760391.041
2022	3392060.964	2570973.865	821087.099
2023	3504296.171	2620233.779	884062.392
2024	3616019.231	2666775.861	949243.370
2025	3724611.269	2710342.752	1014268.52
2026	3827181.707	2749952.951	1077228.76
2027	3928684.441	2787022.112	1141662.33
2028	4029124.892	2821753.950	1207370.94
2029	4128269.068	2854012.849	1274256.22
2030	4221560.174	2883298.953	1338261.22
2031	4304170.584	2907785.179	1396385.41
2032	4384930.537	2930193.084	1454737.45
2033	4464357.691	2950844.504	1513513.19
2034	4542251.545	2969679.900	1572571.64
2035	4611066.648	2985799.500	1625267.15
2036	4670309.230	2998644.931	1671664.30
2037	4728179.514	3010346.845	1717832.67
2038	4785008.048	3021062.514	1763945.53
2039	4841291.793	3030902.348	1810389.44

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798446.524	32237.308
		1993	5076567.803	5001001.163	75566.640
		1994	6292145.526	6150125.957	142019.570
		1995	7485537.010	7250477.008	235060.001
		1996	8655955.028	8300065.245	355889.783
		1997	9791729.713	9288429.823	503299.890
		1998	10899134.186	10223262.363	675871.822
		1999	12070409.674	11163859.637	906550.037
		2000	13231384.595	12064127.395	1167257.20
		2001	14371761.018	12914288.945	1457472.07
		2002	15508906.386	13726952.048	1781954.34
		2003	16638100.422	14502445.178	2135655.24
		2004	17736465.088	15230393.057	2506072.03
		2005	18834658.606	15932292.912	2902365.69
		2006	19909100.501	16588203.738	3320896.76
		2007	20958321.463	17205938.510	3752382.95
		2008	22000068.148	17799827.053	4200241.10
		2009	23018816.903	18361189.603	4657627.30
		2010	24018480.537	18891523.793	5126956.74
		2011	25003034.574	19394561.065	5608473.51
		2012	25969871.429	19869017.862	6100853.57
		2013	26920275.180	20317035.161	6603240.02
		2014	27849005.227	20736946.209	7112059.02
		2015	28749620.400	21132255.871	7617364.53
		2016	29622417.562	21494338.524	8128079.04
		2017	30462559.724	21825883.696	8636676.03
		2018	31293299.299	22144621.321	9148677.98
		2019	32109993.427	22445847.259	9664146.17
		2020	32883323.977	22725981.442	10157342.5
		2021	33610102.554	22969005.843	10641096.7
		2022	34322010.448	23196909.717	11125100.7
		2023	35018383.550	23409819.544	11608564.0
		2024	35700177.955	23608956.760	12091221.2
		2025	36315500.346	23788581.544	12526918.8
		2026	36896159.343	23941454.821	12954704.5
		2027	37462570.116	24083570.288	13378999.8
		2028	38015337.780	24215049.924	13800287.9
		2029	38554814.764	24337149.099	14217665.7
		2030	39003805.400	24441554.492	14562250.9
		2031	39436509.703	24530703.682	14905806.0
2032	39858470.458	24613246.324	15245224.1		
2033	40270147.082	24689026.325	15581120.8		
2034	40672665.743	24759284.610	15913381.1		
2035	40962732.664	24812859.632	16149873.0		
2036	41255021.653	24861522.097	16393499.6		
2037	41540573.023	24906863.893	16633709.1		
2038	41820158.066	24948726.878	16871431.2		
2039	42093547.949	24987760.955	17105787.0		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.280	2964.972
		1992	1777346.679	1766098.334	11248.346
		1993	2380261.899	2353272.960	26988.939
		1994	2983130.039	2931348.505	51781.534
		1995	3588982.584	3502018.243	86964.340
		1996	4195430.235	4060684.307	134745.928
		1997	4793866.694	4600885.395	192981.300
		1998	5389747.381	5126867.728	262879.653
		1999	6006722.467	5653231.639	353490.828
		2000	6625758.871	6168766.004	456992.867
		2001	7245135.411	6669523.718	575611.693
	2002	7867492.021	7157648.117	709843.903	
	2003	8485051.793	7628367.207	856684.586	
	2004	9092994.774	8078260.337	1014734.44	
	2005	9706032.803	8518591.328	1187441.47	
	2006	10311907.548	8939669.739	1372237.81	
	2007	10909437.502	9343581.602	1565855.90	
	2008	11506462.491	9732228.338	1774234.15	
	2009	12098393.287	10107442.516	1990950.77	
	2010	12681188.981	10464498.949	2216690.03	

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

		2011	13260062.991	10806411.841	2453651.15
		2012	13839417.441	11135826.587	2703590.85
		2013	14409614.758	11449544.412	2960070.35
		2014	14976658.746	11748014.392	3228644.35
		2015	15529977.821	12029705.186	3500272.64
		2016	16066640.764	12290876.204	3775764.56
		2017	16590035.078	12535157.687	4054877.39
		2018	17098716.137	12766068.425	4332647.71
		2019	17599868.850	12984191.365	4615677.49
		2020	18081346.241	13188200.623	4893145.62
		2021	18537594.460	13371808.838	5165785.62
		2022	18985300.234	13544120.571	5441179.66
		2023	19423958.747	13705576.453	5718382.29
		2024	19853347.772	13856028.272	5997319.50
		2025	20252822.245	13993282.934	6259539.31
		2026	20619307.063	14111944.601	6507362.46
		2027	20976063.406	14221772.664	6754290.74
		2028	21323641.947	14323731.813	6999910.13
		2029	21662117.106	14417716.899	7244400.21
		2030	21960971.694	14500021.237	7460950.46
		2031	22224951.983	14566995.325	7657956.66
		2032	22480397.853	14628245.010	7852152.84
		2033	22728639.455	14684664.083	8043975.37
		2034	22970448.888	14736291.283	8234157.60
		2035	23164154.188	14777826.363	8386327.82
		2036	23334538.616	14811074.355	8523464.26
		2037	23499760.723	14841641.212	8658119.51
		2038	23660308.401	14869859.225	8790449.18
		2039	23817891.273	14896031.911	8921859.36
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747594.314	2440.578
		1993	2319752.308	2313819.910	5932.398
		1994	2872597.339	2861118.422	11478.917
		1995	3411494.825	3391996.862	19497.963
		1996	3945569.726	3914794.566	30775.160
		1997	4463316.362	4418034.506	45281.857
		1998	4975301.180	4911600.607	63700.574
		1999	5473691.125	5387435.348	86255.777
		2000	5977500.570	5863072.185	114428.385
		2001	6474795.516	6326629.425	148166.091
		2002	6968769.705	6780611.337	188158.368
		2003	7460282.140	7225059.679	235222.460
		2004	7947048.275	7657873.342	289174.933
		2005	8430571.669	8080027.308	350544.360
		2006	8903945.390	8484797.190	419148.200
		2007	9364177.982	8869936.928	494241.054
		2008	9822525.458	9244065.914	578459.545
		2009	10275228.886	9604279.250	670949.636
		2010	10720275.500	9949261.732	771013.768
		2011	11155356.373	10277098.696	878257.677
		2012	11582611.617	10588496.918	994114.698
		2013	11998803.791	10881898.580	1116905.21
		2014	12402087.090	11156690.677	1245396.41
		2015	12793451.706	11414651.580	1378800.13
		2016	13160101.653	11647007.127	1513094.53
		2017	13503583.414	11856192.300	1647391.11
		2018	13859755.737	12062416.829	1797338.91
		2019	14211625.176	12257131.514	1954493.66
		2020	14553935.288	12439039.610	2114895.68
		2021	14851747.495	12589592.564	2262154.93
		2022	15144531.004	12730237.391	2414293.61
		2023	15431932.496	12861107.151	2570825.35
		2024	15713920.740	12982868.411	2731052.33
		2025	15979112.816	13093169.895	2885942.92
		2026	16206550.153	13181383.646	3025166.51
		2027	16428826.050	13262780.513	3166045.54
		2028	16645902.186	13337618.986	3308283.20
		2029	16858126.517	13406716.008	3451410.51
		2030	17045220.687	13466214.306	3579006.38
		2031	17208482.610	13513598.588	3694884.02
		2032	17367586.074	13557226.808	3810359.27
		2033	17522716.280	13597122.541	3925593.74
		2034	17674226.555	13633966.743	4040259.81
		2035	17792201.734	13662416.104	4129785.63
		2036	17903508.236	13687070.610	4216437.63
		2037	18012162.345	13710015.192	4302147.15
		2038	18118464.470	13731155.750	4387308.72

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

	Female	2039	18222549.860	13750895.875	4471653.99
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.924	416.494
		1992	931086.773	929438.206	1648.567
		1993	1246155.671	1242099.042	4056.629
		1994	1561212.934	1553229.509	7983.425
		1995	1879967.742	1866068.209	13899.533
		1996	2197488.109	2175401.147	22086.962
		1997	2515698.453	2482730.719	32967.734
		1998	2836249.556	2789364.978	46884.578
		1999	3150201.390	3086374.095	63827.294
		2000	3472722.342	3387887.605	84834.738
		2001	3796994.889	3686753.889	110241.000
		2002	4126619.935	3985825.555	140794.380
		2003	4454982.533	4278892.140	176090.394
		2004	4784343.030	4567386.486	216956.545
		2005	5113443.121	4849958.420	263484.701
		2006	5442543.963	5126007.358	316536.604
		2007	5772441.497	5396234.573	376206.923
		2008	6091911.943	5651326.043	440585.900
		2009	6413671.330	5900900.106	512771.224
		2010	6730763.530	6140219.849	590543.681
		2011	7043614.101	6369025.956	674588.145
		2012	7356270.780	6590267.236	766003.544
		2013	7662551.964	6799719.240	862832.724
		2014	7964551.465	6998974.965	965576.500
		2015	8254895.403	7184483.571	1070411.83
		2016	8530661.848	7353639.640	1177022.21
		2017	8795826.122	7510034.651	1285791.47
		2018	9067233.707	7662443.022	1404790.69
		2019	9335343.270	7806062.884	1529280.39
		2020	9596110.883	7940277.632	1655833.25
		2021	9833186.859	8057527.149	1775659.71
		2022	10066452.037	8167113.204	1899338.83
		2023	10295503.609	8269342.107	2026161.50
		2024	10520125.318	8364142.447	2155982.87
		2025	10731915.863	8450245.791	2281670.07
		2026	10917495.549	8522096.058	2395399.49
		2027	11098620.885	8588231.177	2510389.71
		2028	11275441.234	8649316.442	2626124.79
		2029	11447962.710	8705321.179	2742641.53
		2030	11601867.623	8753955.583	2847912.04
		2031	11731666.516	8792182.840	2939483.68
		2032	11857585.969	8827036.631	3030549.34
		2033	11980128.625	8859043.479	3121085.15
		2034	12099562.464	8888268.518	3211293.95
		2035	12195919.946	8911418.649	3284501.30
		2036	12278201.969	8929617.039	3348584.93
		2037	12358146.336	8946398.421	3411747.91
		2038	12435978.633	8961924.160	3474054.47
		2039	12512468.845	8976366.894	3536101.95
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483228.433	26370.182
		1993	1992735.299	1931314.532	61420.767
		1994	2462877.575	2348292.826	114584.749
		1995	2928249.390	2739706.765	188542.625
		1996	3377377.730	3093984.167	283393.563
		1997	3809062.472	3411329.684	397732.787
		1998	4222213.867	3692512.928	529700.939
		1999	4708317.743	3996604.384	711713.359
		2000	5182084.396	4268672.405	913411.991
		2001	5644097.705	4509063.670	1135034.03
		2002	6107232.129	4726980.202	1380251.93
		2003	6561785.704	4919625.299	1642160.40
		2004	6996156.348	5085776.549	1910379.80
		2005	7426261.361	5234529.384	2191731.98
		2006	7849012.694	5365033.009	2483979.69
		2007	8255300.530	5477931.482	2777369.05
		2008	8650662.040	5577235.697	3073426.34
		2009	9030818.513	5663917.457	3366901.06
		2010	9403026.327	5741026.251	3662000.08
		2011	9767535.506	5809596.584	3957938.92
		2012	10123044.281	5870871.844	4252172.44
		2013	10470104.786	5925606.773	4544498.01
		2014	10807756.112	5974792.010	4832964.10
		2015	11130681.425	6018527.176	5112154.25
		2016	11448966.506	6058471.372	5390495.13

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

		2017	11758164.882	6094857.768	5663307.11
		2018	12054448.241	6127134.551	5927313.69
		2019	12341606.261	6156790.765	6184815.50
		2020	12600728.939	6182292.554	6418436.38
		2021	12861767.105	6206720.014	6655047.09
		2022	13114168.616	6229409.694	6884758.92
		2023	13357894.797	6250397.828	7107496.97
		2024	13593848.521	6270083.868	7323764.65
		2025	13789177.359	6285990.920	7503186.44
		2026	13993401.656	6302197.964	7691203.69
		2027	14190519.224	6317614.132	7872905.09
		2028	14381193.356	6332039.225	8049154.13
		2029	14565171.927	6345635.776	8219536.15
		2030	14697381.605	6355350.621	8342030.98
		2031	14842203.512	6365953.926	8476249.59
		2032	14982485.826	6376110.381	8606375.44
		2033	15118410.647	6385588.859	8732821.79
		2034	15250284.398	6394611.203	8855673.20
		2035	15322911.166	6399469.596	8923441.57
		2036	15405115.031	6404943.188	9000171.84
		2037	15484709.137	6410231.625	9074477.51
		2038	15561812.193	6415222.796	9146589.40
		2039	15635992.616	6419917.284	9216075.33
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.343	1865.120
		1992	439962.920	432980.915	6982.005
		1993	584735.615	568178.649	16556.967
		1994	727640.783	696331.472	31309.310
		1995	868486.937	816737.416	51749.521
		1996	1010321.847	930900.637	79421.211
		1997	1144230.930	1032471.178	111759.752
		1998	1274513.622	1124726.800	149786.821
		1999	1426725.938	1224927.515	201798.423
		2000	1573462.680	1314534.124	258928.556
		2001	1719132.015	1395388.807	323743.208
		2002	1863006.732	1467902.634	395104.098
		2003	2002943.227	1531858.348	471084.879
		2004	2137798.705	1587626.231	550172.474
		2005	2271071.245	1637750.606	633320.639
		2006	2400707.731	1681390.031	719317.700
		2007	2523634.512	1718811.358	804823.154
		2008	2648752.232	1753106.651	895645.581
		2009	2765973.961	1782410.621	983563.340
		2010	2881329.235	1808658.591	1072670.64
		2011	2994972.694	1832098.693	1162874.00
		2012	3108958.829	1853426.159	1255532.67
		2013	3218140.416	1872363.278	1345777.14
		2014	3328387.914	1889890.808	1438497.11
		2015	3435342.796	1905825.786	1529517.01
		2016	3539189.408	1920210.734	1618978.67
		2017	3640041.363	1933221.335	1706820.03
		2018	3732645.362	1944366.139	1788279.22
		2019	3821421.978	1954391.521	1867030.46
		2020	3902115.950	1963046.633	1939069.32
		2021	3984301.053	1971386.195	2012914.86
		2022	4062629.299	1978921.153	2083708.15
		2023	4137348.729	1985808.951	2151539.78
		2024	4208611.493	1992090.090	2216521.40
		2025	4269419.492	1997307.717	2272111.77
		2026	4330969.998	2002398.022	2328571.98
		2027	4389134.306	2007066.456	2382067.85
		2028	4444222.970	2011383.069	2432839.90
		2029	4496447.877	2015398.503	2481049.37
		2030	4536975.698	2018425.923	2518549.77
		2031	4578338.586	2021477.223	2556861.36
		2032	4617397.784	2024331.450	2593066.33
		2033	4654407.697	2027022.197	2627385.50
		2034	4689913.454	2029578.341	2660335.11
		2035	4712518.190	2031111.507	2681406.68
		2036	4735845.827	2032675.454	2703170.37
		2037	4757958.806	2034156.007	2723802.80
		2038	4778813.806	2035562.333	2743251.47
		2039	4798769.065	2036911.211	2761857.85
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220290.117	2676.162
		1993	296801.879	290428.393	6373.486
		1994	372453.706	360111.958	12341.747

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

	1995	448401.338	427536.927	20864.410
	1996	523536.301	491434.568	32101.734
	1997	596763.211	550722.139	46041.072
	1998	667546.681	605037.168	62509.513
	1999	734925.407	653836.357	81089.050
	2000	803749.361	700726.030	103023.331
	2001	870081.588	742892.311	127189.277
	2002	935347.140	781557.286	153789.854
	2003	1001627.349	817817.450	183809.899
	2004	1066587.976	850737.891	215850.085
	2005	1130548.052	880579.814	249968.238
	2006	1195132.454	908200.536	286931.918
	2007	1258974.043	933230.880	325743.164
	2008	1320124.867	955097.684	365027.183
	2009	1380776.123	974962.530	405813.593
	2010	1440048.533	992777.673	447270.860
	2011	1497484.847	1008621.893	488862.954
	2012	1554496.526	1022926.815	531569.712
	2013	1610819.598	1035873.480	574946.117
	2014	1667484.890	1047752.105	619732.785
	2015	1720948.287	1058166.835	662781.452
	2016	1775699.228	1067934.440	707764.788
	2017	1830250.175	1076912.250	753337.924
	2018	1875958.950	1083898.074	792060.876
	2019	1920359.232	1090206.445	830152.786
	2020	1960605.297	1095585.373	865019.924
	2021	1998912.887	1100360.058	898552.829
	2022	2036003.696	1104682.581	931321.115
	2023	2071857.536	1108600.434	963257.103
	2024	2106636.468	1112203.476	994432.992
	2025	2136450.873	1115156.260	1021294.61
	2026	2164796.470	1117821.401	1046975.07
	2027	2192079.608	1120288.163	1071791.45
	2028	2218404.367	1122554.827	1095849.54
	2029	2243769.140	1124659.846	1119109.29
	2030	2263570.213	1126255.621	1137314.59
	2031	2282521.590	1127743.308	1154778.28
	2032	2300804.945	1129140.809	1171664.14
	2033	2318464.018	1130442.353	1188021.67
	2034	2335611.973	1131676.621	1203935.35
	2035	2347097.290	1132490.190	1214607.10
	2036	2358248.747	1133268.747	1224980.00
	2037	2369033.655	1134015.884	1235017.77
	2038	2379490.114	1134721.284	1244768.83
	2039	2389546.238	1135384.269	1254161.97
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.693	515.169
	1992	165654.454	163676.671	1977.784
	1993	220008.519	215284.237	4724.282
	1994	275706.807	266525.865	9180.942
	1995	331417.547	315922.479	15495.068
	1996	387580.161	363588.052	23992.109
	1997	442778.242	408237.129	34541.112
	1998	496117.305	449200.523	46916.782
	1999	548268.214	487055.032	61213.183
	2000	601693.202	523622.436	78070.766
	2001	652221.103	556028.006	96193.096
	2002	703022.600	586376.426	116646.174
	2003	752023.351	613575.175	138448.176
	2004	799826.733	638113.317	161713.415
	2005	847563.928	660778.090	186785.838
	2006	894205.027	681170.666	213034.361
	2007	939571.282	699380.755	240190.527
	2008	983437.578	715573.764	267863.814
	2009	1025803.786	729944.835	295858.951
	2010	1066964.934	742724.259	324240.675
	2011	1106954.044	754090.157	352863.888
	2012	1146108.461	764312.187	381796.273
	2013	1183544.689	773317.211	410227.478
	2014	1221220.945	781626.415	439594.530
	2015	1258289.311	789241.864	469047.447
	2016	1294830.207	796164.606	498665.601
	2017	1330332.626	802386.746	527945.880
	2018	1360571.987	807319.617	553252.370
	2019	1389848.723	811734.099	578114.623
	2020	1416046.192	815459.221	600586.971
	2021	1440588.850	818714.619	621874.230
	2022	1464157.934	821635.712	642522.222

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

		2023	1486810.237	824284.699	662525.538
		2024	1508591.729	826677.929	681913.800
		2025	1526875.621	828605.771	698269.850
		2026	1543659.810	830283.452	713376.357
		2027	1559623.774	831807.425	727816.350
		2028	1574852.850	833204.049	741648.801
		2029	1589437.452	834488.319	754949.134
		2030	1600568.199	835431.970	765136.230
		2031	1610776.297	836273.761	774502.536
		2032	1620483.563	837055.814	783427.750
		2033	1629745.442	837787.059	791958.383
		2034	1638721.425	838476.194	800245.231
		2035	1644649.404	838910.214	805739.190
		2036	1650181.590	839306.435	810875.154
		2037	1655476.066	839682.235	815793.831
		2038	1660507.914	840039.960	820467.953
		2039	1665361.569	840382.788	824978.781
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347333.661	750.387
		1993	467278.318	465438.328	1839.990
		1994	584216.907	580602.750	3614.156
		1995	697391.457	691236.454	6155.003
		1996	809471.271	799851.944	9619.326
		1997	922587.668	908343.494	14244.174
		1998	1034072.457	101411.660	19960.797
		1999	1153475.399	1125983.548	27491.851
		2000	1268050.268	1231656.775	36393.493
		2001	1382786.209	1335703.539	47082.671
		2002	1497557.412	1437803.224	59754.188
		2003	1614405.229	1539942.749	74462.480
		2004	1726672.489	1636005.275	90667.214
		2005	1847277.524	1737156.406	110121.118
		2006	1961009.963	1830173.003	130836.961
		2007	2079868.908	1924839.220	155029.688
		2008	2206755.783	2023427.759	183328.024
		2009	2331993.380	2118030.365	213963.015
	2010	2455130.176	2208458.136	246672.040	
	2011	2582657.849	2299243.893	283413.956	
	2012	2709719.005	2386722.285	322996.720	
	2013	2840547.005	2473656.327	366890.678	
	2014	2971677.135	2557711.416	413965.719	
	2015	3104538.983	2640910.281	463628.702	
	2016	3237650.175	2720925.584	516724.591	
	2017	3370561.253	2797921.377	572639.875	
	2018	3503136.371	2871171.866	631964.505	
	2019	3636402.758	2941718.536	694684.222	
	2020	3768054.453	3009063.906	758990.547	
	2021	3897675.067	3072333.206	825341.861	
	2022	4027307.132	3132580.050	894727.082	
	2023	4156698.720	3189714.131	966984.589	
	2024	4285772.226	3243801.004	1041971.22	
	2025	4410759.298	3294264.468	1116494.83	
	2026	4531411.064	3340051.809	1191359.26	
	2027	4651145.233	3382887.480	1268257.75	
	2028	4769837.872	3422836.887	1347000.98	
	2029	4887747.179	3460137.469	1427609.71	
2030	4997632.895	3493733.944	1503898.95		
2031	5103301.991	3523407.860	1579894.13		
2032	5207593.613	3550768.326	1656825.29		
2033	5310556.138	3575872.571	1734683.57		
2034	5412542.816	3599030.042	1813512.77		
2035	5500522.473	3618483.741	1882038.73		
2036	5588149.640	3636239.552	1951910.09		
2037	5674667.886	3652601.193	2022066.69		
2038	5760391.289	3667627.048	2092764.24		
2039	5845459.234	3681563.527	2163895.71		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.321	168.190
		1992	240642.531	240002.542	639.989
		1993	329362.093	327711.032	1651.061
		1994	418569.515	415261.659	3307.856
		1995	509110.357	503290.140	5820.218
		1996	600040.117	590794.471	9245.646
		1997	691159.071	677446.368	13712.702
		1998	782866.899	763575.427	19291.471
		1999	881526.925	854874.997	26651.928
		2000	977880.647	942721.840	35158.807

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

2001	1076787.404	1031353.015	45434.388
2002	1174842.754	1117543.502	57299.252
2003	1275102.681	1204041.544	71061.137
2004	1371026.306	1285134.303	85892.003
2005	1473954.509	1370104.212	103850.297
2006	1574450.828	1451101.684	123349.144
2007	1673790.211	1529154.915	144635.296
2008	1782360.738	1612221.880	170138.858
2009	1892944.209	1694186.954	198757.256
2010	2002131.282	1772896.250	229235.032
2011	2114522.152	1851197.036	263325.116
2012	2228079.372	1927821.005	300258.367
2013	2345377.689	2004144.683	341233.006
2014	2462498.422	2077522.205	384976.217
2015	2581450.312	2150153.964	431296.347
2016	2701959.301	2220861.223	481098.078
2017	2823834.967	2289514.954	534320.013
2018	2938265.081	2351939.648	586325.433
2019	3053254.880	2412002.861	641252.018
2020	3167073.216	2469417.136	697656.079
2021	3279517.699	2524180.874	755336.825
2022	3392060.964	2576450.502	815610.461
2023	3504296.171	2626140.697	878155.475
2024	3616019.231	2673117.806	942901.425
2025	3724611.269	2717123.655	1007487.61
2026	3827181.707	2757167.069	1070014.64
2027	3928684.441	2794667.606	1134016.83
2028	4029124.892	2829828.253	1199296.64
2029	4128269.068	2862508.899	1265760.17
2030	4221560.174	2892207.762	1329352.41
2031	4304170.584	2917061.502	1387109.08
2032	4384930.537	2939821.115	1445109.42
2033	4464357.691	2960811.348	1503546.34
2034	4542251.545	2979968.230	1562283.31
2035	4611066.648	2996385.993	1614680.65
2036	4670309.230	3009475.427	1660833.80
2037	4728179.514	3021404.548	1706774.97
2038	4785008.048	3032332.771	1752675.28
2039	4841291.793	3042371.018	1798920.77

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	239427.501	204483.533
		35-39	1146798.555	612287.737	534510.818
		40-44	2609591.408	1353598.019	1255993.39
		45-49	4775841.753	2435491.558	2340350.19
		50-54	7446969.205	3936318.273	3510650.93
		55-59	8240205.925	4781077.232	3459128.69
		60-64	8772829.118	5505869.576	3266959.54
		65-69	6161494.678	4245035.055	1916459.62
		70-74	2495906.274	1778885.133	717021.140
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	142500.099	86640.462
		35-39	570217.942	348027.764	222190.178
		40-44	1267538.938	750446.656	517092.282
		45-49	2340070.698	1362035.377	978035.321
		50-54	3743803.613	2193614.697	1550188.92
		55-59	4591478.168	2811358.838	1780119.33
		60-64	5207367.788	3307497.183	1899870.60
		65-69	4092181.394	2737677.053	1354504.34
70-74		1776092.171	1205605.423	570486.748	
75-79	0.000	0.000	0.000		
Lung cancer	Males	30-34	66065.017	51774.999	14290.019
		35-39	232509.414	183766.821	48742.594
		40-44	688628.041	532464.647	156163.394
		45-49	1528300.367	1144565.670	383734.697
		50-54	2730187.229	2011339.017	718848.213
		55-59	3909101.673	2860774.077	1048327.60
		60-64	4287716.660	3226388.480	1061328.18
		65-69	3467897.115	2657198.958	810698.157
		70-74	1312144.343	1021429.343	290715.000
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40721.303	11191.810
		35-39	189792.904	149118.700	40674.204
		40-44	527596.573	397390.680	130205.893
		45-49	1122524.269	813830.784	308693.485
		50-54	1882214.322	1334032.022	548182.300
		55-59	2595581.943	1814523.817	781058.126
		60-64	2846273.090	2025512.199	820760.890
		65-69	2358758.394	1695986.129	662772.264
70-74		937814.238	682043.733	255770.504	
75-79	0.000	0.000	0.000		
IHD	Males	30-34	263834.566	118564.787	145269.779
		35-39	692140.150	296651.303	395488.847
		40-44	1519708.432	591813.618	927894.814
		45-49	2568546.697	915400.512	1653146.19
		50-54	3632929.903	1346262.575	2286667.33
		55-59	2807892.356	1101108.868	1706783.49
		60-64	2599825.934	1193196.134	1406629.80
		65-69	1113578.307	583764.828	529813.479
		70-74	437536.271	261519.412	176016.858
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	38039.214	41609.883
		35-39	193965.908	81837.282	112128.625
		40-44	403380.974	151780.854	251600.120
		45-49	671385.408	233647.471	437737.937
		50-54	1011875.989	377039.754	634836.236
		55-59	849875.715	344575.347	505300.368
		60-64	925490.876	436499.356	488991.520
		65-69	455463.881	246059.135	209404.746
70-74		207681.216	125520.828	82160.388	
75-79	0.000	0.000	0.000		
Stroke	Males	30-34	73463.650	43145.800	30317.850
		35-39	151934.057	86583.952	65350.105
		40-44	262845.974	141762.161	121083.814
		45-49	383421.246	193030.866	190390.380
		50-54	479872.634	219325.532	260547.102
		55-59	437124.903	184862.709	252262.195
		60-64	419457.235	180618.855	238838.380
		65-69	128180.574	57728.686	70451.888
		70-74	53245.965	26113.054	27132.911
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	40145.767	22773.324

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

		35-39	120806.205	72842.546	47963.660
		40-44	203391.885	113714.885	89677.000
		45-49	278172.097	144216.899	133955.199
		50-54	325979.181	157494.745	168484.436
		55-59	275161.340	124868.594	150292.746
		60-64	268920.493	123551.069	145369.424
		65-69	87956.054	41978.772	45977.282
		70-74	42055.224	20888.856	21166.368
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	25941.916	14605.885
		35-39	70214.933	45285.662	24929.271
		40-44	138408.960	87557.593	50851.367
		45-49	295573.443	182494.511	113078.932
		50-54	603979.438	359391.149	244588.289
		55-59	1086086.992	634331.579	451755.413
		60-64	1465829.290	905666.106	560163.184
		65-69	1451838.682	946342.583	505496.099
		70-74	692979.695	469823.324	223156.370
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	23593.815	11065.446
		35-39	65652.924	44229.236	21423.689
		40-44	133169.505	87560.237	45609.268
		45-49	267988.924	170340.223	97648.701
		50-54	523734.121	325048.176	198685.945
		55-59	870859.170	527391.081	343468.089
		60-64	1166683.329	721934.558	444748.771
		65-69	1190003.066	753653.016	436350.050
		70-74	588541.493	377152.005	211389.488
		75-79	0.000	0.000	0.000

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	239442.992	204468.041
		35-39	1146798.555	612405.574	534392.981
		40-44	2609591.408	1354365.871	1255225.54
		45-49	4775841.753	2438928.076	2336913.68
		50-54	7446969.205	3946799.824	3500169.38
		55-59	8240205.925	4798185.385	3442020.54
		60-64	8772829.118	5534955.949	3237873.17
		65-69	6161494.678	4270050.567	1891444.11
		70-74	2495906.274	1792626.717	703279.557
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	142504.073	86636.488
		35-39	570217.942	348057.520	222160.422
		40-44	1267538.938	750638.172	516900.766
		45-49	2340070.698	1362889.037	977181.661
		50-54	3743803.613	2196323.715	1547479.90
		55-59	4591478.168	2816616.166	1774862.00
		60-64	5207367.788	3317649.037	1889718.75
		65-69	4092181.394	2748661.357	1343520.04
70-74		1776092.171	1212692.834	563399.337	
Lung cancer	Males	30-34	66065.017	51778.628	14286.389
		35-39	232509.414	183806.578	48702.837
		40-44	688628.041	532810.320	155817.721
		45-49	1528300.367	1146407.856	381892.512
		50-54	2730187.229	2017334.931	712852.299
		55-59	3909101.673	2871797.867	1037303.81
		60-64	4287716.660	3244589.489	1043127.17
		65-69	3467897.115	2672969.994	794927.121
		70-74	1312144.343	1029400.213	282744.130
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40722.599	11190.514
		35-39	189792.904	149132.619	40660.285
		40-44	527596.573	397502.153	130094.420
		45-49	1122524.269	814378.018	308146.251
		50-54	1882214.322	1335790.448	546423.874
		55-59	2595581.943	1818061.024	777520.920
		60-64	2846273.090	2031995.654	814277.436
		65-69	2358758.394	1702749.245	656009.149
70-74		937814.238	686035.134	251779.103	
IHD	Males	30-34	263834.566	118572.145	145262.420
		35-39	692140.150	296702.071	395438.079
		40-44	1519708.432	592091.114	927617.318
		45-49	2568546.697	916380.431	1652166.27
		50-54	3632929.903	1348804.772	2284125.13
		55-59	2807892.356	1103394.703	1704497.65
		60-64	2599825.934	1196490.793	1403335.14
		65-69	1113578.307	585194.043	528384.265
		70-74	437536.271	262287.211	175249.060
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	38040.220	41608.876
		35-39	193965.908	81843.475	112122.433
		40-44	403380.974	151811.268	251569.706
		45-49	671385.408	233750.529	437634.879
		50-54	1011875.989	377331.881	634544.109
		55-59	849875.715	344893.804	504981.911
		60-64	925490.876	437086.250	488404.627
		65-69	455463.881	246396.812	209067.070
70-74		207681.216	125756.972	81924.245	
Stroke	Males	30-34	73463.650	43148.257	30315.393
		35-39	151934.057	86599.397	65334.660
		40-44	262845.974	141835.274	121010.701
		45-49	383421.246	193268.959	190152.287
		50-54	479872.634	219816.661	260055.973
		55-59	437124.903	185351.497	251773.407
		60-64	419457.235	181263.262	238193.973
		65-69	128180.574	57901.973	70278.601
		70-74	53245.965	26198.991	27046.974
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	40146.680	22772.410

Results for PHIM for Run 6 (ELL Summary Sensitivity_Analysis_4.RTF)

		35-39	120806.205	72847.585	47958.620
		40-44	203391.885	113737.161	89654.724
		45-49	278172.097	144282.726	133889.371
		50-54	325979.181	157627.221	168351.960
		55-59	275161.340	125006.918	150154.422
		60-64	268920.493	123754.194	145166.299
		65-69	87956.054	42047.382	45908.672
		70-74	42055.224	20932.920	21122.303
		75-79	0.000	0.000	0.000
COPD	Males	30-34	40547.801	25943.962	14603.839
		35-39	70214.933	45297.528	24917.405
		40-44	138408.960	87629.164	50779.796
		45-49	295573.443	182870.830	112702.613
		50-54	603979.438	360843.460	243135.978
		55-59	1086086.992	637641.319	448445.673
		60-64	1465829.290	912612.406	553216.884
		65-69	1451838.682	953984.557	497854.125
		70-74	692979.695	474740.302	218239.393
		75-79	0.000	0.000	0.000
	Female	30-34	34659.261	23594.573	11064.688
		35-39	65652.924	44233.841	21419.084
		40-44	133169.505	87587.590	45581.916
		45-49	267988.924	170477.764	97511.160
		50-54	523734.121	325574.165	198159.956
		55-59	870859.170	528654.420	342204.750
		60-64	1166683.329	724812.939	441870.390
		65-69	1190003.066	757467.919	432535.147
		70-74	588541.493	379967.808	208573.686
		75-79	0.000	0.000	0.000

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

Estimated Loss of Life from the E Component for Run: 8, Simulation: 1

Country: US (United States)

Follow-up Period: 1990 to 2039

Table 1: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	24925542.192	17168005.8
	Female	2039	23817891.273	14874543.482	8943347.79
Lung cancer	Males	2039	18222549.860	13704216.169	4518333.69
	Female	2039	12512468.845	8961655.229	3550813.62
IHD	Males	2039	15635992.616	6424822.793	9211169.82
	Female	2039	4798769.065	2038669.294	2760099.77
Stroke	Males	2039	2389546.238	1135154.630	1254391.61
	Female	2039	1665361.569	840738.853	824622.716
COPD	Males	2039	5845459.234	3661348.599	2184110.63
	Female	2039	4841291.793	3033480.107	1807811.69

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 2: Estimated Loss of Life, at the end of follow-up, all age groups combined, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	2039	42093547.949	25025790.553	17067757.4
	Female	2039	23817891.273	14911919.194	8905972.08
Lung cancer	Males	2039	18222549.860	13765627.307	4456922.55
	Female	2039	12512468.845	8984925.025	3527543.82
IHD	Males	2039	15635992.616	6436620.192	9199372.42
	Female	2039	4798769.065	2040599.366	2758169.70
Stroke	Males	2039	2389546.238	1137387.067	1252159.17
	Female	2039	1665361.569	841423.998	823937.571
COPD	Males	2039	5845459.234	3686155.987	2159303.25
	Female	2039	4841291.793	3044970.805	1796320.99

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 3: Estimated Loss of Life, All age groups combined, Population unadjusted for deaths in Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798434.752	32249.079
		1993	5076567.803	5000947.787	75620.016
		1994	6292145.526	6149978.624	142166.903
		1995	7485537.010	7250160.912	235376.097
		1996	8655955.028	8299482.414	356472.613
		1997	9791729.713	9287465.334	504264.379
		1998	10899134.186	10221783.822	677350.364
		1999	12070409.674	11161686.084	908723.590
		2000	13231384.595	12061065.861	1170318.73
		2001	14371761.018	12910156.347	1461604.67
		2002	15508906.386	13721539.583	1787366.80
		2003	16638100.422	14495559.436	2142540.99
		2004	17736465.088	15221858.192	2514606.90
		2005	18834658.606	15921894.518	2912764.09
		2006	19909100.501	16575811.663	3333288.84
		2007	20958321.463	17191405.506	3766915.96
		2008	22000068.148	17782968.225	4217099.92
		2009	23018816.903	18341889.262	4676927.64
		2010	24018480.537	18869692.317	5148788.22
		2011	25003034.574	19370095.792	5632938.78
		2012	25969871.429	19841875.900	6127995.53
		2013	26920275.180	20287172.276	6633102.90
		2014	27849005.227	20704382.904	7144622.32
		2015	28749620.400	21096863.994	7652756.41
		2016	29622417.562	21456219.040	8166198.52
		2017	30462559.724	21785126.942	8677432.78
		2018	31293299.299	22101316.663	9191982.64
		2019	32109993.427	22400097.863	9709895.56
		2020	32883323.977	22677651.205	10205672.8
		2021	33610102.554	22918529.302	10691573.3
		2022	34322010.448	23144408.436	11177602.0
		2023	35018383.550	23355431.078	11662952.5
		2024	35700177.955	23552900.422	12147277.5
		2025	36315500.346	23730690.583	12584809.8
		2026	36896159.343	23882304.321	13013855.0
		2027	37462570.116	24023342.946	13439227.2
		2028	38015337.780	24153951.665	13861386.1
		2029	38554814.764	24275419.642	14279395.1
		2030	39003805.400	24378874.673	14624930.7
		2031	39436509.703	24467621.810	14968887.9
2032	39858470.458	24549935.659	15308534.8		
2033	40270147.082	24625699.024	15644448.1		
2034	40672665.743	24696166.471	15976499.3		
2035	40962732.664	24749495.183	16213237.5		
2036	41255021.653	24798242.637	16456779.0		
2037	41540573.023	24843799.294	16696773.7		
2038	41820158.066	24886003.044	16934155.0		
2039	42093547.949	24925542.192	17168005.8		
	Female	1990	588979.406	588979.406	0.000
1991		1182571.252	1179606.299	2964.953	
1992		1777346.679	1766096.393	11250.286	
1993		2380261.899	2353263.279	26998.620	
1994		2983130.039	2931320.159	51809.880	
1995		3588982.584	3501954.206	87028.378	
1996		4195430.235	4060561.125	134869.109	
1997		4793866.694	4600673.189	193193.505	
1998		5389747.381	5126529.691	263217.690	
1999		6006722.467	5652721.470	354000.997	
2000		6625758.871	6168028.544	457730.327	
2001		7245135.411	6668504.477	576630.934	
2002		7867492.021	7156286.319	711205.702	
2003		8485051.793	7626602.328	858449.464	
2004		9092994.774	8076029.301	1016965.47	
2005		9706032.803	8515822.055	1190210.75	
2006		10311907.548	8936308.949	1375598.60	
2007		10909437.502	9339572.336	1569865.17	
2008		11506462.491	9727515.953	1778946.54	
2009		12098393.287	10101967.696	1996425.59	
2010		12681188.981	10458217.091	2222971.89	

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

		2011	13260062.991	10799283.034	2460779.96
		2012	13839417.441	11127813.507	2711603.93
		2013	14409614.758	11440619.846	2968994.91
		2014	14976658.746	11738163.160	3238495.59
		2015	15529977.821	12018853.358	3511124.46
		2016	16066640.764	12279031.393	3787609.37
		2017	16590035.078	12522325.515	4067709.56
		2018	17098716.137	12752284.634	4346431.50
		2019	17599868.850	12969484.683	4630384.17
		2020	18081346.241	13172510.837	4908835.40
		2021	18537594.460	13355211.468	5182382.99
		2022	18985300.234	13526660.136	5458640.10
		2023	19423958.747	13687324.551	5736634.20
		2024	19853347.772	13837071.815	6016275.96
		2025	20252822.245	13973537.731	6279284.51
		2026	20619307.063	14091558.955	6527748.11
		2027	20976063.406	14200830.658	6775232.75
		2028	21323641.947	14302341.129	7021300.82
		2029	21662117.106	14396005.350	7266111.76
		2030	21960971.694	14477844.930	7483126.76
		2031	22224951.983	14544574.809	7680377.17
		2032	22480397.853	14605680.506	7874717.35
		2033	22728639.455	14662091.444	8066548.01
		2034	22970448.888	14713849.900	8256598.99
		2035	23164154.188	14755305.931	8408848.26
		2036	23334538.616	14788671.743	8545866.87
		2037	23499760.723	14819439.578	8680321.15
		2038	23660308.401	14847968.217	8812340.18
		2039	23817891.273	14874543.482	8943347.79
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747588.537	2446.355
		1993	2319752.308	2313793.555	5958.752
		1994	2872597.339	2861045.153	11552.186
		1995	3411494.825	3391837.853	19656.972
		1996	3945569.726	3914496.109	31073.617
		1997	4463316.362	4417531.536	45784.826
		1998	4975301.180	4910812.641	64488.539
		1999	5473691.125	5386276.315	87414.809
		2000	5977500.570	5861418.731	116081.839
		2001	6474795.516	6324355.391	150440.125
		2002	6968769.705	6777577.193	191192.512
		2003	7460282.140	7221119.419	239162.721
		2004	7947048.275	7652874.666	294173.609
		2005	8430571.669	8073817.178	356754.490
		2006	8903945.390	8477239.178	426706.212
		2007	9364177.982	8860907.431	503270.551
		2008	9822525.458	9233420.505	589104.953
		2009	10275228.886	9591889.014	683339.873
		2010	10720275.500	9935011.996	785263.504
		2011	11155356.373	10260891.190	894465.183
		2012	11582611.617	10570266.773	1012344.84
		2013	11998803.791	10861592.150	1137211.64
		2014	12402087.090	11134284.799	1267802.29
		2015	12793451.706	11390100.383	1403351.32
		2016	13160101.653	11620382.421	1539719.23
		2017	13503583.414	11827573.817	1676009.60
		2018	13859755.737	12031763.798	1827991.94
		2019	14211625.176	12224479.561	1987145.61
		2020	14553935.288	12404380.097	2149555.19
		2021	14851747.495	12553235.394	2298512.10
		2022	15144531.004	12692255.204	2452275.80
		2023	15431932.496	12821591.775	2610340.72
		2024	15713920.740	12941942.281	2771978.46
		2025	15979112.816	13050836.323	2928276.49
		2026	16206550.153	13138021.383	3068528.77
		2027	16428826.050	13218502.497	3210323.55
		2028	16645902.186	13292552.840	3353349.35
		2029	16858126.517	13361012.508	3497114.01
		2030	17045220.687	13419817.511	3625403.18
		2031	17208482.610	13466843.505	3741639.11
		2032	17367586.074	13510217.297	3857368.78
		2033	17522716.280	13549974.527	3972741.75
		2034	17674226.555	13586813.321	4087413.23
		2035	17792201.734	13615113.387	4177088.35
		2036	17903508.236	13639818.973	4263689.26
		2037	18012162.345	13662879.338	4349283.01
		2038	18118464.470	13684203.521	4434260.95

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

	Female	2039	18222549.860	13704216.169	4518333.69
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.925	416.493
		1992	931086.773	929437.098	1649.675
		1993	1246155.671	1242093.647	4062.024
		1994	1561212.934	1553213.662	7999.272
		1995	1879967.742	1866032.088	13935.654
		1996	2197488.109	2175331.118	22156.991
		1997	2515698.453	2482608.579	33089.873
		1998	2836249.556	2789167.469	47082.088
		1999	3150201.390	3086076.927	64124.463
		2000	3472722.342	3387454.069	85268.273
		2001	3796994.889	3686147.039	110847.850
		2002	4126619.935	3985001.660	141618.275
		2003	4454982.533	4277806.102	177176.432
		2004	4784343.030	4565990.097	218352.933
		2005	5113443.121	4848203.787	265239.334
		2006	5442543.963	5123847.687	318696.275
		2007	5772441.497	5393617.270	378824.227
		2008	6091911.943	5648217.881	443694.062
		2009	6413671.330	5897252.496	516418.834
		2010	6730763.530	6135993.234	594770.296
		2011	7043614.101	6364184.576	679429.525
		2012	7356270.780	6584776.153	771494.627
		2013	7662551.964	6793556.995	868994.969
		2014	7964551.465	6992116.016	972435.448
		2015	8254895.403	7176903.825	1077991.58
		2016	8530661.848	7345352.122	1185309.73
		2017	8795826.122	7501040.504	1294785.62
		2018	9067233.707	7652753.194	1414480.51
		2019	9335343.270	7795691.930	1539651.34
		2020	9596110.883	7929207.348	1666903.54
		2021	9833186.859	8045819.004	1787367.85
		2022	10066452.037	8154798.205	1911653.83
		2023	10295503.609	8256468.389	2039035.22
		2024	10520125.318	8350767.584	2169357.73
		2025	10731915.863	8436341.800	2295574.06
		2026	10917495.549	8507774.681	2409720.87
		2027	11098620.885	8573549.957	2525070.93
		2028	11275441.234	8634349.148	2641092.09
		2029	11447962.710	8690153.313	2757809.40
		2030	11601867.623	8738517.918	2863349.71
		2031	11731666.516	8776624.269	2955042.25
		2032	11857585.969	8811420.952	3046165.02
		2033	11980128.625	8843452.436	3136676.19
		2034	12099562.464	8872787.593	3226774.87
		2035	12195919.946	8895929.079	3299990.87
		2036	12278201.969	8914243.326	3363958.64
		2037	12358146.336	8931184.312	3426962.02
		2038	12435978.633	8946934.519	3489044.11
		2039	12512468.845	8961655.229	3550813.62
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483224.184	26374.430
		1993	1992735.299	1931295.634	61439.665
		1994	2462877.575	2348241.617	114635.958
		1995	2928249.390	2739599.105	188650.284
		1996	3377377.730	3093792.192	283585.537
		1997	3809062.472	3411023.925	398038.547
		1998	4222213.867	3692064.508	530149.359
		1999	4708317.743	3995950.405	712367.339
		2000	5182084.396	4267774.595	914309.802
		2001	5644097.705	4507899.459	1136198.25
		2002	6107232.129	4725518.647	1381713.48
		2003	6561785.704	4917862.934	1643922.77
		2004	6996156.348	5083720.828	1912435.52
		2005	7426261.361	5232178.942	2194082.42
		2006	7849012.694	5362415.838	2486596.86
		2007	8255300.530	5475074.106	2780226.42
		2008	8650662.040	5574159.597	3076502.44
		2009	9030818.513	5660667.891	3370150.62
		2010	9403026.327	5737653.438	3665372.89
		2011	9767535.506	5806145.570	3961389.94
		2012	10123044.281	5867386.070	4255658.21
		2013	10470104.786	5922139.293	4547965.49
		2014	10807756.112	5971397.680	4836358.43
		2015	11130681.425	6015196.706	5115484.72
		2016	11448966.506	6055246.220	5393720.29

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

		2017	11758164.882	6091770.892	5666393.99
		2018	12054448.241	6124319.442	5930128.80
		2019	12341606.261	6154316.473	6187289.79
		2020	12600728.939	6180068.095	6420660.84
		2021	12861767.105	6204852.202	6656914.90
		2022	13114168.616	6227936.480	6886232.14
		2023	13357894.797	6249346.721	7108548.08
		2024	13593848.521	6269520.176	7324328.35
		2025	13789177.359	6285760.800	7503416.56
		2026	13993401.656	6302429.305	7690972.35
		2027	14190519.224	6318335.380	7872183.84
		2028	14381193.356	6333281.083	8047912.27
		2029	14565171.927	6347426.881	8217745.05
		2030	14697381.605	6357435.149	8339946.46
		2031	14842203.512	6368444.738	8473758.77
		2032	14982485.826	6379015.343	8603470.48
		2033	15118410.647	6388937.156	8729473.49
		2034	15250284.398	6398419.419	8851864.98
		2035	15322911.166	6403443.869	8919467.30
		2036	15405115.031	6409140.284	8995974.75
		2037	15484709.137	6414659.981	9070049.16
		2038	15561812.193	6419886.203	9141925.99
		2039	15635992.616	6424822.793	9211169.82
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.355	1865.107
		1992	439962.920	432980.503	6982.417
		1993	584735.615	568176.560	16559.055
		1994	727640.783	696325.467	31315.316
		1995	868486.937	816724.209	51762.729
		1996	1010321.847	930875.951	79445.896
		1997	1144230.930	1032430.480	111800.449
		1998	1274513.622	1124665.271	149848.350
		1999	1426725.938	1224835.113	201890.825
		2000	1573462.680	1314404.661	259058.019
		2001	1719132.015	1395218.572	323913.443
		2002	1863006.732	1467687.841	395318.891
		2003	2002943.227	1531599.362	471343.866
		2004	2137798.705	1587320.566	550478.139
		2005	2271071.245	1637396.399	633674.846
		2006	2400707.731	1680992.224	719715.507
		2007	2523634.512	1718377.125	805257.388
		2008	2648752.232	1752643.024	896109.208
		2009	2765973.961	1781922.448	984051.514
		2010	2881329.235	1808151.449	1073177.79
		2011	2994972.694	1831583.422	1163389.27
		2012	3108958.829	1852915.953	1256042.88
		2013	3218140.416	1871867.636	1346272.78
		2014	3328387.914	1889426.498	1438961.42
		2015	3435342.796	1905380.303	1529962.49
		2016	3539189.408	1919791.150	1619398.26
		2017	3640041.363	1932842.180	1707199.18
		2018	3732645.362	1944047.569	1788597.79
		2019	3821421.978	1954150.684	1867271.29
		2020	3902115.950	1962867.209	1939248.74
		2021	3984301.053	1971290.017	2013011.04
		2022	4062629.299	1978919.806	2083709.49
		2023	4137348.729	1985917.406	2151431.32
		2024	4208611.493	1992325.164	2216286.33
		2025	4269419.492	1997634.148	2271785.34
		2026	4330969.998	2002837.887	2328132.11
		2027	4389134.306	2007628.238	2381506.07
		2028	4444222.970	2012076.897	2432146.07
		2029	4496447.877	2016236.705	2480211.17
		2030	4536975.698	2019351.494	2517624.20
		2031	4578338.586	2022508.818	2555829.77
		2032	4617397.784	2025470.375	2591927.41
		2033	4654407.697	2028283.199	2626124.50
		2034	4689913.454	2030971.255	2658942.20
		2035	4712518.190	2032563.970	2679954.22
		2036	4735845.827	2034200.209	2701645.62
		2037	4757958.806	2035755.004	2722203.80
		2038	4778813.806	2037240.544	2741573.26
		2039	4798769.065	2038669.294	2760099.77
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220289.516	2676.762
		1993	296801.879	290425.663	6376.216
		1994	372453.706	360104.225	12349.480

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

	1995	448401.338	427520.194	20881.144
	1996	523536.301	491403.660	32132.642
	1997	596763.211	550671.467	46091.744
	1998	667546.681	604960.859	62585.822
	1999	734925.407	653729.197	81196.210
	2000	803749.361	700579.307	103170.054
	2001	870081.588	742701.141	127380.447
	2002	935347.140	781314.733	154032.407
	2003	1001627.349	817519.531	184107.818
	2004	1066587.976	850380.246	216207.730
	2005	1130548.052	880160.149	250387.903
	2006	1195132.454	907716.790	287415.663
	2007	1258974.043	932684.098	326289.945
	2008	1320124.867	954494.082	365630.785
	2009	1380776.123	974304.698	406471.425
	2010	1440048.533	992070.484	447978.049
	2011	1497484.847	1007869.842	489615.005
	2012	1554496.526	1022139.885	532356.641
	2013	1610819.598	1035057.097	575762.500
	2014	1667484.890	1046921.620	620563.269
	2015	1720948.287	1057315.984	663632.302
	2016	1775699.228	1067074.745	708624.483
	2017	1830250.175	1076051.861	754198.314
	2018	1875958.950	1083039.637	792919.313
	2019	1920359.232	1089362.111	830997.121
	2020	1960605.297	1094745.892	865859.405
	2021	1998912.887	1099533.526	899379.361
	2022	2036003.696	1103876.762	932126.933
	2023	2071857.536	1107822.781	964034.756
	2024	2106636.468	1111464.403	995172.065
	2025	2136450.873	1114441.320	1022009.55
	2026	2164796.470	1117137.634	1047658.84
	2027	2192079.608	1119640.952	1072438.66
	2028	2218404.367	1121949.811	1096454.56
	2029	2243769.140	1124104.756	1119664.38
	2030	2263570.213	1125730.705	1137839.51
	2031	2282521.590	1127252.929	1155268.66
	2032	2300804.945	1128688.243	1172116.70
	2033	2318464.018	1130031.791	1188432.23
	2034	2335611.973	1131312.313	1204299.66
	2035	2347097.290	1132149.751	1214947.54
	2036	2358248.747	1132954.066	1225294.68
	2037	2369033.655	1133728.674	1235304.98
	2038	2379490.114	1134462.063	1245028.05
	2039	2389546.238	1135154.630	1254391.61
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.698	515.165
	1992	165654.454	163676.540	1977.915
	1993	220008.519	215283.566	4724.953
	1994	275706.807	266523.928	9182.879
	1995	331417.547	315918.145	15499.402
	1996	387580.161	363579.842	24000.319
	1997	442778.242	408223.348	34554.894
	1998	496117.305	449179.362	46937.943
	1999	548268.214	487024.662	61243.552
	2000	601693.202	523580.305	78112.897
	2001	652221.103	555973.026	96248.077
	2002	703022.600	586306.989	116715.611
	2003	752023.351	613491.233	138532.118
	2004	799826.733	638013.804	161812.929
	2005	847563.928	660661.576	186902.352
	2006	894205.027	681037.968	213167.059
	2007	939571.282	699234.258	240337.024
	2008	983437.578	715415.376	268022.202
	2009	1025803.786	729775.791	296027.995
	2010	1066964.934	742548.646	324416.288
	2011	1106954.044	753911.623	353042.422
	2012	1146108.461	764133.144	381975.316
	2013	1183544.689	773142.241	410402.449
	2014	1221220.945	781460.043	439760.902
	2015	1258289.311	789079.930	469209.381
	2016	1294830.207	796011.693	498818.515
	2017	1330332.626	802247.027	528085.598
	2018	1360571.987	807195.285	553376.702
	2019	1389848.723	811630.766	578217.957
	2020	1416046.192	815368.888	600677.305
	2021	1440588.850	818641.642	621947.207
	2022	1464157.934	821584.327	642573.608

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

		2023	1486810.237	824259.848	662550.389
		2024	1508591.729	826684.917	681906.813
		2025	1526875.621	828632.982	698242.639
		2026	1543659.810	830334.346	713325.464
		2027	1559623.774	831885.044	727738.731
		2028	1574852.850	833312.153	741540.697
		2029	1589437.452	834631.071	754806.381
		2030	1600568.199	835594.960	764973.239
		2031	1610776.297	836459.444	774316.853
		2032	1620483.563	837265.552	783218.011
		2033	1629745.442	838024.436	791721.006
		2034	1638721.425	838743.855	799977.570
		2035	1644649.404	839193.566	805455.838
		2036	1650181.590	839606.867	810574.722
		2037	1655476.066	840000.380	815475.686
		2038	1660507.914	840376.989	820130.925
		2039	1665361.569	840738.853	824622.716
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347332.515	751.532
		1993	467278.318	465432.935	1845.383
		1994	584216.907	580587.628	3629.279
		1995	697391.457	691203.760	6187.697
		1996	809471.271	799790.454	9680.817
		1997	922587.668	908238.405	14349.263
		1998	1034072.457	1013945.813	20126.644
		1999	1153475.399	1125730.167	27745.232
		2000	1268050.268	1231293.229	36757.039
		2001	1382786.209	1335200.356	47585.853
		2002	1497557.412	1437129.010	60428.402
		2003	1614405.229	1539057.552	75347.677
		2004	1726672.489	1634882.452	91790.037
		2005	1847277.524	1735738.248	111539.276
		2006	1961009.963	1828439.857	132570.106
		2007	2079868.908	1922739.872	157129.037
		2008	2206755.783	2020894.041	185861.741
		2009	2331993.380	2115027.659	216965.722
	2010	2455130.176	2204956.398	250173.778	
	2011	2582657.849	2295189.190	287468.659	
	2012	2709719.005	2382083.173	327635.832	
	2013	2840547.005	2468383.735	372163.270	
	2014	2971677.135	2551778.805	419898.331	
	2015	3104538.983	2634250.920	470288.063	
	2016	3237650.175	2713515.654	524134.521	
	2017	3370561.253	2789730.373	580830.880	
	2018	3503136.371	2862193.786	640942.585	
	2019	3636402.758	2931939.718	704463.040	
	2020	3768054.453	2998457.121	769597.332	
	2021	3897675.067	3060908.180	836766.886	
	2022	4027307.132	3120339.990	906967.142	
	2023	4156698.720	3176669.801	980028.919	
	2024	4285772.226	3229973.562	1055798.66	
	2025	4410759.298	3279652.140	1131107.16	
	2026	4531411.064	3324715.999	1206695.07	
	2027	4651145.233	3366864.116	1284281.12	
	2028	4769837.872	3406167.930	1363669.94	
	2029	4887747.179	3442875.496	1444871.68	
2030	4997632.895	3475891.307	1521741.59		
2031	5103301.991	3505080.638	1598221.35		
2032	5207593.613	3532014.775	1675578.84		
2033	5310556.138	3556755.550	1753800.59		
2034	5412542.816	3579621.419	1832921.40		
2035	5500522.473	3598788.175	1901734.30		
2036	5588149.640	3616329.314	1971820.33		
2037	5674667.886	3632531.301	2042136.59		
2038	5760391.289	3647451.256	2112940.03		
2039	5845459.234	3661348.599	2184110.63		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.322	168.189
		1992	240642.531	240002.253	640.279
		1993	329362.093	327709.507	1652.587
		1994	418569.515	415257.102	3312.413
		1995	509110.357	503279.764	5830.594
		1996	600040.117	590774.214	9265.903
		1997	691159.071	677410.781	13748.289
		1998	782866.899	763517.590	19349.309
		1999	881526.925	854784.768	26742.158
		2000	977880.647	942589.509	35291.138

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

2001	1076787.404	1031165.840	45621.563
2002	1174842.754	1117289.830	57552.924
2003	1275102.681	1203705.632	71397.049
2004	1371026.306	1284704.834	86321.471
2005	1473954.509	1369560.292	104394.217
2006	1574450.828	1450431.070	124019.758
2007	1673790.211	1528343.684	145446.527
2008	1782360.738	1611239.672	171121.065
2009	1892944.209	1693016.961	199927.248
2010	2002131.282	1771523.762	230607.520
2011	2114522.152	1849603.414	264918.739
2012	2228079.372	1925988.257	302091.115
2013	2345377.689	2002052.975	343324.714
2014	2462498.422	2075160.602	387337.820
2015	2581450.312	2147489.300	433961.011
2016	2701959.301	2217876.429	484082.872
2017	2823834.967	2286195.804	537639.163
2018	2938265.081	2348288.587	589976.494
2019	3053254.880	2408011.303	645243.576
2020	3167073.216	2465067.392	702005.824
2021	3279517.699	2519460.806	760056.894
2022	3392060.964	2571357.798	820703.166
2023	3504296.171	2620678.908	883617.264
2024	3616019.231	2667294.150	948725.081
2025	3724611.269	2710928.801	1013682.47
2026	3827181.707	2750612.041	1076569.67
2027	3928684.441	2787767.420	1140917.02
2028	4029124.892	2822602.931	1206521.96
2029	4128269.068	2854984.261	1273284.81
2030	4221560.174	2884380.558	1337179.62
2031	4304170.584	2908982.278	1395188.31
2032	4384930.537	2931523.626	1453406.91
2033	4464357.691	2952331.373	1512026.32
2034	4542251.545	2971347.197	1570904.35
2035	4611066.648	2987619.315	1623447.33
2036	4670309.230	3000621.340	1669687.89
2037	4728179.514	3012499.882	1715679.63
2038	4785008.048	3023416.166	1761591.88
2039	4841291.793	3033480.107	1807811.69

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 4: Estimated Loss of Life, All age groups combined, Population and Number deaths adjusted for Ecig scenario, cumulative over years

Disease	Sex	Year	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	1990	1304839.645	1304839.645	0.000
		1991	2579865.358	2571191.563	8673.794
		1992	3830683.831	3798446.690	32237.141
		1993	5076567.803	5001002.043	75565.760
		1994	6292145.526	6150128.208	142017.318
		1995	7485537.010	7250482.539	235054.471
		1996	8655955.028	8300076.401	355878.627
		1997	9791729.713	9288450.337	503279.376
		1998	10899134.186	10223295.314	675838.872
		1999	12070409.674	11163913.066	906496.608
		2000	13231384.595	12064210.487	1167174.11
		2001	14371761.018	12914417.710	1457343.31
		2002	15508906.386	13727137.043	1781769.34
		2003	16638100.422	14502715.854	2135384.57
		2004	17736465.088	15230773.166	2505691.92
		2005	18834658.606	15932808.006	2901850.60
		2006	19909100.501	16588895.041	3320205.46
		2007	20958321.463	17206840.682	3751480.78
		2008	22000068.148	17800977.249	4199090.90
		2009	23018816.903	18362641.186	4656175.72
		2010	24018480.537	18893343.778	5125136.76
		2011	25003034.574	19396800.161	5606234.41
		2012	25969871.429	19871747.396	6098124.03
		2013	26920275.180	20320325.493	6599949.69
		2014	27849005.227	20740897.141	7108108.09
		2015	28749620.400	21136842.841	7612777.56
		2016	29622417.562	21499634.785	8122782.78
		2017	30462559.724	21831946.957	8630612.77
		2018	31293299.299	22151640.298	9141659.00
		2019	32109993.427	22453963.815	9656029.61
		2020	32883323.977	22735080.228	10148243.7
		2021	33610102.554	22979237.319	10630865.2
		2022	34322010.448	23208371.890	11113638.6
		2023	35018383.550	23422611.973	11595771.6
		2024	35700177.955	23623256.612	12076921.3
		2025	36315500.346	23804145.684	12511354.7
		2026	36896159.343	23958494.812	12937664.5
		2027	37462570.116	24102192.731	13360377.4
		2028	38015337.780	24235375.872	13779961.9
		2029	38554814.764	24359334.917	14195479.8
		2030	39003805.400	24465115.647	14538689.8
		2031	39436509.703	24555879.176	14880630.5
2032	39858470.458	24640119.835	15218350.6		
2033	40270147.082	24717712.641	15552434.4		
2034	40672665.743	24789929.906	15882735.8		
2035	40962732.664	24844736.506	16117996.2		
2036	41255021.653	24894826.819	16360194.8		
2037	41540573.023	24941667.053	16598906.0		
2038	41820158.066	24985089.311	16835068.8		
2039	42093547.949	25025790.553	17067757.4		
	Female	1990	588979.406	588979.406	0.000
		1991	1182571.252	1179606.299	2964.953
		1992	1777346.679	1766098.422	11248.257
		1993	2380261.899	2353273.147	26988.752
		1994	2983130.039	2931348.907	51781.132
		1995	3588982.584	3502018.926	86963.658
		1996	4195430.235	4060685.508	134744.727
		1997	4793866.694	4600887.416	192979.279
		1998	5389747.381	5126871.167	262876.214
		1999	6006722.467	5653237.654	353484.813
		2000	6625758.871	6168775.741	456983.130
		2001	7245135.411	6669541.174	575594.237
		2002	7867492.021	7157676.463	709815.558
		2003	8485051.793	7628414.788	856637.005
		2004	9092994.774	8078328.382	1014666.39
		2005	9706032.803	8518683.231	1187349.57
		2006	10311907.548	8939798.136	1372109.41
		2007	10909437.502	9343759.715	1565677.79
		2008	11506462.491	9732474.786	1773987.70
		2009	12098393.287	10107769.920	1990623.37
		2010	12681188.981	10464923.666	2216265.31

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

		2011	13260062.991	10806956.756	2453106.24
		2012	13839417.441	11136522.654	2702894.79
		2013	14409614.758	11450421.274	2959193.48
		2014	14976658.746	11749109.189	3227549.56
		2015	15529977.821	12030994.936	3498982.89
		2016	16066640.764	12292388.571	3774252.19
		2017	16590035.078	12536930.725	4053104.35
		2018	17098716.137	12768172.579	4330543.56
		2019	17599868.850	12986684.975	4613183.88
		2020	18081346.241	13191048.564	4890297.68
		2021	18537594.460	13375064.262	5162530.20
		2022	18985300.234	13547838.216	5437462.02
		2023	19423958.747	13709832.079	5714126.67
		2024	19853347.772	13860902.401	5992445.37
		2025	20252822.245	13998680.218	6254142.03
		2026	20619307.063	14117924.620	6501382.44
		2027	20976063.406	14228395.987	6747667.42
		2028	21323641.947	14331084.061	6992557.89
		2029	21662117.106	14425893.048	7236224.06
		2030	21960971.694	14508831.131	7452140.56
		2031	22224951.983	14576499.886	7648452.10
		2032	22480397.853	14638498.714	7841899.14
		2033	22728639.455	14695766.407	8032873.05
		2034	22970448.888	14748337.093	8222111.79
		2035	23164154.188	14790524.117	8373630.07
		2036	23334538.616	14824479.806	8510058.81
		2037	23499760.723	14855801.004	8643959.72
		2038	23660308.401	14884851.369	8775457.03
		2039	23817891.273	14911919.194	8905972.08
Lung cancer	Males	1990	595621.791	595621.791	0.000
		1991	1177744.113	1177096.215	647.898
		1992	1750034.892	1747594.318	2440.574
		1993	2319752.308	2313819.938	5932.369
		1994	2872597.339	2861118.497	11478.842
		1995	3411494.825	3391997.062	19497.763
		1996	3945569.726	3914795.012	30774.714
		1997	4463316.362	4418035.363	45280.999
		1998	4975301.180	4911602.077	63699.104
		1999	5473691.125	5387437.748	86253.377
		2000	5977500.570	5863076.402	114424.168
		2001	6474795.516	6326636.416	148159.099
		2002	6968769.705	6780622.492	188147.213
		2003	7460282.140	7225077.643	235204.497
		2004	7947048.275	7657900.528	289147.748
		2005	8430571.669	8080067.761	350503.908
		2006	8903945.390	8484855.641	419089.749
		2007	9364177.982	8870019.544	494158.438
		2008	9822525.458	9244181.457	578344.002
		2009	10275228.886	9604438.951	670789.935
		2010	10720275.500	9949479.376	770796.125
		2011	11155356.373	10277382.346	877974.027
		2012	11582611.617	10588870.809	993740.808
		2013	11998803.791	10882379.868	1116423.92
		2014	12402087.090	11157310.365	1244776.72
		2015	12793451.706	11415418.379	1378033.33
		2016	13160101.653	11647941.074	1512160.58
		2017	13503583.414	11857316.336	1646267.08
		2018	13859755.737	12063812.316	1795943.42
		2019	14211625.176	12258857.928	1952767.25
		2020	14553935.288	12441099.779	2112835.51
		2021	14851747.495	12592021.619	2259725.88
		2022	15144531.004	12733086.631	2411444.37
		2023	15431932.496	12864436.669	2567495.83
		2024	15713920.740	12986764.271	2727156.47
		2025	15979112.816	13097581.795	2881531.02
		2026	16206550.153	13186367.240	3020182.91
		2027	16428826.050	13268393.370	3160432.68
		2028	16645902.186	13343929.816	3301972.37
		2029	16858126.517	13413818.978	3444307.54
		2030	17045220.687	13473958.140	3571262.55
		2031	17208482.610	13522060.677	3686421.93
		2032	17367586.074	13566457.483	3801128.59
		2033	17522716.280	13607181.571	3915534.71
		2034	17674226.555	13644941.071	4029285.48
		2035	17792201.734	13674024.176	4118177.56
		2036	17903508.236	13699401.467	4204106.77
		2037	18012162.345	13723102.910	4289059.43
		2038	18118464.470	13745034.609	4373429.86

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

	Female	2039	18222549.860	13765627.307	4456922.55
		1990	307897.357	307897.357	0.000
		1991	616547.418	616130.925	416.493
		1992	931086.773	929438.213	1648.560
		1993	1246155.671	1242099.058	4056.613
		1994	1561212.934	1553229.543	7983.392
		1995	1879967.742	1866068.268	13899.474
		1996	2197488.109	2175401.256	22086.853
		1997	2515698.453	2482730.929	32967.523
		1998	2836249.556	2789365.357	46884.199
		1999	3150201.390	3086374.755	63826.634
		2000	3472722.342	3387888.732	84833.610
		2001	3796994.889	3686755.994	110238.895
		2002	4126619.935	3985829.205	140790.730
		2003	4454982.533	4278898.793	176083.741
		2004	4784343.030	4567396.790	216946.241
		2005	5113443.121	4849972.904	263470.217
		2006	5442543.963	5126030.313	316513.649
		2007	5772441.497	5396268.703	376172.794
		2008	6091911.943	5651376.892	440535.051
		2009	6413671.330	5900973.354	512697.976
		2010	6730763.530	6140321.605	590441.925
		2011	7043614.101	6369161.787	674452.314
		2012	7356270.780	6590450.987	765819.792
		2013	7662551.964	6799963.014	862588.949
		2014	7964551.465	6999289.930	965261.535
		2015	8254895.403	7184867.608	1070027.79
		2016	8530661.848	7354106.463	1176555.38
		2017	8795826.122	7510597.419	1285228.70
		2018	9067233.707	7663154.748	1404078.96
		2019	9335343.270	7806955.056	1528388.21
		2020	9596110.883	7941345.558	1654765.33
		2021	9833186.859	8058793.787	1774393.07
		2022	10066452.037	8168612.116	1897839.92
		2023	10295503.609	8271119.858	2024383.75
		2024	10520125.318	8366248.076	2153877.24
		2025	10731915.863	8452639.474	2279276.39
		2026	10917495.549	8524807.230	2392688.32
		2027	11098620.885	8591298.339	2507322.55
		2028	11275441.234	8652795.879	2622645.35
		2029	11447962.710	8709274.425	2738688.28
		2030	11601867.623	8758281.324	2843586.30
		2031	11731666.516	8796915.331	2934751.19
		2032	11857585.969	8832211.430	3025374.54
		2033	11980128.625	8864719.728	3115408.90
		2034	12099562.464	8894505.238	3205057.23
		2035	12195919.946	8918048.175	3277871.77
		2036	12278201.969	8936676.412	3341525.56
		2037	12358146.336	8953912.282	3404234.05
		2038	12435978.633	8969940.822	3466037.81
		2039	12512468.845	8984925.025	3527543.82
IHD	Males	1990	517209.093	517209.093	0.000
		1991	1019219.395	1012116.414	7102.981
		1992	1509598.614	1483228.574	26370.041
		1993	1992735.299	1931315.268	61420.031
		1994	2462877.575	2348294.699	114582.876
		1995	2928249.390	2739711.365	188538.025
		1996	3377377.730	3093993.473	283384.257
		1997	3809062.472	3411346.763	397715.709
		1998	4222213.867	3692540.319	529673.548
		1999	4708317.743	3996649.241	711668.503
		2000	5182084.396	4268741.934	913342.462
		2001	5644097.705	4509171.138	1134926.57
		2002	6107232.129	4727133.858	1380098.27
		2003	6561785.704	4919848.080	1641937.62
		2004	6996156.348	5086087.527	1910068.82
		2005	7426261.361	5234947.192	2191314.17
		2006	7849012.694	5365590.180	2483422.51
		2007	8255300.530	5478650.360	2776650.17
		2008	8650662.040	5578137.315	3072524.72
		2009	9030818.513	5665038.710	3365779.80
		2010	9403026.327	5742411.210	3660615.12
		2011	9767535.506	5811281.380	3956254.13
		2012	10123044.281	5872891.520	4250152.76
		2013	10470104.786	5928003.761	4542101.02
		2014	10807756.112	5977610.912	4830145.20
		2015	11130681.425	6021749.200	5108932.22
		2016	11448966.506	6062130.563	5386835.94

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

		2017	11758164.882	6098978.032	5659186.85
		2018	12054448.241	6131819.165	5922629.08
		2019	12341606.261	6162099.179	6179507.08
		2020	12600728.939	6188122.232	6412606.71
		2021	12861767.105	6213170.278	6648596.83
		2022	13114168.616	6236509.375	6877659.24
		2023	13357894.797	6258166.152	7099728.65
		2024	13593848.521	6278581.194	7315267.33
		2025	13789177.359	6295047.876	7494129.48
		2026	13993401.656	6311946.513	7681455.14
		2027	14190519.224	6328079.369	7862439.85
		2028	14381193.356	6343246.188	8037947.17
		2029	14565171.927	6357607.804	8207564.12
		2030	14697381.605	6367798.477	8329583.13
		2031	14842203.512	6379007.654	8463195.86
		2032	14982485.826	6389774.878	8592710.95
		2033	15118410.647	6399887.201	8718523.45
		2034	15250284.398	6409556.926	8840727.47
		2035	15322911.166	6414702.554	8908208.61
		2036	15405115.031	6420536.605	8984578.43
		2037	15484709.137	6426193.502	9058515.63
		2038	15561812.193	6431553.711	9130258.48
		2039	15635992.616	6436620.192	9199372.42
	Female	1990	147299.110	147299.110	0.000
		1991	295122.462	293257.355	1865.107
		1992	439962.920	432980.972	6981.948
		1993	584735.615	568178.771	16556.844
		1994	727640.783	696331.725	31309.058
		1995	868486.937	816737.839	51749.099
		1996	1010321.847	930901.386	79420.461
		1997	1144230.930	1032472.425	111758.505
		1998	1274513.622	1124728.943	149784.678
		1999	1426725.938	1224931.350	201794.588
		2000	1573462.680	1314540.287	258922.393
		2001	1719132.015	1395399.743	323732.272
		2002	1863006.732	1467919.988	395086.744
		2003	2002943.227	1531886.641	471056.586
		2004	2137798.705	1587665.653	550133.052
		2005	2271071.245	1637802.985	633268.260
		2006	2400707.731	1681460.735	719246.996
		2007	2523634.512	1718906.732	804727.780
		2008	2648752.232	1753235.834	895516.398
		2009	2765973.961	1782576.446	983397.515
		2010	2881329.235	1808866.570	1072462.66
		2011	2994972.694	1832358.972	1162613.72
		2012	3108958.829	1853751.383	1255207.45
		2013	3218140.416	1872761.507	1345378.91
		2014	3328387.914	1890378.928	1438008.99
		2015	3435342.796	1906391.729	1528951.07
		2016	3539189.408	1920860.580	1618328.83
		2017	3640041.363	1933968.341	1706073.02
		2018	3732645.362	1945225.523	1787419.84
		2019	3821421.978	1955378.381	1866043.60
		2020	3902115.950	1964142.599	1937973.35
		2021	3984301.053	1972614.098	2011686.96
		2022	4062629.299	1980290.433	2082338.87
		2023	4137348.729	1987333.053	2150015.68
		2024	4208611.493	1993783.961	2214827.53
		2025	4269419.492	1999133.843	2270285.65
		2026	4330969.998	2004379.070	2326590.93
		2027	4389134.306	2009208.944	2379925.36
		2028	4444222.970	2013695.563	2430527.41
		2029	4496447.877	2017891.917	2478555.96
		2030	4536975.698	2021039.362	2515936.34
		2031	4578338.586	2024230.323	2554108.26
		2032	4617397.784	2027224.027	2590173.76
		2033	4654407.697	2030068.107	2624339.59
		2034	4689913.454	2032786.606	2657126.85
		2035	4712518.190	2034402.513	2678115.68
		2036	4735845.827	2036062.756	2699783.07
		2037	4757958.806	2037640.720	2720318.09
		2038	4778813.806	2039148.705	2739665.10
		2039	4798769.065	2040599.366	2758169.70
Stroke	Males	1990	75005.854	75005.854	0.000
		1991	149463.017	148743.133	719.885
		1992	222966.278	220290.134	2676.144
		1993	296801.879	290428.491	6373.387
		1994	372453.706	360112.208	12341.497

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

	1995	448401.338	427537.518	20863.819
	1996	523536.301	491435.715	32100.587
	1997	596763.211	550724.216	46038.995
	1998	667546.681	605040.460	62506.221
	1999	734925.407	653841.315	81084.092
	2000	803749.361	700733.482	103015.878
	2001	870081.588	742903.578	127178.010
	2002	935347.140	781572.897	153774.242
	2003	1001627.349	817840.476	183786.873
	2004	1066587.976	850769.814	215818.161
	2005	1130548.052	880623.011	249925.041
	2006	1195132.454	908258.196	286874.257
	2007	1258974.043	933306.922	325667.121
	2008	1320124.867	955197.212	364927.655
	2009	1380776.123	975089.803	405686.320
	2010	1440048.533	992937.601	447110.932
	2011	1497484.847	1008818.359	488666.488
	2012	1554496.526	1023168.105	531328.421
	2013	1610819.598	1036164.648	574654.950
	2014	1667484.890	1048107.257	619377.632
	2015	1720948.287	1058578.039	662370.248
	2016	1775699.228	1068413.109	707286.119
	2017	1830250.175	1077465.358	752784.816
	2018	1875958.950	1084516.949	791442.001
	2019	1920359.232	1090900.389	829458.843
	2020	1960605.297	1096342.045	864263.252
	2021	1998912.887	1101183.621	897729.267
	2022	2036003.696	1105577.929	930425.767
	2023	2071857.536	1109572.527	962285.009
	2024	2106636.468	1113260.825	993375.644
	2025	2136450.873	1116281.116	1020169.76
	2026	2164796.470	1119017.843	1045778.63
	2027	2192079.608	1121559.942	1070519.67
	2028	2218404.367	1123905.844	1094498.52
	2029	2243769.140	1126096.277	1117672.86
	2030	2263570.213	1127753.075	1135817.14
	2031	2282521.590	1129304.785	1153216.81
	2032	2300804.945	1130768.581	1170036.36
	2033	2318464.018	1132139.592	1186324.43
	2034	2335611.973	1133447.007	1202164.97
	2035	2347097.290	1134304.788	1212792.50
	2036	2358248.747	1135128.999	1223119.75
	2037	2369033.655	1135923.302	1233110.35
	2038	2379490.114	1136675.909	1242814.20
	2039	2389546.238	1137387.067	1252159.17
Female	1990	56348.092	56348.092	0.000
	1991	110871.862	110356.698	515.165
	1992	165654.454	163676.691	1977.764
	1993	220008.519	215284.278	4724.241
	1994	275706.807	266525.961	9180.845
	1995	331417.547	315922.644	15494.903
	1996	387580.161	363588.332	23991.829
	1997	442778.242	408237.590	34540.652
	1998	496117.305	449201.267	46916.038
	1999	548268.214	487056.236	61211.979
	2000	601693.202	523624.364	78068.838
	2001	652221.103	556031.360	96189.743
	2002	703022.600	586381.896	116640.704
	2003	752023.351	613584.443	138438.908
	2004	799826.733	638126.830	161699.903
	2005	847563.928	660796.075	186767.854
	2006	894205.027	681195.325	213009.702
	2007	939571.282	699415.147	240156.135
	2008	983437.578	715620.209	267817.369
	2009	1025803.786	730004.816	295798.970
	2010	1066964.934	742801.850	324163.084
	2011	1106954.044	754188.982	352765.062
	2012	1146108.461	764434.513	381673.947
	2013	1183544.689	773467.135	410077.554
	2014	1221220.945	781808.817	439412.128
	2015	1258289.311	789453.213	468836.098
	2016	1294830.207	796409.254	498420.953
	2017	1330332.626	802668.565	527664.060
	2018	1360571.987	807637.609	552934.378
	2019	1389848.723	812093.048	577755.674
	2020	1416046.192	815850.239	600195.954
	2021	1440588.850	819140.930	621447.920
	2022	1464157.934	822100.665	642057.270

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

		2023	1486810.237	824792.579	662017.658
		2024	1508591.729	827233.245	681358.485
		2025	1526875.621	829195.874	697679.747
		2026	1543659.810	830910.484	712749.326
		2027	1559623.774	832473.664	727150.110
		2028	1574852.850	833912.666	740940.184
		2029	1589437.452	835242.920	754194.532
		2030	1600568.199	836216.774	764351.425
		2031	1610776.297	837090.396	773685.900
		2032	1620483.563	837905.206	782578.357
		2033	1629745.442	838672.489	791072.953
		2034	1638721.425	839400.050	799321.375
		2035	1644649.404	839856.118	804793.286
		2036	1650181.590	840275.321	809906.268
		2037	1655476.066	840674.548	814801.518
		2038	1660507.914	841056.712	819451.202
		2039	1665361.569	841423.998	823937.571
COPD	Males	1990	117002.906	117002.906	0.000
		1991	233438.833	233235.802	203.031
		1992	348084.047	347333.664	750.383
		1993	467278.318	465438.345	1839.973
		1994	584216.907	580602.804	3614.103
		1995	697391.457	691236.594	6154.863
		1996	809471.271	799852.202	9619.069
		1997	922587.668	908343.994	14243.673
		1998	1034072.457	1014112.458	19959.999
		1999	1153475.399	1125984.762	27490.638
		2000	1268050.268	1231658.669	36391.599
		2001	1382786.209	1335706.577	47079.632
		2002	1497557.412	1437807.796	59749.616
		2003	1614405.229	1539949.655	74455.574
		2004	1726672.489	1636015.297	90657.192
		2005	1847277.524	1737170.042	110107.482
		2006	1961009.963	1830191.024	130818.940
		2007	2079868.908	1924863.856	155005.052
		2008	2206755.783	2023461.266	183294.517
		2009	2331993.380	2118073.721	213919.660
		2010	2455130.176	2208515.590	246614.586
		2011	2582657.849	2299318.076	283339.773
		2012	2709719.005	2386816.962	322902.043
		2013	2840547.005	2473777.216	366769.790
		2014	2971677.135	2557868.607	413808.528
		2015	3104538.983	2641097.223	463441.760
		2016	3237650.175	2721150.040	516500.136
		2017	3370561.253	2798187.231	572374.022
		2018	3503136.371	2871491.867	631644.505
		2019	3636402.758	2942106.319	694296.439
		2020	3768054.453	3009516.172	758538.281
		2021	3897675.067	3072861.801	824813.265
		2022	4027307.132	3133197.955	894109.177
		2023	4156698.720	3190436.624	966262.096
		2024	4285772.226	3244650.322	1041121.90
		2025	4410759.298	3295234.898	1115524.40
		2026	4531411.064	3341163.216	1190247.85
		2027	4651145.233	3384160.049	1266985.18
		2028	4769837.872	3424294.024	1345543.85
		2029	4887747.179	3461811.859	1425935.32
2030	4997632.895	3495605.956	1502026.94		
2031	5103301.991	3525506.061	1577795.93		
2032	5207593.613	3553118.894	1654474.72		
2033	5310556.138	3578504.277	1732051.86		
2034	5412542.816	3601984.901	1810557.91		
2035	5500522.473	3621704.987	1878817.49		
2036	5588149.640	3639759.748	1948389.89		
2037	5674667.886	3656447.339	2018220.55		
2038	5760391.289	3671825.082	2088566.21		
2039	5845459.234	3686155.987	2159303.25		
	Female	1990	77434.846	77434.846	0.000
		1991	160029.510	159861.322	168.189
		1992	240642.531	240002.546	639.985
		1993	329362.093	327711.040	1651.053
		1994	418569.515	415261.678	3307.837
		1995	509110.357	503290.175	5820.182
		1996	600040.117	590794.533	9245.584
		1997	691159.071	677446.472	13712.599
		1998	782866.899	763575.600	19291.298
		1999	881526.925	854875.314	26651.612
		2000	977880.647	942722.359	35158.289

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

2001	1076787.404	1031354.077	45433.327
2002	1174842.754	1117545.374	57297.380
2003	1275102.681	1204044.911	71057.770
2004	1371026.306	1285139.109	85887.196
2005	1473954.509	1370111.267	103843.242
2006	1574450.828	1451111.763	123339.065
2007	1673790.211	1529169.133	144621.078
2008	1782360.738	1612241.851	170118.887
2009	1892944.209	1694215.304	198728.906
2010	2002131.282	1772933.641	229197.641
2011	2114522.152	1851247.015	263275.137
2012	2228079.372	1927885.770	300193.601
2013	2345377.689	2004229.618	341148.071
2014	2462498.422	2077631.514	384866.908
2015	2581450.312	2150282.385	431167.926
2016	2701959.301	2221012.275	480947.026
2017	2823834.967	2289696.400	534138.567
2018	2938265.081	2352154.698	586110.382
2019	3053254.880	2412258.490	640996.390
2020	3167073.216	2469710.168	697363.048
2021	3279517.699	2524515.448	755002.252
2022	3392060.964	2576835.002	815225.962
2023	3504296.171	2626586.589	877709.582
2024	3616019.231	2673637.119	942382.112
2025	3724611.269	2717711.027	1006900.24
2026	3827181.707	2757827.836	1069353.87
2027	3928684.441	2795415.040	1133269.40
2028	4029124.892	2830679.953	1198444.94
2029	4128269.068	2863483.786	1264785.28
2030	4221560.174	2893293.671	1328266.50
2031	4304170.584	2918263.836	1385906.75
2032	4384930.537	2941158.050	1443772.49
2033	4464357.691	2962306.083	1502051.61
2034	4542251.545	2981645.198	1560606.35
2035	4611066.648	2998217.312	1612849.34
2036	4670309.230	3011465.317	1658843.91
2037	4728179.514	3023573.453	1704606.06
2038	4785008.048	3034705.130	1750302.92
2039	4841291.793	3044970.805	1796320.99

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 5: Estimated Loss of Life, at the end of follow-up, Population unadjusted for deaths in Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	240279.821	203631.213
		35-39	1146798.555	614263.085	532535.470
		40-44	2609591.408	1357521.939	1252069.47
		45-49	4775841.753	2441977.220	2333864.53
		50-54	7446969.205	3945345.566	3501623.64
		55-59	8240205.925	4789492.245	3450713.68
		60-64	8772829.118	5510865.614	3261963.50
		65-69	6161494.678	4246655.176	1914839.50
		70-74	2495906.274	1779141.526	716764.748
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	142863.503	86277.058
		35-39	570217.942	348786.602	221431.340
		40-44	1267538.938	751984.253	515554.685
		45-49	2340070.698	1364640.273	975430.425
		50-54	3743803.613	2197311.423	1546492.19
		55-59	4591478.168	2815298.127	1776180.04
		60-64	5207367.788	3309765.865	1897601.92
		65-69	4092181.394	2738243.868	1353937.53
70-74		1776092.171	1205649.569	570442.601	
Lung cancer	Males	30-34	66065.017	51857.918	14207.099
		35-39	232509.414	184077.282	48432.132
		40-44	688628.041	533406.382	155221.659
		45-49	1528300.367	1146611.232	381689.135
		50-54	2730187.229	2014686.316	715500.913
		55-59	3909101.673	2865019.123	1044082.55
		60-64	4287716.660	3228881.303	1058835.36
		65-69	3467897.115	2658109.142	809787.973
		70-74	1312144.343	1021567.471	290576.873
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40797.134	11115.979
		35-39	189792.904	149354.123	40438.782
		40-44	527596.573	398058.884	129537.689
		45-49	1122524.269	815181.430	307342.839
		50-54	1882214.322	1336064.313	546150.010
		55-59	2595581.943	1816973.258	778608.686
		60-64	2846273.090	2026829.140	819443.950
		65-69	2358758.394	1696327.927	662430.467
70-74		937814.238	682069.022	255745.216	
IHD	Males	30-34	263834.566	119192.707	144641.859
		35-39	692140.150	298028.803	394111.348
		40-44	1519708.432	594313.814	925394.618
		45-49	2568546.697	919069.089	1649477.61
		50-54	3632929.903	1350711.340	2282218.56
		55-59	2807892.356	1103572.067	1704320.29
		60-64	2599825.934	1194416.522	1405409.41
		65-69	1113578.307	583969.971	529608.336
		70-74	437536.271	261548.481	175987.790
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	38206.203	41442.894
		35-39	193965.908	82155.612	111810.295
		40-44	403380.974	152328.198	251052.776
		45-49	671385.408	234418.388	436967.020
		50-54	1011875.989	377997.031	633878.959
		55-59	849875.715	345142.124	504733.592
		60-64	925490.876	436803.570	488687.307
		65-69	455463.881	246094.767	209369.114
70-74		207681.216	125523.402	82157.815	
Stroke	Males	30-34	73463.650	43239.113	30224.536
		35-39	151934.057	86780.812	65153.245
		40-44	262845.974	142062.082	120783.892
		45-49	383421.246	193411.622	190009.624
		50-54	479872.634	219766.229	260106.404
		55-59	437124.903	185202.932	251921.971
		60-64	419457.235	180819.387	238637.848
		65-69	128180.574	57755.258	70425.316
		70-74	53245.965	26117.195	27128.770
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	40222.252	22696.838

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

		35-39	120806.205	72970.502	47835.703	
		40-44	203391.885	113890.224	89501.661	
		45-49	278172.097	144425.763	133746.334	
		50-54	325979.181	157709.878	168269.303	
		55-59	275161.340	125016.701	150144.638	
		60-64	268920.493	123628.739	145291.754	
		65-69	87956.054	41985.342	45970.712	
		70-74	42055.224	20889.451	21165.773	
		75-79	0.000	0.000	0.000	
COPD	Males	30-34	40547.801	25990.083	14557.718	
		35-39	70214.933	45376.188	24838.745	
		40-44	138408.960	87739.660	50669.300	
		45-49	295573.443	182885.277	112688.166	
		50-54	603979.438	360181.680	243797.758	
		55-59	1086086.992	635698.123	450388.869	
		60-64	1465829.290	906748.402	559080.888	
		65-69	1451838.682	946820.806	505017.876	
		70-74	692979.695	469908.379	223071.316	
			75-79	0.000	0.000	0.000
		Female	30-34	34659.261	23637.913	11021.348
			35-39	65652.924	44306.364	21346.560
			40-44	133169.505	87706.947	45462.559
			45-49	267988.924	170614.693	97374.232
			50-54	523734.121	325540.202	198193.919
			55-59	870859.170	528166.044	342693.125
			60-64	1166683.329	722504.416	444178.912
			65-69	1190003.066	753835.832	436167.234
			70-74	588541.493	377167.695	211373.798
			75-79	0.000	0.000	0.000

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

Table 6: Estimated Loss of Life, at the end of follow-up, Population and Number deaths adjusted for Ecig scenario

Disease	Sex	Age Group	Years of life lost NULL	Years of life lost Ecig	Years of life Saved
All Diseases	Males	30-34	443911.034	240295.542	203615.492
		35-39	1146798.555	614382.590	532415.965
		40-44	2609591.408	1358299.562	1251291.85
		45-49	4775841.753	2445453.230	2330388.52
		50-54	7446969.205	3955935.813	3491033.39
		55-59	8240205.925	4806739.770	3433466.15
		60-64	8772829.118	5540076.513	3232752.60
		65-69	6161494.678	4271715.072	1889779.61
		70-74	2495906.274	1792892.460	703013.813
	75-79	0.000	0.000	0.000	
	Female	30-34	229140.561	142867.521	86273.040
		35-39	570217.942	348816.650	221401.292
		40-44	1267538.938	752177.476	515361.462
		45-49	2340070.698	1365500.882	974569.816
		50-54	3743803.613	2200040.712	1543762.90
		55-59	4591478.168	2820589.243	1770888.93
		60-64	5207367.788	3319950.168	1887417.62
		65-69	4092181.394	2749238.552	1342942.84
70-74		1776092.171	1212737.991	563354.179	
Lung cancer	Males	30-34	66065.017	51861.568	14203.450
		35-39	232509.414	184117.298	48392.116
		40-44	688628.041	533754.431	154873.611
		45-49	1528300.367	1148465.918	379834.449
		50-54	2730187.229	2020722.512	709464.717
		55-59	3909101.673	2876113.102	1032988.57
		60-64	4287716.660	3247144.087	1040572.57
		65-69	3467897.115	2673905.011	793992.103
		70-74	1312144.343	1029543.380	282600.963
	75-79	0.000	0.000	0.000	
	Female	30-34	51913.113	40798.439	11114.674
		35-39	189792.904	149368.132	40424.773
		40-44	527596.573	398171.105	129425.468
		45-49	1122524.269	815732.278	306791.991
		50-54	1882214.322	1337833.891	544380.431
		55-59	2595581.943	1820531.492	775050.451
		60-64	2846273.090	2033331.385	812941.704
		65-69	2358758.394	1703097.298	655661.096
70-74		937814.238	686061.005	251753.232	
IHD	Males	30-34	263834.566	119200.238	144634.328
		35-39	692140.150	298080.743	394059.407
		40-44	1519708.432	594597.534	925110.898
		45-49	2568546.697	920071.393	1648475.30
		50-54	3632929.903	1353307.285	2279622.62
		55-59	2807892.356	1105898.872	1701993.48
		60-64	2599825.934	1197741.854	1402084.08
		65-69	1113578.307	585404.907	528173.400
		70-74	437536.271	262317.365	175218.905
	75-79	0.000	0.000	0.000	
	Female	30-34	79649.097	38207.231	41441.866
		35-39	193965.908	82161.928	111803.979
		40-44	403380.974	152359.220	251021.754
		45-49	671385.408	234523.510	436861.898
		50-54	1011875.989	378294.435	633581.554
		55-59	849875.715	345465.467	504410.248
		60-64	925490.876	437394.865	488096.011
		65-69	455463.881	246433.103	209030.778
70-74		207681.216	125759.605	81921.611	
Stroke	Males	30-34	73463.650	43241.595	30222.055
		35-39	151934.057	86796.422	65137.635
		40-44	262845.974	142135.919	120710.055
		45-49	383421.246	193651.963	189769.283
		50-54	479872.634	220262.545	259610.089
		55-59	437124.903	185697.260	251427.644
		60-64	419457.235	181468.791	237988.443
		65-69	128180.574	57929.286	70251.288
		70-74	53245.965	26203.287	27042.679
	75-79	0.000	0.000	0.000	
	Female	30-34	62919.090	40223.175	22695.915

Results for PHIM for Run 8 (ELL Summary Sensitivity_Analysis_4.RTF)

		35-39	120806.205	72975.591	47830.614	
		40-44	203391.885	113912.692	89479.194	
		45-49	278172.097	144492.141	133679.956	
		50-54	325979.181	157843.525	168135.656	
		55-59	275161.340	125156.290	150005.049	
		60-64	268920.493	123832.981	145087.512	
		65-69	87956.054	42054.073	45901.981	
		70-74	42055.224	20933.529	21121.694	
		75-79	0.000	0.000	0.000	
COPD	Males	30-34	40547.801	25992.141	14555.660	
		35-39	70214.933	45388.128	24826.806	
		40-44	138408.960	87811.678	50597.282	
		45-49	295573.443	183263.957	112309.486	
		50-54	603979.438	361643.471	242335.967	
		55-59	1086086.992	639030.536	447056.456	
		60-64	1465829.290	913721.781	552107.509	
		65-69	1451838.682	954475.868	497362.814	
		70-74	692979.695	474828.428	218151.266	
			75-79	0.000	0.000	0.000
		Female	30-34	34659.261	23638.676	11020.585
			35-39	65652.924	44310.999	21341.926
			40-44	133169.505	87734.458	45435.047
			45-49	267988.924	170752.954	97235.971
			50-54	523734.121	326068.860	197665.261
			55-59	870859.170	529435.993	341423.177
			60-64	1166683.329	725390.937	441292.392
			65-69	1190003.066	757654.078	432348.988
			70-74	588541.493	379983.851	208557.642
			75-79	0.000	0.000	0.000
