Supplementary Material

Table S1. Diagnosis Codes

Conditions	ICD-9 Code/ Procedure Code	ICD-10 Code
Smoking attributable conditions		
Cardiovascular diseases		
Coronary heart disease	410 - 414, 429.2	I20 - I25
Pulmonary heart disease	415 - 417	I26 - I28
Rheumatic heart disease	390-398	I00 - I09
Other forms of heart diseases	420 - 429.1, 429.3 - 429.9	I30 - I52
Cerebrovascular disease	430 - 438	I60 - I69
Atherosclerosis	440	I70
Aortic aneurysm	441	I71
Other arterial disease	442 - 448	I72 - I78
Diabetes mellitus	250	E10 - E14
Pulmonary conditions		
Influenza	487	J10 - J11
Pneumonia	480 - 486	J12 - J18
Tuberculosis	010 - 018	A16 - A19
Chronic obstructive pulmonary disease		
Bronchitis	490 - 491	J40 - J42
Emphysema	492	J43
Chronic airways obstruction	496	J44
Neuropsychiatric conditions		
Depression	296.2, 296.3, 298.0, 309.0, 311	F32, F33, F43.21
Schizophrenia	295	F20, F21, F25
Bipolar disorder	296.0, 296.1, 296.4 - 296.8	F31

Conditions	ICD-9 Code/ Procedure Code	ICD-10 Code
Suicide attempt/self-harm	E950-E959, E980-E982	T14.91, T39.012A - T41.42A, T42.32A - T42.32A, T40.72A - T42.64A, T40.82A - T43.92A, T65.92A, T60.02A - T60.92A, T54.02A - T57.22A, T57.02A, T51.02A - T63.042A, T59.892A, T71.162A, T71.122A, X71 - X83; T39.014A - T40.44A, T42.34A, T43.014A - T43.94A, T36.04A - T44.14A, T50.904A, T54.04A - T57.24A, T60.04A - T60.94A, T57.04A, T51.04A - T63.044A, T59.894A - T59.894S, T58.04A, T58.14A - T58.94A, T53.54A - T59.94A
Post-traumatic stress disorder	309.81	F43.10 - F43.12
Other psychosis	293, 294, 297 - 299	F05, R41.0, F06.2, F06.0, F06.30 - F06.34, F06.4, F06.1, F53, F06.8, F09; F04, F02.80, F02.81, F03.90, F06.8, F09, F06.0, F06.1, F06.8, F03.91; F22, F23, F24; F30.8, F44.89, F28, F29; F84.0, F84.3, F84.5, F84.8, F84.9
Drug-induced mental disorders	292	F11 - F19
Anxiety disorder	300	F40 - F41
Other conditions		
Tobacco dependence	305.1	F17.200 - F17.291
Cancer (excluding skin cancer)	196 - 199	C77 – C80
Smoking cessation counseling	99406, 99407, G0436, G0437, G8402, G8453, 0004F, 4000F	Z716

Table S2. Healthcare Costs in Follow-up

	Initiator Population												
	Quar	rter 1	Quar	rter 2	Quar	rter 3	Quar	ter 4					
	Varenicline (n=209,284)	NRT Patch (n=34,593)	Varenicline (n=175,684)	NRT Patch (n=27,557)	Varenicline (n=153,792)	NRT Patch (n=22,606)	Varenicline (n=132,205)	NRT Patch (n=18,047)					
Smoking-attributable (Smoking-attributable Costs												
Total Costs	\$1,185	\$2,093	\$679	\$1,374	\$619	\$1,277	\$614	\$1,107					
	(\$6,179)	(\$13,161)	(\$5,966)	(\$8,862)	(\$4,832)	(\$10,448)	(\$4,715)	(\$6,612)					
Medical Costs	\$588	\$1,742	\$445	\$1,119	\$407	\$1,029	\$401	\$863					
	(\$6,090)	(\$13,055)	(\$5,894)	(\$8,749)	(\$4,742)	(\$10,375)	(\$4,611)	(\$6,497)					
Outpatient Costs	\$306	\$784	\$215	\$512	\$207	\$438	\$209	\$385					
	(\$2,807)	(\$4,440)	(\$2,376)	(\$3,810)	(\$2,209)	(\$4,268)	(\$2,353)	(\$3,010)					
Inpatient/ER Costs	\$282	\$957	\$230	\$606	\$199	\$591	\$192	\$478					
	(\$5,061)	(\$11,668)	(\$5,140)	(\$7,396)	(\$3,944)	(\$9,113)	(\$3,704)	(\$5,406)					
Pharmacy Costs	\$597 (\$665)	\$351 (\$772)	\$234 (\$602)	\$255 (\$851)	\$212 (\$605)	\$247 (\$678)	\$212 (\$641)	\$244 (\$631)					
Smoking Cessation Therapy Costs	\$418 (\$244)	\$71 (\$49)	\$65 (\$168)	\$7 (\$26)	\$40 (\$132)	\$4 (\$20)	\$35 (\$138)	\$4 (\$19)					
All-cause Costs													
Total Costs	\$4,124	\$8,602	\$3,128	\$6,152	\$2,974	\$5,543	\$2,990	\$5,136					
	(\$13,719)	(\$26,657)	(\$12,922)	(\$21,025)	(\$11,537)	(\$21,317)	(\$12,944)	(\$20,366)					
Medical Costs	\$3,047	\$7,558	\$2,418	\$5,223	\$2,284	\$4,623	\$2,284	\$4,234					
	(\$13,344)	(\$26,102)	(\$12,475)	(\$20,270)	(\$11,054)	(\$20,701)	(\$11,895)	(\$19,790)					
Outpatient Costs	\$1,853	\$4,137	\$1,434	\$2,817	\$1,387	\$2,518	\$1,383	\$2,310					
	(\$7,006)	(\$13,625)	(\$6,181)	(\$11,655)	(\$6,069)	(\$11,062)	(\$6,207)	(\$10,305)					
Inpatient/ER Costs	\$1,194	\$3,421	\$984	\$2,406	\$897	\$2,105	\$902	\$1,924					
	(\$10,311)	(\$20,227)	(\$10,036)	(\$14,753)	(\$8,305)	(\$15,989)	(\$9,204)	(\$14,822)					
Pharmacy Costs	\$1,076	\$1,044	\$710	\$929	\$689	\$920	\$706	\$902					
	(\$2,442)	(\$3,444)	(\$2,715)	(\$4,100)	(\$2,634)	(\$3,837)	(\$3,295)	(\$3,762)					

	Adherent Population											
	Quai	ter 1	Quai	Quarter 2		rter 3	Quai	rter 4				
	Varenicline (n=38,744)	NRT Patch (n=2,702)	Varenicline (n=32,385)	NRT Patch (n=2,218)	Varenicline (n=28,215)	NRT Patch (n=1,840)	Varenicline (n=24,126)	NRT Patch (n=1,479)				
Smoking-attributable (Costs											
Total Costs	\$1,730	\$2,561	\$989	\$1,571	\$782	\$1,761	\$794	\$1,101				
	(\$5,959)	(\$11,085)	(\$8,302)	(\$8,797)	(\$5,074)	(\$20,012)	(\$6,001)	(\$4,716)				
Medical Costs	\$685	\$2,026	\$581	\$1,209	\$458	\$1,434	\$482	\$769				
	(\$5,846)	(\$10,960)	(\$8,224)	(\$8,709)	(\$4,949)	(\$19,960)	(\$5,895)	(\$4,604)				
Outpatient Costs	\$368	\$978	\$282	\$624	\$242	\$388	\$246	\$397				
	(\$2,867)	(\$4,789)	(\$2,813)	(\$4,931)	(\$2,054)	(\$2,095)	(\$2,599)	(\$2,700)				
Inpatient/ER Costs	\$318	\$1,048	\$299	\$585	\$216	\$1,046	\$236	\$372				
	(\$4,717)	(\$9,164)	(\$7,488)	(\$6,278)	(\$4,181)	(\$19,656) ^{NS}	(\$4,873)	(\$3,587) ^{NS}				
Pharmacy Costs	\$1,045 (\$719)	\$534 (\$832)	\$408 (\$776)	\$362 (\$847)	\$324 (\$801)	\$326 (\$826) ^{NS}	\$312 (\$823)	\$332 (\$700)				
Smoking Cessation Therapy Costs	\$798 (\$230)	\$176 (\$72)	\$175 (\$260)	\$30 (\$57)	\$82 (\$195)	\$14 (\$42)	\$66 (\$186)	\$10 (\$36)				
All-cause Costs												
Total Costs	\$4,708	\$8,398	\$3,709	\$5,935	\$3,397	\$5,550	\$3,506	\$4,209				
	(\$12,628)	(\$23,140)	(\$13,689)	(\$19,439)	(\$11,940)	(\$24,982)	(\$18,150)	(\$12,355)				
Medical Costs	\$3,107	\$7,058	\$2,751	\$4,844	\$2,529	\$4,474	\$2,591	\$3,134				
	(\$12,216)	(\$22,614)	(\$13,277)	(\$18,736)	(\$11,463)	(\$24,624)	(\$15,500)	(\$11,396) ^{NS}				
Outpatient Costs	\$1,955	\$4,117	\$1,596	\$2,918	\$1,516	\$2,324	\$1,555	\$2,060				
	(\$6,718)	(\$15,708)	(\$6,452)	(\$11,549)	(\$5,799)	(\$8,435)	(\$7,588)	(\$8,911)				
Inpatient/ER Costs	\$1,152	\$2,941	\$1,155	\$1,926	\$1,014	\$2,150	\$1,036	\$1,075				
	(\$9,280)	(\$14,355)	(\$10,759)	(\$13,294)	(\$8,936)	(\$21,820)	(\$12,761)	(\$6,251) ^{NS}				
Pharmacy Costs	\$1,601	\$1,340	\$958	\$1,091	\$868	\$1,077	\$915	\$1,075				
	(\$2,425)	(\$3,735)	(\$2,552)	(\$4,164) ^{NS}	(\$2,485)	(\$3,332)	(\$5,163)	(\$4,366) ^{NS}				

Mean (standard deviation) [median] were reported for continuous variables.

All differences between VAR and NRT patch cohort were statistically significant at 0.05 level, unless noted otherwise.

 $NS = p \text{ value } \ge 0.05$

Table S3. Propensity Score Regressions and Summary Statistics

	Initiator I	Population	Adherent	Population
Covariates	Odds Ratio	95% CI	Odds Ratio	95% CI
Age groups				
45-54 vs 18-44	1.01	(0.95 - 1.07)	1.20	(1.01 - 1.43)
55-64 vs 18-44	0.91	(0.86 - 0.96)	1.06	(0.90 - 1.25)
65+ vs 18-44	0.89	(0.84 - 0.94)	1.05	(0.89 - 1.23)
Gender				
Male vs female	0.91	(0.89 - 0.93)	1.01	(0.93 - 1.09)
Health plan out-of-network coverage				
Covered vs not covered	0.49	(0.47 - 0.51)	0.61	(0.53 - 0.70)
Other/missing vs not covered	0.92	(0.89 - 0.95)	0.91	(0.83 - 1.01)
Region				
North Central vs West	0.54	(0.48 - 0.61)	0.58	(0.38 - 0.88)
Northeast vs West	0.77	(0.68 - 0.86)	0.83	(0.55 - 1.26)
South vs West	1.26	(1.12 - 1.42)	1.45	(0.95 - 2.21)
Unknown/missing vs West	0.81	(0.72 - 0.92)	0.90	(0.59 - 1.39)
Residence type				
Urban vs Rural	0.86	(0.83 - 0.89)	0.83	(0.74 - 0.92)
Index year				
2012 vs 2016	3.13	(2.97 - 3.29)	2.70	(2.27 - 3.20)
2013 vs 2016	2.29	(2.19 - 2.39)	2.18	(1.88 - 2.52)
2014 vs 2016	1.48	(1.43 - 1.54)	1.37	(1.20 - 1.56)
2015 vs 2016	0.92	(0.88 - 0.96)	0.89	(0.78 - 1.01)
Baseline characteristics				
Diagnosis of specific conditions (Yes vs No)				
Cardiovascular diseases	0.87	(0.83 - 0.90)	0.86	(0.76 - 0.98)
Diabetes	1.24	(1.19 - 1.30)	1.23	(1.07 - 1.42)
Pulmonary conditions	0.98	(0.95 - 1.02)	0.89	(0.79 - 1.01)
Neuropsychiatric conditions	0.60	(0.58 - 0.61)	0.62	(0.56 - 0.68)

	Initiator I	Population	Adherent	Population	
Covariates	Odds Ratio	95% CI	Odds Ratio	95% CI	
Cancer (excluding skin cancer)	0.98	(0.91 - 1.04)	0.84	(0.68 - 1.03)	
Charlson Comorbidity Index					
0 vs 3+	2.48	(2.35 - 2.61)	1.73	(1.45 - 2.06)	
1 vs 3+	1.69	(1.61 - 1.77)	1.32	(1.13 - 1.54)	
2 vs 3+	1.37	(1.30 - 1.43)	1.11	(0.96 - 1.29)	
Any smoking cessation counseling (Yes vs No)	1.09	(1.03 - 1.15)	1.03	(0.87 - 1.22)	
Any smoking attributable hospitalization (Yes vs No)	0.23	(0.22 - 0.25)	0.25	(0.21 - 0.30)	
Total smoking attributable healthcare costs (\$)	0.99	(0.99 - 1.00)	0.98	(0.97 - 1.00)	
Number of quarters in follow-up	1.08	(1.07 - 1.09)	1.02	(0.98 - 1.06)	
Summary Statistics of Propensity Score	Mean (Standard Devia	ation)	Mean (Standard Deviation)		
Varenicline cohort	0.87 ((0.10)	0.94 (0.05)		
NRT patch cohort	0.77 ((0.11)			

Logistic regression was conducted on the indicator of being in varenicline cohort (vs. in NRT patch cohort).

Abbreviations: NRT = nicotine replacement therapy

Table S4. Regressions Results on Healthcare Costs

Coefficients on	Total	Costs	Medica	l Costs	Pharma	cy Costs	Outpatie	nt Costs	Inpatient &	ER Costs
treatment cohort in	Any costs [†]	Costs [‡]								
different regressions	Odds Ratio	Cost Ratio								
Smoking-attributa	able costs amo	ng initiator p	opulation							
Treatment cohort (varenicline vs l	NRT patch) by	quarter							
Quarter 1	96.14*	1.30*	1.34*	0.79*	104.46*	3.04*	1.31*	0.87*	0.78*	1.02
Quarter 2	0.36*	1.08*	0.70*	0.87*	0.40*	1.62*	0.68*	0.91*	0.70*	1.00
Quarter 3	0.30*	1.01	0.72*	0.80*	0.34*	1.53*	0.70*	0.91*	0.70*	0.77*
Quarter 4	0.30*	1.01	0.73*	0.80*	0.34*	1.55*	0.71*	0.92	0.68*	0.86*
All-cause costs an	ong initiator	population								
Treatment cohort (varenicline vs l	NRT patch) by	quarter							
Quarter 1	107.07*	0.99	2.11*	0.81*	29.66*	1.82*	2.1*	0.85*	0.8*	1.03
Quarter 2	0.57*	0.83*	0.7*	0.8*	0.48*	1.09*	0.69*	0.8*	0.74*	0.91*
Quarter 3	0.50*	0.82*	0.69*	0.79*	0.42*	1.07*	0.68*	0.8*	0.72*	0.9*
Quarter 4	0.50*	0.84*	0.69*	0.81*	0.41*	1.14*	0.69*	0.83*	0.72*	0.91*
Smoking-attributa	able costs amo	ng adherent j	population							
Treatment cohort (varenicline vs l	NRT patch) by	quarter							
Quarter 1	61.61*	1.59*	1.3*	0.79*	60.46*	3.12*	1.27*	0.88	0.78*	0.99
Quarter 2	0.65*	0.98	0.73*	0.87	0.72*	1.46*	0.71*	0.95	0.72*	0.93
Quarter 3	0.37*	0.86	0.72*	0.73*	0.42*	1.22*	0.69*	0.84	0.71*	0.76
Quarter 4	0.33*	0.86	0.74*	0.76*	0.38*	1.21*	0.71*	0.85	0.7*	0.79
All-cause costs an	ong adherent	population								
Treatment cohort (varenicline vs l	NRT patch) by	quarter							
Quarter 1	65.86*	1.14*	2.11*	0.85*	17.13*	2.11*	2.09*	0.90*	0.82*	1.04
Quarter 2	0.69*	0.92	0.72*	0.91	0.71*	1.11	0.71*	0.87*	0.84*	0.99
Quarter 3	0.46*	0.88*	0.7*	0.87*	0.48*	1.02	0.68*	0.87*	0.8*	0.93

Coefficients on	Coefficients on Total Costs				Pharmacy Costs		Outpatient Costs		Inpatient & ER Costs	
treatment cohort in	Any costs [†]	Costs [‡]	Any costs [†]	Costs [‡]	Any costs [†]	Costs [‡]	Any costs [†]	Costs [‡]	Any costs [†]	Costs [‡]
different										
regressions	Odds Ratio	Cost Ratio	Odds Ratio	Cost Ratio	Odds Ratio	Cost Ratio	Odds Ratio	Cost Ratio	Odds Ratio	Cost Ratio
Quarter 4	0.44*	0.92	0.7*	0.93	0.44*	1.07	0.68*	0.92	0.81*	0.96

† Logistic regression on probability of any costs; other covariates included baseline characteristics — demographics, Charlson Comorbidity Index, diagnosis of specific conditions (cardiovascular diseases, diabetes mellitus, pulmonary conditions, neuropsychiatric conditions, malignancy [excluding skin cancer], and tobacco dependence), use of smoking cessation counseling, occurrence of hospitalization (SA or all cause, corresponding to study outcomes), healthcare costs (corresponding to study outcomes) — and propensity scores

‡ Generalized linear model with gamma distribution and log link, among patients with any costs; other covariates included baseline characteristics — demographics, Charlson Comorbidity Index, diagnosis of specific conditions (cardiovascular diseases, diabetes mellitus, pulmonary conditions, neuropsychiatric conditions, malignancy [excluding skin cancer], and tobacco dependence), use of smoking cessation counseling, occurrence of hospitalization (SA or all cause, corresponding to study outcomes), healthcare costs (corresponding to study outcomes) — and propensity scores

* p < 0.05

Abbreviations: NRT = nicotine replacement therapy

Table S5. Sensitivity Analysis: Patient Characteristics in Follow-up after Propensity Score Matching

		Initiator Po	opulation	Adherent Population					
		n Main Analysis Iatching		Subgroup with ≥12 Months of Follow-up after Matching		Study Sample in Main Analysis after Matching		Subgroup with ≥12 Months of Follow-up after Matching	
	Varenicline (n=53,100)	NRT Patch (n=26,550)	Varenicline (n=29,408)	NRT Patch (n=14,704)	Varenicline (n=5,048)	NRT Patch (n=2,524)	Varenicline (n=2,104)	NRT Patch (n=1,052)	
Age	48.6 (11.8)	47.8 (12.7)*	48.7 (11.7)	48.4 (12.6)*	50.9 (10.8)	51.0 (12.1)	50 (11)	50 (12)	
Male	24,232 (45.6%)	12,405 (46.7%)*	13,734 (46.7%)	6,878 (46.8%)	2,575 (51.0%)	1,287 (51.0%)	1,022 (49%)	532 (51%)	
Health plan out-of- network coverage		*							
Covered	8,152 (15.4%)	4,475 (16.9%)	5,067 (17.2%)	2,495 (17.0%)	697 (13.8%)	339 (13.4%)	274 (13%)	142 (13%)	
Not covered	34,545 (65.1%)	16,861 (63.5%)	19,534 (66.4%)	9,772 (66.5%)	3,286 (65.1%)	1,642 (65.1%)	1,432 (68%)	698 (66%)	
Other/missing	10,403 (19.6%)	5,214 (19.6%)	4,807 (16.3%)	2,437 (16.6%)	1,065 (21.1%)	543 (21.5%)	398 (19%)	212 (20%)	
Region		*		*					
Northeast	13,093 (24.7%)	6,967 (26.2%)	7,820 (26.6%)	3,761 (25.6%)	1,368 (27.1%)	674 (26.7%)	524 (25%)	229 (22%)	
North Central	15,627 (29.4%)	8,083 (30.4%)	9,162 (31.2%)	4,665 (31.7%)	1,565 (31.0%)	774 (30.7%)	655 (31%)	360 (34%)	
South	16,319 (30.7%)	7,623 (28.7%)	8,256 (28.1%)	4,238 (28.8%)	1,368 (27.1%)	700 (27.7%)	602 (29%)	315 (30%)	
West	7,377 (13.9%)	3,617 (13.6%)	4,001 (13.6%)	1,915 (13.0%)	702 (13.9%)	352 (13.9%)	305 (14%)	145 (14%)	
Unknown/ missing	684 (1.3%)	260 (1.0%)	169 (0.6%)	125 (0.9%)	45 (0.9%)	24 (1.0%)	18 (1%)	3 (0%)	
Residence type, Urban	43,465 (81.9%)	21,658 (81.6%)	24,068 (81.8%)	12,012 (81.7%)	4,082 (80.9%)	2,060 (81.6%)	1,717 (82%)	860 (82%)	
Index year		*							
2012	5,127 (9.7%)	2,342 (8.8%)	3,407 (11.6%)	1,720 (11.7%)	425 (8.4%)	214 (8.5%)	234 (11%)	125 (12%)	
2013	10,279 (19.4%)	4,897 (18.4%)	7,375 (25.1%)	3,786 (25.7%)	828 (16.4%)	418 (16.6%)	532 (25%)	266 (25%)	
2014	12,212 (23.0%)	6,066 (22.8%)	7,570 (25.7%)	3,786 (25.7%)	1,179 (23.4%)	604 (23.9%)	619 (29%)	288 (27%)	
2015	13,594 (25.6%)	6,946 (26.2%)	11,035 (37.5%)	5,399 (36.7%)	1,397 (27.7%)	695 (27.5%)	718 (34%)	372 (35%)	
2016	11,888 (22.4%)	6,299 (23.7%)	21 (0.1%)	13 (0.1%)	1,219 (24.1%)	593 (23.5%)	1 (0%)	1 (0%)	

		Initiator P	opulation	Adherent Population				
	Study Sample in Main Analysis after Matching		Subgroup with ≥12 Months of Follow-up after Matching		Study Sample in Main Analysis after Matching		Subgroup with ≥12 Months of Follow-up after Matching	
	Varenicline (n=53,100)	NRT Patch (n=26,550)	Varenicline (n=29,408)	NRT Patch (n=14,704)	Varenicline (n=5,048)	NRT Patch (n=2,524)	Varenicline (n=2,104)	NRT Patch (n=1,052)
Diagnosis of specific conditions								
Cardiovascular diseases	8,740 (16.5%)	3,791 (14.3%)*	4,638 (15.8%)	2,373 (16.1%)	1,076 (21.3%)	551 (21.8%)	286 (14%)	152 (14%)
Diabetes mellitus	6,448 (12.1%)	2,991 (11.3%)*	3,282 (11.2%)	1,684 (11.5%)	656 (13.0%)	342 (13.5%)	247 (12%)	125 (12%)
Pulmonary conditions	7,912 (14.9%)	3,678 (13.9%)*	4,040 (13.7%)	2,063 (14.0%)	898 (17.8%)	450 (17.8%)	281 (13%)	130 (12%)
Neuropsychiatric conditions	13,483 (25.4%)	6,673 (25.1%)	5,366 (18.2%)	2,803 (19.1%)*	1,361 (27.0%)	673 (26.7%)	351 (17%)	177 (17%)
Tobacco dependence	17,761 (33.4%)	8,414 (31.7%)*	8,958 (30.5%)	4,650 (31.6%)*	1,774 (35.1%)	891 (35.3%)	636 (30%)	303 (29%)
Charlson Comorbidity Index	1.2 (1.5)	1.0 (1.5) *	1.1 (1.5)	1.1 (1.6)	1.4 (1.8)	1.4 (1.8)	1 (2)	1 (2)
Any smoking cessation counseling	3,288 (6.2%)	1,639 (6.2%)	1,701 (5.8%)	892 (6.1%)	341 (6.8%)	164 (6.5%)	126 (6%)	54 (5%)
Any all-cause hospitalization	1,848 (3.5%)	1,235 (4.7%)*	2,246 (7.6%)	1,180 (8.0%)	855 (16.9%)	437 (17.3%)	73 (3%)	47 (4%)
All-cause total healthcare cost	\$6,084 (\$11,255)	\$6,068 (\$10,228)	\$7,844 (\$18,032)	\$8,563 (\$20,317)*	\$12,684 (\$26,272)	\$15,372 (\$45,055)	\$6,091 (\$13,029)	\$7,676 (\$33,289)

N (%) were reported for categorical/binary variables, and mean (standard deviation) were reported for continuous variables.

All standard differences were <10%.

Abbreviations: NRT = nicotine replacement therapy; VAR = varenicline

^{*} p < 0.05