Supplementary Material

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Table S1. Logistic regression: 30 day cigarette cessation at Wave 2 as a function of ecigarette use versus non-use, PATH (2013-2015) (n=5,124)

	30-day cigarette cessation at Wave 2			
	Adjusted OR	95% CI	p-value	
Sex			_	
Male	Ref	-	-	
Female	1.11	(0.90, 1.38)	0.311	
Age				
25 to 34 years	Ref	-	-	
35 to 44 years	0.95	(0.68, 1.34)	0.783	
45 to 54 years	0.92	(0.60, 1.40)	0.684	
55 to 64 years	1.03	(0.67, 1.57)	0.898	
65 to 74 years	1.24	(0.70, 2.20)	0.464	
≥ 75 years	1.74	(0.63, 4.83)	0.285	
Race/Ethnicity				
Non-Hispanic White	Ref	-	-	
Non-Hispanic Black	0.60	(0.40, 0.89)	0.013	
Hispanic	0.82	(0.57, 1.19)	0.292	
Non-Hispanic Other	1.08	(0.61, 1.90)	0.794	
Region				
Northeast	Ref	-	-	
Midwest	1.04	(0.68, 1.58)	0.866	
South	1.35	(0.94, 1.95)	0.105	
West	1.07	(0.71, 1.60)	0.759	
Household Income				
Below poverty level	Ref	-	-	
At or near poverty level	1.16	(0.82, 1.63)	0.392	
≥ twice poverty level	1.36	(0.96, 1.93)	0.084	
Education				
Less than high school	Ref	-	-	
High school or equivalent	0.93	(0.60, 1.43)	0.730	
Some college	0.99	(0.66, 1.47)	0.951	
Bachelor's/advanced degree	0.90	(0.52, 1.56)	0.711	
Lived in a smoking household as a child				
No	Ref	-	-	
Yes	0.82	(0.59, 1.15)	0.251	
Currently lives with a cigarette smoker				
No	Ref	_	-	
Yes	0.97	(0.72, 1.30)	0.828	

Some day cigarette smoker Ref - - Every day cigarette smoker 0.29 (0.20, 0.40) <0.001 Intensity of cigarette smoking at Wave 1 - - - <1 pack per day Ref - - 1-2 packs per day 0.78 (0.61, 1.24) 0.436 ≥ 2 packs per day 0.78 (0.28, 2.15) 0.632 Time to first cigarette in morning Secondary - - - ≤ 5 minutes Ref - - - - 5-30 minutes 1.28 (0.87, 1.88) 0.212 0.212 0.042 0.042 0.042 0.042 0.042 0.042 0.005	Frequency of cigarette use at Wave 1				
Intensity of cigarette smoking at Wave 1 1 pack per day 1-2 packs per day ≥ 2 packs per day 0.78 (0.61, 1.24) 0.436 ≥ 2 packs per day 0.78 (0.28, 2.15) 0.632 Time to first cigarette in morning ≤ 5 minutes 5-30 minutes 1.28 (0.87, 1.88) 0.212 30-60 minutes 1.94 (0.80, 4.69) 0.142 > 60 minutes 1.83 (1.20, 2.79) 0.005 Tried to quit smoking cigarettes in year prior to Wave 1 No Yes 1.24 (0.99, 1.54) 0.059 New e-cigarette use at Wave 2 Non-user Ref </td <td>Some day cigarette smoker</td> <td>Ref</td> <td>-</td> <td>-</td> <td></td>	Some day cigarette smoker	Ref	-	-	
<1 pack per day	Every day cigarette smoker	0.29	(0.20, 0.40)	< 0.001	
1-2 packs per day 1-2 packs per day 2 packs per day 0.78	Intensity of cigarette smoking at Wave 1				
2 packs per day ≥ 2 packs per day 0.78 (0.28, 2.15) 0.632 Time to first cigarette in morning ≤ 5 minutes 1.28 (0.87, 1.88) 0.212 30-60 minutes 1.94 (0.80, 4.69) 0.142 > 60 minutes 1.83 (1.20, 2.79) Tried to quit smoking cigarettes in year prior to Wave 1 No Ref Yes 1.24 (0.99, 1.54) 0.059 New e-cigarette use at Wave 2 Non-user Ref - - 1.46 (0.28, 2.15) 0.632	<1 pack per day	Ref	-	-	
Time to first cigarette in morning ≤ 5 minutes	1-2 packs per day	0.87	(0.61, 1.24)	0.436	
 ≤ 5 minutes 5-30 minutes 30-60 minutes > 60 minutes 1.94 (0.80, 4.69) 0.142 > 60 minutes 1.83 (1.20, 2.79) 0.005 Tried to quit smoking cigarettes in year prior to Wave 1 No Ref Yes 1.24 (0.99, 1.54) 0.059 New e-cigarette use at Wave 2 Non-user Ref - <li< td=""><td>\geq 2 packs per day</td><td>0.78</td><td>(0.28, 2.15)</td><td>0.632</td><td></td></li<>	\geq 2 packs per day	0.78	(0.28, 2.15)	0.632	
5-30 minutes 5-30 minutes 1.28 (0.87, 1.88) 0.212 30-60 minutes 1.94 (0.80, 4.69) 0.142 > 60 minutes 1.83 (1.20, 2.79) 0.005 Tried to quit smoking cigarettes in year prior to Wave 1 No Ref Yes 1.24 (0.99, 1.54) 0.059 New e-cigarette use at Wave 2 Non-user Ref	Time to first cigarette in morning				
30-60 minutes 1.94 (0.80, 4.69) 0.142 > 60 minutes 1.83 (1.20, 2.79) 0.005 Tried to quit smoking cigarettes in year prior to Wave 1 No Ref	≤ 5 minutes	Ref	-	-	
> 60 minutes 1.83 (1.20, 2.79) 0.005 Tried to quit smoking cigarettes in year prior to Wave 1 Ref - - No Ref - - Yes 1.24 (0.99, 1.54) 0.059 New e-cigarette use at Wave 2 Ref - - Non-user Ref - -	5-30 minutes	1.28	(0.87, 1.88)	0.212	
Tried to quit smoking cigarettes in year prior to Wave 1 No Ref Yes 1.24 (0.99, 1.54) Nouser Ref Ref	30-60 minutes	1.94	(0.80, 4.69)	0.142	
prior to Wave 1 No Ref Yes 1.24 (0.99, 1.54) 0.059 New e-cigarette use at Wave 2 Non-user Ref 1.46 (0.05, 2.23) 0.001	> 60 minutes	1.83	(1.20, 2.79)	0.005	
No Ref	Tried to quit smoking cigarettes in year				
Yes 1.24 (0.99, 1.54) 0.059 New e-cigarette use at Wave 2 Non-user Ref	prior to Wave 1				
New e-cigarette use at Wave 2 Non-user Ref	No	Ref	-	-	
Non-user Ref	Yes	1.24	(0.99, 1.54)	0.059	
1.46 (0.05, 2.22) 0.001	New e-cigarette use at Wave 2				
E-cigarette user 1.46 (0.95, 2.23) 0.081	Non-user	Ref	-	-	
	E-cigarette user	1.46	(0.95, 2.23)	0.081	

Table S2. Logistic regression: 90 day cigarette cessation at Wave 2, PATH (2013-2015) (n=5,124)

	90-day cigarette cessation at Wave 2			
	Adjusted OR	95% CI	p-value	
Sex				
Male	Ref	-	-	
Female	1.15	(0.92, 1.44)	0.225	
Age				
25 to 34 years	Ref	-	-	
35 to 44 years	0.97	(0.67, 1.40)	0.867	
45 to 54 years	0.93	(0.60, 1.45)	0.757	
55 to 64 years	1.08	(0.69, 1.69)	0.734	
65 to 74 years	1.34	(0.70, 2.56)	0.373	
≥ 75 years	1.16	(0.36, 3.77)	0.803	
Race/Ethnicity				
Non-Hispanic White	Ref	-	-	
Non-Hispanic Black	0.59	(0.38, 0.92)	0.020	
Hispanic	0.84	(0.57, 1.25)	0.385	
Non-Hispanic Other	1.05	(0.53, 2.08)	0.883	
Region				
Northeast	Ref	-	-	
Midwest	0.93	(0.56, 1.55)	0.769	
South	1.25	(0.83, 1.88)	0.282	
West	0.98	(0.61, 1.57)	0.921	
Household Income				
Below poverty level	Ref	-	-	
At or near poverty level	1.06	(0.73, 1.52)	0.770	
≥ twice poverty level	1.16	(0.79, 1.68)	0.445	
Education				
Less than high school	Ref	-	-	
High school or equivalent	0.87	(0.56, 1.33)	0.508	
Some college	0.96	(0.64, 1.42)	0.827	
Bachelor's/advanced degree	0.82	(0.46, 1.48)	0.508	
Lived in a smoking household as a child				
No	Ref	-	-	
Yes	0.90	(0.63, 1.28)	0.542	
Currently lives with a cigarette smoker				
No	Ref	-	-	
Yes	0.95	(0.70, 1.27)	0.714	

Frequency of cigarette use at Wave 1			
Some day cigarette smoker	Ref	-	-
Every day cigarette smoker	0.25	(0.18, 0.37)	< 0.001
Intensity of cigarette smoking at Wave 1			
<1 pack per day	Ref	-	-
1-2 packs per day	0.84	(0.57, 1.24)	0.377
≥ 2 packs per day	0.75	(0.24, 2.36)	0.621
Time to first cigarette in morning			
≤ 5 minutes	Ref	-	-
5-30 minutes	1.24	(0.80, 1.92)	0.335
30-60 minutes	1.63	(0.54, 4.96)	0.384
> 60 minutes	1.87	(1.15, 3.02)	0.012
Tried to quit smoking cigarettes in year			
prior to Wave 1			
No	Ref	-	-
Yes	1.25	(0.99, 1.59)	0.060
New e-cigarette use at Wave 2			
Non-user	Ref	-	-
Experimenter	0.45	(0.21, 0.98)	0.045
Some day user	0.41	(0.12, 1.41)	0.155
Every day user	6.87	(3.86, 12.23)	< 0.001

Table S3. Logistic regression: 30-day cigarette cessation among smokers reporting a quit attempt in year prior to Wave 1, PATH (2013-2015) (n=2,337)

	30-day cigarette cessation at Wave 2			
	Adjusted OR	95% CI	p-value	
Sex				
Male	Ref	-	-	
Female	1.24	(0.88, 1.74)	0.212	
Age				
25 to 34 years	Ref	-	-	
35 to 44 years	0.97	(0.62, 1.52)	0.894	
45 to 54 years	1.00	(0.59, 1.68)	0.996	
55 to 64 years	1.17	(0.65, 2.12)	0.600	
65 to 74 years	1.14	(0.52, 2.50)	0.740	
\geq 75 years	0.39	(0.03, 5.40)	0.481	
Race/Ethnicity				
Non-Hispanic White	Ref	-	-	
Non-Hispanic Black	0.57	(0.32, 1.02)	0.058	
Hispanic	0.81	(0.47, 1.40)	0.446	
Non-Hispanic Other	0.94	(0.38, 2.31)	0.885	
Region				
Northeast	Ref	-	-	
Midwest	0.77	(0.40, 1.48)	0.437	
South	1.33	(0.82, 2.16)	0.246	
West	0.89	(0.51, 1.55)	0.676	
Household Income				
Below poverty level	Ref	-	-	
At or near poverty level	0.82	(0.49, 1.36)	0.430	
≥ twice poverty level	0.91	(0.56, 1.47)	0.704	
Education				
Less than high school	Ref	-	-	
High school or equivalent	0.86	(0.49, 1.51)	0.594	
Some college	1.14	(0.66, 1.97)	0.634	
Bachelor's/advanced degree	0.77	(0.38, 1.57)	0.475	
Lived in a smoking household as a child				
No	Ref	-	-	
Yes	1.07	(0.71, 1.64)	0.735	
Currently lives with a cigarette smoker				
No	Ref	-	-	
Yes	0.93	(0.63, 1.36)	0.694	
Frequency of cigarette use at Wave 1				
Some day cigarette smoker	Ref	-	-	

Every day cigarette smoker	0.34	(0.22, 0.52)	< 0.001
Intensity of cigarette smoking at Wave 1			
<1 pack per day	Ref	-	-
1-2 packs per day	0.68	(0.38, 1.24)	0.207
≥ 2 packs per day	0.59	(0.08, 4.43)	0.603
Time to first cigarette in morning			
≤ 5 minutes	Ref	-	-
5-30 minutes	1.16	(0.62, 2.17)	0.634
30-60 minutes	1.73	(0.40, 7.45)	0.461
> 60 minutes	1.97	(1.09, 3.57)	0.025
New e-cigarette use at Wave 2			
Non-user	Ref	-	-
Experimenter	0.73	(0.33, 1.63)	0.442
Some day user	0.64	(0.17, 2.37)	0.504
Every day user	3.46	(1.43, 8.37)	0.006

Table S4. Logistic regression: 30 day cigarette cessation at Wave 2 by current and recent ecigarette use, PATH (2013-2015) (n=5,124)

	30-day cigarette cessation at Wave 2		
	Adjusted OR	95% CI	p-value
Sex			
Male	Ref	-	-
Female	1.14	(0.91, 1.41)	0.246
Age			
25 to 34 years	Ref	-	-
35 to 44 years	0.92	(0.64, 1.30)	0.622
45 to 54 years	0.93	(0.61, 1.41)	0.726
55 to 64 years	1.06	(0.69, 1.63)	0.785
65 to 74 years	1.28	(0.70, 2.34)	0.419
≥ 75 years	1.61	(0.59, 4.43)	0.351
Race/Ethnicity			
Non-Hispanic White	Ref	-	-
Non-Hispanic Black	0.60	(0.40, 0.90)	0.014
Hispanic	0.82	(0.56, 1.20)	0.298
Non-Hispanic Other	1.06	(0.59, 1.91)	0.833
Region			
Northeast	Ref	-	-
Midwest	1.04	(0.68, 1.60)	0.860
South	1.36	(0.95, 1.96)	0.094
West	1.06	$(0.71.\ 1.60)$	0.764
Household Income			
Below poverty level	Ref	-	-
At or near poverty level	1.12	(0.79, 1.58)	0.516
≥ twice poverty level	1.31	(0.92, 1.87)	0.130
Education			
Less than high school	Ref	-	-
High school or equivalent	0.90	(0.59, 1.39)	0.635
Some college	1.00	(0.67, 1.50)	0.985
Bachelor's/advanced degree	0.92	(0.53, 1.58)	0.753
Lived in a smoking household as a child			
No	Ref	-	-
Yes	0.81	(0.57, 1.14)	0.227
Currently lives with a cigarette smoker			
No	Ref	-	-
Yes	0.98	(0.73, 1.32)	0.915

Frequency of cigarette use at Wave 1			
Some day cigarette smoker	Ref	-	-
Every day cigarette smoker	0.27	(0.19, 0.38)	< 0.001
Intensity of cigarette smoking at Wave 1			
<1 pack per day	Ref	-	-
1-2 packs per day	0.88	(0.62, 1.26)	0.489
≥ 2 packs per day	0.85	(0.30, 2.38)	0.758
Time to first cigarette in morning			
≤ 5 minutes	Ref	-	-
5-30 minutes	1.28	(0.86, 1.91)	0.226
30-60 minutes	1.88	(0.69, 5.12)	0.217
> 60 minutes	1.88	(1.21, 2.92)	0.005
Tried to quit smoking cigarettes in year prior			
to Wave 1			
No	Ref	-	-
Yes	1.26	(1.01, 1.57)	0.042
New e-cigarette use between Waves or at			
Wave 2			
No e-cigarette use at W2 or in last year	Ref	-	-
E-cigarette use in last year but not at W2	0.87	(0.61, 1.22)	0.414
Experimental e-cigarette use at W2	0.49	(0.24, 0.97)	0.041
Some day e-cigarette use at W2	0.48	(0.17, 1.40)	0.178
Every day e-cigarette use at W2	7.52	(4.18, 13.54)	< 0.001

Table S5. Logistic regression: 30-day cigarette cessation at Wave 2 by e-cigarette cartridge use and frequency of use, PATH (2013-2015) (n=5,020)

	30-day cigarette cessation at Wave 2		
	Adjusted		
	OR	95% CI	p-value
Sex			
Male	Ref	-	-
Female	1.16	(0.93, 1.45)	0.178
Age			
25 to 34 years	Ref	-	-
35 to 44 years	0.92	(0.65, 1.31)	0.651
45 to 54 years	0.94	(0.61, 1.43)	0.765
55 to 64 years	1.12	(0.72, 1.74)	0.599
65 to 74 years	1.32	(0.73, 2.38)	0.356
≥ 75 years	1.63	(0.62, 4.33)	0.319
Race/Ethnicity			
Non-Hispanic White	Ref	-	-
Non-Hispanic Black	0.62	(0.41, 0.94)	0.026
Hispanic	0.88	(0.60, 1.29)	0.500
Non-Hispanic Other	1.11	(0.62, 1.99)	0.720
Region			
Northeast	Ref	-	-
Midwest	1.04	(0.68, 1.59)	0.860
South	1.31	(0.91, 1.88)	0.146
West	1.02	(0.68, 1.53)	0.910
Household Income			
Below poverty level	Ref	-	-
At or near poverty level	1.09	(0.77, 1.54)	0.630
≥ twice poverty level	1.28	(0.90, 1.81)	0.164
Education			
Less than high school	Ref	-	-
High school or equivalent	0.90	(0.58, 1.40)	0.642
Some college	0.99	(0.66, 1.49)	0.961
Bachelor's/advanced degree	0.93	(0.54, 1.63)	0.809
Lived in a smoking household as a child			
No	Ref	-	-
Yes	0.83	(0.59, 1.19)	0.310
Currently lives with a cigarette smoker			
No	Ref	-	-
Yes	0.94	(0.69, 1.28)	0.690
Frequency of cigarette use at Wave 1			

Some day cigarette smoker	Ref	-	-
Every day cigarette smoker	0.27	(0.19, 0.38)	< 0.001
Intensity of cigarette smoking at Wave 1			
<1 pack per day	Ref	-	-
1-2 packs per day	0.91	(0.63, 1.31)	0.605
\geq 2 packs per day	0.94	(0.33, 2.67)	0.914
Time to first cigarette in morning			
≤ 5 minutes	Ref	-	-
5-30 minutes	1.27	(0.85, 1.89)	0.242
30-60 minutes	1.82	(0.66, 5.04)	0.246
> 60 minutes	1.86	(1.20, 2.88)	0.006
Tried to quit smoking cigarettes in year prior to Wave 1			
No	Ref	-	-
Yes	1.25	(1.00, 1.57)	0.052
Type and frequency of e-cigarette use at Wave 2			
No e-cigarette use	Ref	-	-
Experimental/some day use of non-cartridge e-cig	0.78	(0.36, 1.72)	0.538
Experimental/some day use of cartridge e-cig	0.30	(0.10, 0.88)	0.029
Every day use of non-cartridge e-cig	10.14	(5.37, 19.12)	< 0.001
Every day use of cartridge e-cig	2.36	(0.43, 12.98)	0.318

Table S6. Logistic regression: 30-day cigarette cessation at Wave 2 by refillable e-cigarette use and frequency of use, PATH (2013-2015) (n=5,122)

	30-day cigarette cessation at Wave 2		
	Adjusted		
	OR	95% CI	p-value
Sex			
Male	Ref	-	-
Female	1.15	(0.92, 1.43)	0.223
Age			
25 to 34 years	Ref	-	-
35 to 44 years	0.92	(0.65, 1.31)	0.647
45 to 54 years	0.96	(0.63, 1.46)	0.855
55 to 64 years	1.11	(0.72, 1.72)	0.627
65 to 74 years	1.33	(0.74, 2.39)	0.345
≥ 75 years	1.66	(0.63, 4.40)	0.304
Race/Ethnicity			
Non-Hispanic White	Ref	-	-
Non-Hispanic Black	0.62	(0.42, 0.93)	0.021
Hispanic	0.84	(0.58, 1.23)	0.373
Non-Hispanic Other	1.07	(0.60, 1.93)	0.812
Region			
Northeast	Ref	-	-
Midwest	1.02	(0.67, 1.57)	0.914
South	1.33	(0.92, 1.92)	0.124
West	1.04	(0.69, 1.56)	0.856
Household Income			
Below poverty level	Ref	-	-
At or near poverty level	1.12	(0.79, 1.58)	0.519
≥ twice poverty level	1.30	(0.91, 1.84)	0.145
Education			
Less than high school	Ref	-	_
High school or equivalent	0.90	(0.58, 1.39)	0.626
Some college	0.99	(0.66, 1.50)	0.974
Bachelor's/advanced degree	0.91	(0.53, 1.57)	0.738
Lived in a smoking household as a child		,	
No	Ref	_	_
Yes	0.81	(0.58, 1.15)	0.236
Currently lives with a cigarette smoker		, , ,	
No	Ref	-	_
Yes	0.96	(0.71, 1.31)	0.813
Frequency of cigarette use at Wave 1		` ' '	

Some day cigarette smoker	Ref	-	-
Every day cigarette smoker	0.27	(0.19, 0.38)	< 0.001
Intensity of cigarette smoking at Wave 1			
<1 pack per day	Ref	-	-
1-2 packs per day	0.88	(0.61, 1.26)	0.482
≥ 2 packs per day	0.85	(0.31, 2.36)	0.754
Time to first cigarette in morning			
≤ 5 minutes	Ref	-	-
5-30 minutes	1.26	(0.85, 1.87)	0.247
30-60 minutes	1.81	(0.66, 4.97)	0.244
> 60 minutes	1.85	(1.20, 2.87)	0.006
Tried to quit smoking cigarettes in year prior to Wave 1			
No	Ref	-	-
Yes	1.26	(1.00, 1.58)	0.045
Type and frequency of e-cigarette use at Wave 2			
No e-cigarette use	Ref	-	-
Experimental/some day use of non-refillable e-cig	0.25	(0.07, 0.92)	0.037
Experimental/some day use of refillable e-cig	0.72	(0.35, 1.45)	0.351
Every day use of non-refillable e-cig	3.31	(0.61, 17.85)	0.162
Every day use of refillable e-cig	9.13	(4.90, 17.02)	< 0.001

Table S7. Logistic regression: 30-day cigarette cessation at Wave 2 by e-cigarette tank use and frequency of use, PATH (2013-2015) (n=5,118)

• • • • • • • • • • • • • • • • • • • •	30-day cigarette cessation at Wave 2		
	Adjusted		
	OR	95% CI	p-value
Sex			
Male	Ref	-	-
Female	1.15	(0.93, 1.43)	0.201
Age			
25 to 34 years	Ref	-	-
35 to 44 years	0.92	(0.65, 1.32)	0.660
45 to 54 years	0.96	(0.63, 1.46)	0.849
55 to 64 years	1.12	(0.72, 1.73)	0.609
65 to 74 years	1.28	(0.71, 2.33)	0.407
≥ 75 years	1.65	(0.63, 4.36)	0.306
Race/Ethnicity			
Non-Hispanic White	Ref	-	-
Non-Hispanic Black	0.63	(0.42, 0.94)	0.025
Hispanic	0.86	(0.59, 1.25)	0.422
Non-Hispanic Other	1.09	(0.61, 1.96)	0.775
Region			
Northeast	Ref	-	-
Midwest	1.04	(0.68, 1.59)	0.858
South	1.34	(0.93, 1.93)	0.116
West	1.05	(0.69, 1.57)	0.829
Household Income			
Below poverty level	Ref	-	-
At or near poverty level	1.11	(0.78, 1.57)	0.560
≥ twice poverty level	1.30	(0.92, 1.85)	0.135
Education			
Less than high school	Ref	_	_
High school or equivalent	0.91	(0.59, 1.41)	0.665
Some college	0.99	(0.66, 1.50)	0.974
Bachelor's/advanced degree	0.92	(0.53, 1.60)	0.768
Lived in a smoking household as a child			
No	Ref	_	_
Yes	0.81	(0.57, 1.14)	0.224
Currently lives with a cigarette smoker		, , ,	
No	Ref	-	_
Yes	0.96	(0.71, 1.30)	0.789
Frequency of cigarette use at Wave 1		· / /	

Some day cigarette smoker	Ref	-	-
Every day cigarette smoker	0.27	(0.19, 0.37)	< 0.001
Intensity of cigarette smoking at Wave 1			
<1 pack per day	Ref	-	-
1-2 packs per day	0.88	(0.61, 1.27)	0.501
≥ 2 packs per day	0.90	(0.32, 2.53)	0.840
Time to first cigarette in morning			
≤ 5 minutes	Ref	-	-
5-30 minutes	1.24	(0.84, 1.85)	0.277
30-60 minutes	1.79	(0.66, 4.91)	0.252
> 60 minutes	1.82	(1.18, 2.81)	0.007
Tried to quit smoking cigarettes in year prior to Wave 1			
No	Ref	-	-
Yes	1.26	(1.00, 1.58)	0.047
Type and frequency of e-cigarette use at Wave 2			
No e-cigarette use	Ref	-	-
Experimental/some day use of non-tank e-cig	0.34	(0.14, 0.83)	0.019
Experimental/some day use of tank e-cig	0.77	(0.33, 1.79)	0.544
Every day use of non-tank e-cig	3.56	(1.04, 12.20)	0.043
Every day use of tank e-cig	10.24	(5.42, 19.37)	< 0.001

Table S8. Linear regression: E-cigarette initiation and change in smoking intensity between Wave 1 and Wave 2, PATH (2013-2015) (n=4,673)

	Difference in average cig/day		
	Coef.	95% CI	p-value
Sex			
Male	Ref	-	-
Female	0.19	(-0.28, 0.67)	0.423
Age			
25 to 34 years	Ref	-	-
35 to 44 years	0.18	(-0.44, 0.79)	0.567
45 to 54 years	0.28	(-0.25, 0.80)	0.299
55 to 64 years	0.11	(-0.57, 0.79)	0.747
65 to 74 years	1.21	(0.16, 2.26)	0.024
\geq 75 years	-0.12	(-1.31, 1.07)	0.842
Race/Ethnicity			
Non-Hispanic White	Ref	-	-
Non-Hispanic Black	-1.94	(-2.72, -1.17)	< 0.001
Hispanic	-0.80	(-1.55, -0.05)	0.037
Non-Hispanic Other	-0.16	(-1.20, 0.89)	0.769
Region			
Northeast	Ref	-	-
Midwest	-0.13	(-0.74, 0.47)	0.665
South	-0.11	(-0.82, 0.60)	0.766
West	-0.60	(-1.25, 0.05)	0.070
Household Income			
Below poverty level	Ref	-	-
At or near poverty level	0.11	(-0.50, 0.71)	0.724
≥ twice poverty level	-0.02	(-0.65, 0.61)	0.949
Education			
Less than high school	Ref	-	-
High school or equivalent	-0.05	(-0.67, 0.57)	0.871
Some college	-0.21	(-0.89, 0.48)	0.556
Bachelor's/advanced degree	-0.27	(-1.07, 0.52)	0.497
Lived in a smoking household as a child			
No	Ref	-	-
Yes	0.41	(-0.07, 0.89)	0.093
Currently lives with a cigarette smoker			
No	Ref	-	-
Yes	-0.21	(-0.66, 0.24)	0.360
Frequency of cigarette use at Wave 1			
Some day cigarette smoker	Ref	-	-

Every day cigarette smoker	-1.69	(-2.31, -1.08)	< 0.001
Intensity of cigarette smoking at Wave 1			
<1 pack per day	Ref	-	-
1-2 packs per day	-3.48	(-4.03, -2.92)	< 0.001
≥ 2 packs per day	-11.56	(-14.03, -9.09)	< 0.001
Time to first cigarette in morning			
≤ 5 minutes	Ref	-	-
5-30 minutes	-0.61	(-1.29, 0.07)	0.077
30-60 minutes	-0.49	(-2.04, 1.07)	0.538
> 60 minutes	-1.25	(-2.04, -0.46)	0.002
Tried to quit smoking cigarettes in year			
prior to Wave 1			
No	Ref	-	-
Yes	-0.54	(-0.96, -0.11)	0.015
New e-cigarette use at Wave 2			
Non-user	Ref	-	-
Experimenter	0.07	(-0.97, 1.11)	0.892
Some day user	0.19	(-0.87, 1.25)	0.721
Every day user	-5.60	(-7.68, -3.52)	< 0.001