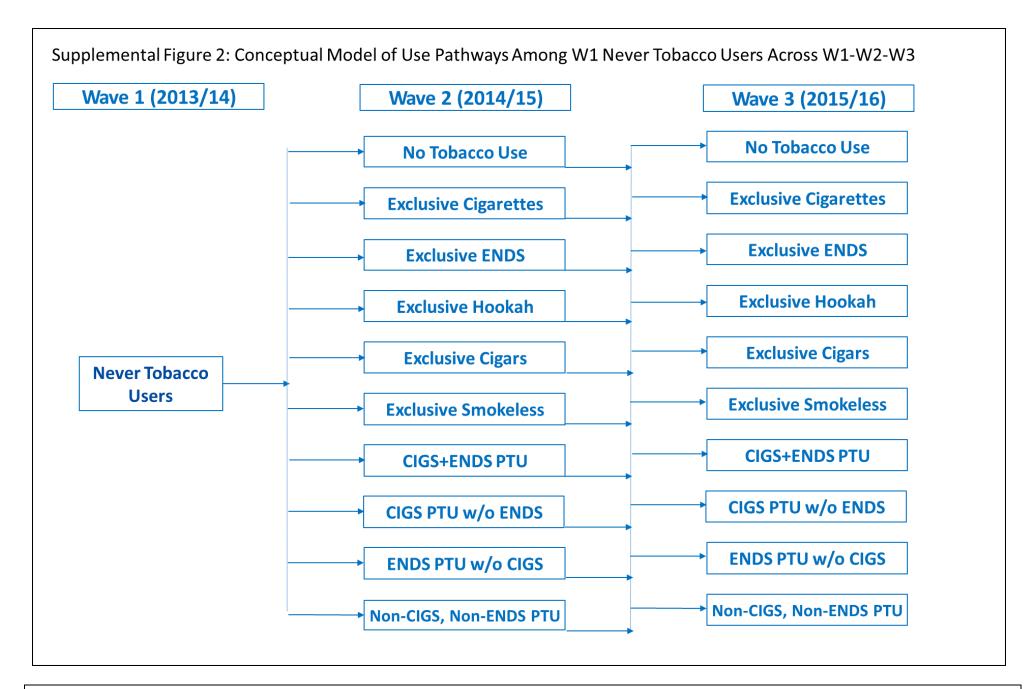


Supplemental Figure 1 shows the full Wave 1 sample respondents who have data at Waves 1, 2, and 3. There are 2,605 Wave 1 youth (ages 12-17) and 8,650 Wave 1 adult (ages 18 and older) respondents excluded at W2 and W3 because they do not have data at all three waves. The figure illustrates Wave 1 youth and young adults (ages 18-24) who aged up at Wave 2 and Wave 2 youth and young adults who aged up at Wave 3. The boxes at each wave show the total sample size for each age group at each wave.



Abbreviations: W1 = Wave 1; W2 = Wave 2; W3 = Wave 3; CIGS = cigarettes; + = and; ENDS* = electronic nicotine delivery system; PTU = polytobacco use; w/o = without

- 1) No tobacco: Defined as no use of any tobacco products within the past 30 days.
- 2) Exclusive cigarettes: Defined as use of only cigarettes in the past 30 days.
- 3) Exclusive ENDS: Defined as use of only ENDS in the past 30 days.
- 4) Exclusive cigars: Defined as use of only traditional cigars, filtered cigars, and/or cigarillos in the past 30 days.
- 5) Exclusive hookah: Defined as use of only hookah in the past 30 days.
- 6) Exclusive smokeless: Defined as use of only smokeless tobacco and/or snus pouches in the past 30 days.
- 7) CIGS+ENDS PTU: Defined as use of only both cigarettes and ENDS in the past 30 days.
- 8) CIGS PTU w/o ENDS: Defined as use of cigarettes and any other tobacco product(s) except for ENDS in the past 30 days.
- 9) ENDS PTU w/o CIGS: Defined as use of ENDS and any other tobacco product(s) except for cigarettes in the past 30 days.
- 10) Non-CIGS, Non-ENDS PTU: Defined as use of two or more tobacco products, excluding cigarettes and ENDS in the past 30 days.
- *Respondents were asked about "e-cigarettes" at W1 and "e-products" (i.e., e-cigarettes, e-cigars, e-pipes, and e-hookah) at W2 and W3.

				You	th		1	Young Adult			Adults 25+			
D	WA (2014 2015)	W2 (2015 2017)	Unweighted	Weighted Weighted	Weighted	050/ CT	Unweighted	Weighted		050/ CT	Unweighted	Weighted	Weighted	050/ CT
Row	<u>W2 (2014-2015)</u>	<u>W3 (2015-2016)</u>	<u>N</u>	<u>N</u>	<u>%</u>	95% CI	<u>N</u>	<u>N</u>	Weighted %	95% CI	<u>N</u>	<u>N</u>	<u>%</u>	95% CI
2	Never tobacco Never tobacco	Never tobacco Exclusive CIGS	6,245	13,830,877 99,281	89.5 0.6	(88.7-90.4)	995 8	7,630,859 52,435	86.9 0.6 [†]	(84.3-89.2)	1,955 12	48,675,654 377,775	97.3 0.8 [†]	(96.3-98.0) (0.4-1.6)
3	Never tobacco	Exclusive ENDS	115	268,161	1.7	(1.4-2.1)	13	93,438	1.1†	(0.5-2.1)	3	50,849	0.8	(0.4-1.0)
4	Never tobacco	Exclusive Hookah	30	64,402	0.4	(0.3-0.6)	18	135,837	1.5	(0.9-2.6)	2	62,733	0.1†	(0.0-0.5)
5	Never tobacco	Exclusive Cigars	24	54,173	0.4	(0.2-0.6)	8	49,912	0.6^{\dagger}	(0.3-1.2)	1	21,217	0.0^{\dagger}	(0.0-0.3)
6	Never tobacco	Exclusive smokeless	13	29,402	0.2	(0.1-0.3)	1	10,485	0.1†	(0.0-0.9)	2	50,093	0.1†	(0.0-0.4)
7	Never tobacco	CIGS+ENDS PTU	35	78,210	0.5	(0.4-0.7)	3	23,281	0.3†	(0.1-0.9)	2	70,073	0.1†	(0.0-0.7)
8	Never tobacco Never tobacco	CIGS PTU w/o ENDS ENDS PTU w/o CIGS	24 32	51,864 72,473	0.3	(0.2-0.5) (0.3-0.7)	3	14,519 30,536	0.2 [†] 0.3 [†]	(0.0-0.6) (0.1-1.0)	- 1	12,443	0.0†	(0.0-0.2)
10	Never tobacco	Non-CIGS, Non-ENDS PTU	5	8,906	0.3 0.1 [†]	(0.0-0.1)	1	5,503	0.1†	(0.1-1.0)	<u> </u>	12,443	-	(0.0-0.2)
11	Exclusive CIGS	No tobacco	28	53,343	0.3	(0.2-0.5)	8	42,448	0.5†	(0.2-1.1)	7	146,299	0.3 [†]	(0.1-0.6)
12	Exclusive CIGS	Exclusive CIGS	11	24,428	0.2	(0.1-0.3)	5	29,320	0.3†	(0.1-1.0)	4	108,544	0.2†	(0.1-0.7)
13	Exclusive CIGS	Exclusive ENDS	3	7,208	0.0^{\dagger}	(0.0-0.1)	1	7,740	0.1†	(0.0-0.7)	-	-	-	-
14	Exclusive CIGS	Exclusive Hookah	-	-	-	-	-	-	-	-	-	-	-	-
15	Exclusive CIGS	Exclusive Cigars	2	3,677	0.0^{\dagger}	(0.0-0.1)	1	3,180	0.0†	(0.0-0.3)	-	-	-	-
16	Exclusive CIGS	Exclusive smokeless	-	- 25,000	- 0.2	(0.1.0.2)	-	15 202	- 0.2 [†]	- (0,0,0,7)	-	-	-	-
17 18	Exclusive CIGS Exclusive CIGS	CIGS+ENDS PTU CIGS PTU w/o ENDS	7	25,089 18,508	0.2 0.1 [†]	(0.1-0.3)	2	15,303 8,666	0.2 [†] 0.1 [†]	(0.0-0.7)	- -	_	-	-
19	Exclusive CIGS Exclusive CIGS	ENDS PTU w/o CIGS	-	-	-	(0.1-0.3)	-	-	-	(0.0-0.7)	<u>-</u>	_	-	-
20	Exclusive CIGS	Non-CIGS, Non-ENDS PTU	-	-	-	-	-	-	-	-	-	-	-	-
21	Exclusive ENDS	No tobacco	64	146,973	1.0	(0.7-1.3)	11	92,281	1.1†	(0.5-2.1)	-	-	-	-
22	Exclusive ENDS	Exclusive CIGS	1	2,370	0.0^{\dagger}	(0.0-0.1)	-	-	-	-	-	-	-	-
23	Exclusive ENDS	Exclusive ENDS	20	48,948	0.3	(0.2-0.5)	1	8,769	0.1^{\dagger}	(0.0-0.8)	1	16,096	0.0^{\dagger}	(0.0-0.2)
24	Exclusive ENDS	Exclusive Hookah	3	6,921	0.0†	(0.0-0.2)	-	-	-	-	-	-	-	-
25	Exclusive ENDS	Exclusive Cigars	1	1,882	0.0 [†] 0.0 [†]	(0.0-0.1)	-	-	-	-	-	-	-	-
26 27	Exclusive ENDS Exclusive ENDS	Exclusive smokeless CIGS+ENDS PTU	8	2,158 23,229	0.0	(0.0-0.1) (0.1-0.3)	-	-	-	-	-	-	-	<u>-</u>
28	Exclusive ENDS Exclusive ENDS	CIGS PTU w/o ENDS	2	4,273	0.0†	(0.0-0.1)	-	-	<u> </u>	-	-	-	-	-
29	Exclusive ENDS	ENDS PTU w/o CIGS	5	12,240	0.1†	(0.0-0.2)	-	-	-	-	-	-	-	-
30	Exclusive ENDS	Non-CIGS, Non-ENDS PTU	-	-	-	-	-	-	-	-	-	-	-	-
31	Exclusive Hookah	No tobacco	18	43,520	0.3	(0.2-0.5)	8	42,490	0.5^{\dagger}	(0.2-1.2)	5	140,987	0.3†	(0.1-0.7)
32	Exclusive Hookah	Exclusive CIGS	3	5,580	0.0†	(0.0-0.1)	1	8,652	0.1†	(0.0-0.7)	1	18,418	0.0^{\dagger}	(0.0-0.3)
33	Exclusive Hookah	Exclusive ENDS	3	8,614	0.1†	(0.0-0.2)	1	3,333	0.0†	(0.0-0.3)	-	-	- 0.0†	(0.0.0.0)
34	Exclusive Hookah Exclusive Hookah	Exclusive Hookah Exclusive Cigars	8	21,023	0.1 [†] 0.0 [†]	(0.1-0.3)	5	20,912	0.2†	(0.1-0.6)	2	20,050	0.0†	(0.0-0.2)
36	Exclusive Hookah Exclusive Hookah	Exclusive Cigars Exclusive smokeless	<u> </u>	4,925	0.01	(0.0-0.3)	- 1	4,893	- 0.1 [†]	(0.0-0.4)	- -	-	-	-
37	Exclusive Hookah	CIGS+ENDS PTU	2	3,247	0.0†	(0.0-0.1)	-	- 4,693	-	-	-	-	-	-
38	Exclusive Hookah	CIGS PTU w/o ENDS	2	3,540	0.0^{\dagger}	(0.0-0.1)	-	-	-	-	-	-	-	-
39	Exclusive Hookah	ENDS PTU w/o CIGS	5	11,578	0.1†	(0.0-0.2)	1	10,829	0.1^{\dagger}	(0.0-1.0)	-	-	-	-
40	Exclusive Hookah	Non-CIGS, Non-ENDS PTU	-	-	-	-	-	-	-	-	-	-	-	-
41	Exclusive Cigars	No tobacco	26	69,432	0.4	(0.3-0.7)	16	127,619	1.5	(0.8-2.5)	3	93,047	0.2	(0.1-0.3)
42	Exclusive Cigars	Exclusive CIGS	2	3,877	0.0†	(0.0-0.1)	1	12,043	0.1†	(0.0-1.0)	<u>-</u>	-	-	-
43	Exclusive Cigars Exclusive Cigars	Exclusive ENDS Exclusive Hookah	<u>6</u> 1	17,923 3,333	0.1 [†] 0.0 [†]	(0.1-0.3) (0.0-0.2)	2	10,275	0.1 [†]	(0.0-0.5)	- 	-	-	-
45	Exclusive Cigars	Exclusive Cigars	9	25,467	0.2†	(0.1-0.3)	2	19,556	0.2†	(0.1-1.0)	-	-	-	_
46	Exclusive Cigars	Exclusive smokeless	-	-	-	-	-	-	-	-	-	-	-	-
47	Exclusive Cigars	CIGS+ENDS PTU	2	5,378	0.0^{\dagger}	(0.0-0.2)	2	17,280	0.2^{\dagger}	(0.0-0.9)	-	-	-	-
48	Exclusive Cigars	CIGS PTU w/o ENDS	1	3,321	0.0†	(0.0-0.2)	-	-	-	-	1	22,402	0.0^{\dagger}	(0.0-0.3)
49	Exclusive Cigars	ENDS PTU w/o CIGS	4	9,529	0.1†	(0.0-0.2)	-	-	-	-	-	-	-	-
50	Exclusive Cigars	Non-CIGS, Non-ENDS PTU	3	6,722	0.0^{\dagger}	(0.0-0.1)	-	-	-	-	-	-	-	-
51	Exclusive smokeless	No tobacco	4	14,762	0.1†	(0.0-0.2)	-	-	-	-	<u>-</u>	-	-	-
52 53	Exclusive smokeless Exclusive smokeless	Exclusive CIGS Exclusive ENDS	1	1,878 2,221	0.0^{\dagger} 0.0^{\dagger}	(0.0-0.1)	-	-	<u>-</u>	_	- -	-	-	-
54	Exclusive smokeless	Exclusive Hookah	-	-	-	(0.0-0.1)	<u>-</u>	-	<u>-</u>	-	- 	_	-	-
55	Exclusive smokeless	Exclusive Cigars	-	-	-	-	-	-	-	-	-	-	-	-
56	Exclusive smokeless	Exclusive smokeless	7	15,967	0.1†	(0.1-0.2)	2	21,630	0.2†	(0.1-1.0)	2	40,400	0.1†	(0.0-0.4)
57	Exclusive smokeless	CIGS+ENDS PTU	1	4,484	0.0^{\dagger}	(0.0-0.2)	-	-	-	-	-	-	-	-
58	Exclusive smokeless	CIGS PTU w/o ENDS	1	1,472	0.0^{\dagger}	(0.0-0.1)	-	-	-	-	-	-	-	-
59	Exclusive smokeless	ENDS PTU w/o CIGS	- 2	4 770	- 0.0 [†]	(0,0,0,1)	-	-	-	-	-	-	-	-
60	Exclusive smokeless CIGS+ENDS PTU	Non-CIGS, Non-ENDS PTU No tobacco	2	4,772 23,050	0.0	(0.0-0.1)	3	16 106	- 0.2 [†]	(0,0,0,0)	-	-	-	-
62	CIGS+ENDS PTU	Exclusive CIGS	11 7	15,447	0.1 0.1 [†]	(0.1-0.2)	1	16,196 11,275	0.1†	(0.0-0.8) (0.0-1.0)	<u>-</u>	_	-	_
63	CIGS+ENDS PTU	Exclusive ENDS	1	3,360	0.0^{\dagger}	(0.0-0.2)	2	18,771	0.2†	(0.0-0.9)	-	-	-	-
64	CIGS+ENDS PTU	Exclusive Hookah	-	-	-	-	-	-	-	-	-	-	-	-
65	CIGS+ENDS PTU	Exclusive Cigars	-	-	-	-	-	-	-	-	-	-	-	-
66	CIGS+ENDS PTU	Exclusive smokeless	2	5,640	0.0†	(0.0-0.1)	-	15.052	- 0.2 [†]	- (0,0,0,0)	-	-	-	-
67 68	CIGS+ENDS PTU CIGS+ENDS PTU	CIGS+ENDS PTU CIGS PTU w/o ENDS	12	26,231 3,018	0.2 0.0 [†]	(0.1-0.3) (0.0-0.2)	3	15,953 16,509	0.2 [†] 0.2 [†]	(0.0-0.9) (0.1-0.6)	-	-	-	-
69	CIGS+ENDS PTU	ENDS PTU w/o CIGS	2	3,997	0.0^{\dagger}	(0.0-0.2)	-	10,309	-	(0.1-0.6)	-	-	-	-
70	CIGS+ENDS PTU	Non-CIGS, Non-ENDS PTU	-	-	-	-	-	-	-	-	-	-	-	_
71	CIGS PTU w/o ENDS	No tobacco	4	7,864	0.1^{\dagger}	(0.0-0.1)	2	9,811	0.1†	(0.0-0.5)	2	58,593	0.1†	(0.0-0.5)
72	CIGS PTU w/o ENDS	Exclusive CIGS	4	7,755	0.1†	(0.0-0.2)	1	5,217	0.1†	(0.0-0.5)	-	-	-	-
73	CIGS PTU w/o ENDS	Exclusive ENDS	2	4,153	0.0^{\dagger}	(0.0-0.1)	1	5,062	0.1†	(0.0-0.4)	-	-	-	-
74 75	CIGS PTU w/o ENDS	Exclusive Hookah	-	-	-	-	3	14,783	0.2 [†]	(0.1-0.5)	-	-	-	-
75 76	CIGS PTU w/o ENDS CIGS PTU w/o ENDS	Exclusive Cigars Exclusive smokeless	1	948	- 0.0 [†]	(0.0-0.0)	<u>1</u>	24,660	0.3 [†]	(0.0-2.1)	<u>-</u> 1	20,514	0.0†	(0.0-0.2)
77	CIGS PTU w/o ENDS	CIGS+ENDS PTU	6	13,815	0.0	(0.0-0.0)	1	3,038	0.0†	(0.0-0.3)	-	-	-	-
78	CIGS PTU w/o ENDS	CIGS PTU w/o ENDS	3	7,014	0.0^{\dagger}	(0.0-0.1)	3	14,819	0.2†	(0.1-0.5)	1	30,611	0.1†	(0.0-0.5)
79	CIGS PTU w/o ENDS	ENDS PTU w/o CIGS	4	9,474	0.1^{\dagger}	(0.0-0.2)	1	8,734	0.1^{\dagger}	(0.0-0.7)	-	-	-	-
80	CIGS PTU w/o ENDS	Non-CIGS, Non-ENDS PTU	-	-	-	-	-	-	-	-	-	-	-	-
81	ENDS PTU w/o CIGS	No tobacco	3	7,172	0.0†	(0.0-0.2)	2	12,675	0.1†	(0.0-0.6)	-	-	-	-
82	ENDS PTU w/o CIGS	Exclusive CIGS	1	2,221	0.0†	(0.0-0.1)	1	12,331	0.1†	(0.0-1.0)	-	-	-	-
83 84	ENDS PTU w/o CIGS ENDS PTU w/o CIGS	Exclusive ENDS Exclusive Hookah	8	18,497 1,789	$\frac{0.1^{\dagger}}{0.0^{\dagger}}$	(0.1-0.2) (0.0-0.1)	-	-	-	-	<u>-</u>	-	-	-
85	ENDS PTU w/o CIGS ENDS PTU w/o CIGS	Exclusive Hookan Exclusive Cigars	-	- 1,709	- -	-	<u>-</u> -	-	- -	-	- -	-	-	-
86	ENDS PTU w/o CIGS	Exclusive smokeless	2	5,804	0.0†	(0.0-0.2)	-	-	-	-	-	-	-	-
87	ENDS PTU w/o CIGS	CIGS+ENDS PTU	6	14,920	0.1†	(0.0-0.2)	-	-	-	-	-	-	-	-
88	ENDS PTU w/o CIGS	CIGS PTU w/o ENDS	1	1,362	0.0†	(0.0-0.1)	-	-	-	-	-	-	-	-
89	ENDS PTU w/o CIGS	ENDS PTU w/o CIGS	2	2,360	0.0^{\dagger}	(0.0-0.1)	1	5,777	0.1†	(0.0-0.5)	-	-	-	-
90	ENDS PTU w/o CIGS	Non-CIGS, Non-ENDS PTU	-	-		-	-	-	-	-	-	-	-	-
91	Non-CIGS, Non-ENDS PTU	No tobacco	6	12,207	0.1†	(0.0-0.2)	- 1	- (242	- 0.1*	- (0,0,0,5)	-	-	-	-
92	Non-CIGS, Non-ENDS PTU Non-CIGS, Non-ENDS PTU	Exclusive CIGS Exclusive ENDS	-	-	-	-	1	6,343	0.1†	(0.0-0.5)	<u>-</u>	-	-	-
93 94	Non-CIGS, Non-ENDS PTU Non-CIGS, Non-ENDS PTU	Exclusive ENDS Exclusive Hookah	-	-	-	<u>-</u>	<u>-</u>	-	<u>-</u>		- -	-	-	-
95	Non-CIGS, Non-ENDS PTU	Exclusive Cigars	2	4,290	0.0†	(0.0-0.1)	<u>-</u> -	-	- -	-	<u>-</u> -	-	-	-
96	Non-CIGS, Non-ENDS PTU	Exclusive smokeless	2	3,936	0.0^{\dagger}	(0.0-0.1)	-	-	-	-	-	-	-	-
97	Non-CIGS, Non-ENDS PTU	CIGS+ENDS PTU	2	4,162	0.0^{\dagger}	(0.0-0.1)	1	9,613	0.1^{\dagger}	(0.0-1.0)	-	-	-	-
98	Non-CIGS, Non-ENDS PTU	CIGS PTU w/o ENDS	- 2	-	- 0.0*	- (0.0.0	-	- 12.024	- 0.1*	- (0.0.0.0)	-	-	-	-
99	Non-CIGS, Non-ENDS PTU	ENDS PTU w/o CIGS	2	2,880	0.0^{\dagger}	(0.0-0.1)	2	12,034	0.1†	(0.0-0.6)	<u>-</u>	-	-	-
100	Non-CIGS, Non-ENDS PTU	Non-CIGS, Non-ENDS PTU	-	-	-	-	-	-	-	-	-	-	-	-

Abbreviations: P30D = past 30-day; W2 = Wave 2; W3 = Wave 3; W1 = Wave 1; CI = confidence interval; CIGS = cigarettes; ENDS* = electronic nicotine delivery system; + = and; PTU = polytobacco use; w/o = without; - = not applicable because of zero cases

Analysis included youth (ages 12-17), young adult (ages 18-24), and adult 25+ (ages 25 and older) W1 never tobacco users with data at all three waves. Respondent age was calculated based on age at W1. W3 longitudinal (all-waves) weights were used to calculate estimates at all waves.

For transitions between waves:

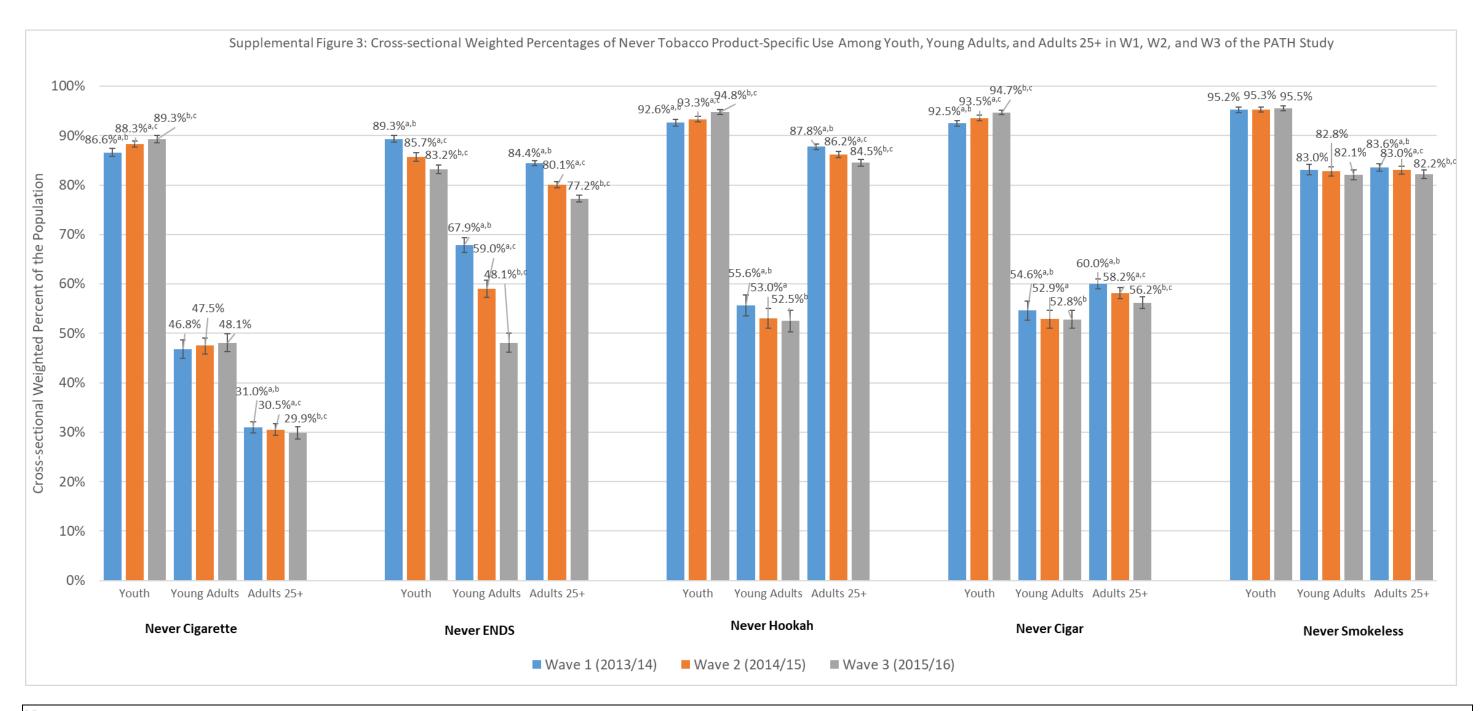
- 1) Never tobacco: Defined as no use of any tobacco products in the past 12 months, even once or twice, if a never user in the prior wave.
- 2) No tobacco: Defined as no use of any tobacco products within the past 30 days.
- 3) Exclusive CIGS: Defined as use of only cigarettes in the past 30 days.
- 4) Exclusive ENDS: Defined as use of only ENDS in the past 30 days.
- 5) Exclusive cigars: Defined as use of only traditional cigars, filtered cigars, and/or cigarillos in the past 30 days.
- 6) Exclusive hookah: Defined as use of only hookah in the past 30 days.
- 7) Exclusive smokeless: Defined as use of only smokeless tobacco and/or snus pouches in the past 30 days.
- 8) CIGS+ENDS PTU: Defined as use of only both cigarettes and ENDS in the past 30 days.
- 9) CIGS PTU w/o ENDS: Defined as use of cigarettes and any other tobacco product(s) except for ENDS in the past 30 days.
- 10) ENDS PTU w/o CIGS: Defined as use of ENDS and any other tobacco product(s) except for cigarettes in the past 30 days.
- 11) Non-CIGS, Non-ENDS PTU: Defined as use of two or more tobacco products, excluding cigarettes and ENDS in the past 30 days.

The logit-transformation method was used to calculate confidence intervals.

† Estimate should be interpreted with caution because it has low statistical precision. It is based on a denominator sample size of less than 50, or the coefficient of variation of the estimate or its complement is larger than 30%.

Analyses were run on the W1, W2, and W3 Public Use Files (https://doi.org/10.3886/ICPSR36498.v8).

^{*}Respondents were asked about "e-cigarettes" at W1 and "e-products" (i.e., e-cigarettes, e-cigars, e-pipes, and e-hookah) at W2 and W3.



Abbreviations: W1 = Wave 1; W2 = Wave 2; W3 = Wave 3; PATH = Population Assessment of Tobacco and Health; ENDS* = electronic nicotine delivery system

W1/W2/W3 Never cigarette use unweighted Ns: youth (ages 12-17) = 11,792/10,720/10,371; young adults (ages 18-24) = 3,144/3,319/3,713; adults 25+ (ages 25 and older) = 3,967/3,387/3,278

W1/W2/W3 Never ENDS use unweighted Ns: youth = 12,156/10,398/9,630; young adults = 5,209/4,185/3,534; adults 25+ = 15,515/12,042/10,662

W1/W2/W3 Never hookah use unweighted Ns: youth = 12,617/11,334/10,953; young adults = 4,046/3,796/4,109; adults 25+ = 17,597/14,719/13,455

W1/W2/W3 Never cigar use unweighted Ns: youth = 12,273/11,085/10,704; young adults = 3,902/3,764/4,071; adults 25+=10,231/8,428/7,693

W1/W2/W3 Never smokeless use unweighted Ns: youth = 12,867/11,361/10,837; young adults = 7,141/6,515/6,509; adults 25+ = 17,733/15,277/14,374

X-axis shows five categories of never use (cigarette, ENDS, hookah, cigars, and smokeless) for three age groups: youth, young adults, and adults 25+. Y-axis shows weighted percentages of W1, W2, and W3 never users in these three age groups. Sample analyzed includes all W1, W2, and W3 respondents at each wave. The PATH Study cross-sectional (W1) or single-wave weights (W2 and W3) were used to calculate estimates at each wave. All respondents with data at one wave are included in the sample for that wave's estimate and do not need to have complete data at all three waves. Never tobacco use is defined as not having used any tobacco, even once or twice in lifetime.

adenotes significant difference at p<0.0167 (Bonferroni corrected for three comparisons) between W1 and W2 bdenotes significant difference at <0.0167 (Bonferroni corrected for three comparisons) between W1 and W3 cdenotes significant difference at <0.0167 (Bonferroni corrected for three comparisons) between W2 and W3

*Respondents were asked about "e-cigarettes" at W1 and "e-products" (i.e., e-cigarettes, e-cigars, e-pipes, and e-hookah) at W2 and W3.

The logit-transformation method was used to calculate the 95% confidence intervals.

Analyses were run on the W1, W2, and W3 Public Use Files (https://doi.org/10.3886/ICPSR36498.v8).