

Supplemental Table 1. Comparison of TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) methodology and current product use definitions

	Tobacco Use Supplement to the Current Population Survey (TUS-CPS): 2014-2015	National Health Interview Survey (NHIS): 2015	Population Assessment of Tobacco & Health (PATH): Wave 3; 2015-2016
Sample size	163,073	33,672	28,148
Response rate (formula)	54.2% (percentage of self-respondents of all eligible survey sample)	Conditional response rate for the Sample Adult component: 79.7%, (calculated by dividing the number of completed Sample Adult interviews (33,672) by the total number of eligible sample adults (42,270)); Unconditional or final response rate for the Sample Adult component: 55.2% (calculated by multiplying the conditional rate of 79.7% by the final family response rate 69.3%)	78.4% (ratio of number of completed cases to number of cases eligible for Wave 3 interview among Wave 1 participants)
Sampling frame	National two-stage sampling design of civilian, noninstitutionalized U.S. population (supplement to the Current Population Survey)	National multistage, stratified, clustered sampling of civilian, noninstitutionalized U.S. population; Oversampled African American/Black, Hispanic, and Asian persons	National four-stage stratified area probability design of civilian, noninstitutionalized U.S. population; Oversampled tobacco users, young adults (aged 18-24), and African American/Black adults
Data collection method	Computer Assisted Telephone Interviewing (CATI) or Computer Assisted Personal Interviewing (CAPI)	Computer Assisted Personal Interviewing (CAPI) or Telephone Interviewing	Audio Computer-Assisted Self-Interviewing (ACASI)
Current product use definitions			
Cigarettes	Smoked \geq 100 cigarettes in lifetime and now smoke cigarettes every day or some days		
ENDS	Now use an e-cigarette every day or some days [section includes the following language: The next question is about electronic or e-cigarettes. You may also know them as vape-pens, hookah-pens, e-hookahs, or e-vaporizers. Some look like cigarettes, and others look like pens or small pipes. These are battery-powered, usually contain liquid nicotine, and produce vapor instead of smoke.]	Now use electronic nicotine product [e-cigarettes, e-cigars, e-pipes, e-hookahs, something else] every day or some days	

Traditional cigars	Now smoke a regular cigar, cigarillo, or little filtered cigar every day or some days		Now smoke traditional cigars every day or some days
Cigarillos			Now smoke cigarillos (with or without a tip) every day or some days
Filtered cigars			Now smoke filtered cigars every day or some days
Tobacco pipe	Now smoke a regular pipe filled with tobacco every day or some days	Now smoke a regular pipe, water pipe, or hookah every day or some days	Now smoke a pipe filled with tobacco every day or some days
Hookah	Now used a water pipe or hookah pipe filled with tobacco every day or some days		Now smoke hookah every day or some days
Smokeless tobacco (chew, dip, spit)	Now use smokeless tobacco such as moist snuff, dip, spit, chew tobacco, or snus every day or some days	Now use smokeless tobacco products every day or some days [section includes the following language: Smokeless tobacco products are placed in the mouth or nose and can include chewing tobacco, snuff, dip, snus (SNOOSE), or dissolvable tobacco.]	Now use smokeless tobacco every day or some days [section includes the following language: The next questions ask about other types of smokeless tobacco products which you put in your mouth and chew, suck or spit. There are many types of smokeless tobacco products such as loose snus, moist snuff, dip, spit, and chewing tobacco. Common brands include Redman, Levi Garrett, Beechnut, Skoal, Grizzly, Copenhagen, and Kodiak, but there are many others.]
Snus			Now use snus pouches every day or some days
Dissolvable tobacco			Now use dissolvable tobacco every day or some days
Other combustible category	Used any of the following products according to the definitions listed above: Traditional cigars, cigarillos, filtered cigars, tobacco pipe, hookah		

Smokeless category	Used any of the following products according to the definitions listed above: moist snuff, dip, spit, chew, snus, dissolvable tobacco	Used any of the following products according to the definitions listed above: chew, snuff, dip, snus, dissolvable tobacco	Used any of the following products according to the definitions listed above: loose snus, moist snuff, dip, spit, chew, snus pouches
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Supplemental Table 2. Proportion of exclusive, dual, and polytobacco use among tobacco users: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016)

	TUS-CPS (2014-2015) n = 27,488				NHIS (2015) n = 6,575				PATH (2015-2016) n = 12,377			
	n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB
Exclusive use	23,119	83.3	82.9	83.7	5,271	80.5	79.1	81.8	8,906	74.5	73.7	75.4
Cigarettes	17,740	63.1	62.6	63.5	3,897	55.9	54.0	57.7	6,089	50.2	49.0	51.4
ENDS	1,014	3.9	3.7	4.1	317	6.2	5.5	7.0	726	5.6	5.1	6.2
Other combustibles	2,352	9.6	9.2	9.9	635	11.5	10.3	12.7	1,416	12.2	11.4	13.1
Smokeless	2,013	6.7	6.5	7.0	422	6.9	6.0	8.0	675	6.5	5.8	7.2
Dual use	3,937	14.9	14.6	15.3	1,147	16.9	15.7	18.2	2,715	20.3	19.5	21.1
Cigarettes + ENDS	2,142	7.7	7.4	8.0	543	8.0	7.1	8.9	904	7.2	6.6	7.8
Cigarettes + other combustibles	1,093	4.5	4.3	4.8	388	5.4	4.7	6.1	1,049	7.7	7.2	8.3
Cigarettes + smokeless	377	1.3	1.2	1.4	110	1.8	1.4	2.4	233	1.9	1.7	2.2
ENDS + other combustibles	122	0.6	0.5	0.7	31	0.6	0.4	0.9	366	2.3	2.0	2.6
ENDS + smokeless	41	0.2	0.1	0.2	12	0.2	0.1	0.4	35	0.2	0.2	0.4
Other combustibles + smokeless	162	0.6	0.6	0.7	63	1.0	0.7	1.5	128	1.0	0.8	1.2
Poly use	432	1.8	1.7	2.0	157	2.6	2.1	3.3	756	5.2	4.8	5.6
Cigarettes + ENDS + other combustibles	229	1.0	0.9	1.1	89	1.5	1.1	2.0	416	2.8	2.5	3.2
Cigarettes + ENDS + smokeless	71	0.3	0.2	0.4	20	0.3	0.2	0.6	71	0.5	0.4	0.6
Cigarettes + other combustibles + smokeless	92	0.4	0.3	0.5	34	0.6	0.3	0.9	121	0.9	0.7	1.1
ENDS + other combustibles + smokeless	6	0.0	0.0	0.0	4	0.0	0.0	0.1	42	0.3	0.2	0.5
All four groups	34	0.2	0.1	0.2	10	0.2	0.1	0.6	106	0.7	0.6	0.9

n = unweighted sample size; % = weighted percentage

ENDS = Electronic Nicotine Delivery Systems

Supplemental Table 3a. Population prevalence of single, dual, and polytobacco use by sex: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016)

	TUS-CPS (2014-2015)							
	Men (n = 69,355)				Women (n = 85,712)			
	n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB
Non-user	53,862	78.4	78.1	78.6	73,717	86.8	86.6	87.0
Exclusive use	12,819	17.8	17.5	18.0	10,300	11.3	11.1	11.4
Cigarettes	8,410	11.7	11.6	11.9	9,330	10.1	9.9	10.3
ENDS	519	0.8	0.8	0.9	495	0.5	0.5	0.6
Other combustibles	1,979	2.9	2.8	3.0	373	0.5	0.5	0.6
Smokeless	1,911	2.3	2.2	2.4	102	0.1	0.1	0.1
Dual use	2,347	3.4	3.3	3.5	1,590	1.8	1.7	1.9
Cigarettes + ENDS	876	1.2	1.2	1.3	1,266	1.4	1.3	1.5
Cigarettes + other combustibles	831	1.3	1.2	1.3	262	0.3	0.3	0.4
Cigarettes + smokeless	354	0.4	0.4	0.5	23	0.0	0.0	0.0
ENDS + other combustibles	88	0.2	0.1	0.2	34	0.0	0.0	0.1
ENDS + smokeless	37	0.0	0.0	0.1	4	0.0	0.0	0.0
Other combustibles + smokeless	161	0.2	0.2	0.3	1	0.0	0.0	0.0
Poly use	327	0.5	0.5	0.6	105	0.1	0.1	0.2
Cigarettes + ENDS + other combustibles	141	0.2	0.2	0.3	88	0.1	0.1	0.1
Cigarettes + ENDS + smokeless	61	0.1	0.1	0.1	10	0.0	0.0	0.0
Cigarettes + other combustibles + smokeless	87	0.1	0.1	0.2	5	0.0	0.0	0.0
ENDS + other combustibles + smokeless	6	0.0	0.0	0.0	0	0.0		
All four groups	32	0.1	0.0	0.1	2	0.0	0.0	0.0

Supplemental Table 3a. Population prevalence of exclusive, dual, and polytobacco use by sex: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	NHIS (2015)							
	Men (n = 14,198)				Women (n = 17,482)			
	n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB
Non-user	10,431	74.4	73.2	75.4	14,674	84.6	83.9	85.3
Exclusive use	2,900	19.9	18.9	20.9	2,371	13.1	12.4	13.8
Cigarettes	1,814	11.5	10.8	12.3	2,083	11.2	10.6	11.9
ENDS	181	1.7	1.4	2.0	136	0.9	0.7	1.1
Other combustibles	510	3.9	3.5	4.4	125	0.8	0.7	1.1
Smokeless	395	2.8	2.4	3.2	27	0.1	0.1	0.2
Dual use	738	4.9	4.4	5.4	409	2.1	1.8	2.5
Cigarettes + ENDS	246	1.7	1.5	2.0	297	1.5	1.3	1.8
Cigarettes + other combustibles	299	1.7	1.5	2.0	89	0.5	0.4	0.7
Cigarettes + smokeless	100	0.7	0.5	1.0	10	0.0	0.0	0.1
ENDS + other combustibles	21	0.2	0.1	0.3	10	0.1	0.0	0.1
ENDS + smokeless	11	0.1	0.0	0.2	1	0.0	0.0	0.0
Other combustibles + smokeless	61	0.4	0.3	0.6	2	0.0	0.0	0.0
Poly use	129	0.9	0.7	1.1	28	0.2	0.1	0.3
Cigarettes + ENDS + other combustibles	65	0.5	0.3	0.6	24	0.1	0.1	0.3
Cigarettes + ENDS + smokeless	19	0.1	0.1	0.2	1	0.0	0.0	0.0
Cigarettes + other combustibles + smokeless	32	0.2	0.1	0.3	2	0.0	0.0	0.2
ENDS + other combustibles + smokeless	3	0.0	0.0	0.0	1	0.0	0.0	0.1
All four groups	10	0.1	0.0	0.2	0	0.0	0.0	0.0

Supplemental Table 3a. Population prevalence of exclusive, dual, and polytobacco use by sex: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	PATH (2015-2016)
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	Men (n = 13,741)				Women (n = 14,303)			
	n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB
Non-user	6,879	68.3	67.4	69.1	8,793	80.3	79.5	81.1
Exclusive use	4,716	22.8	22.1	23.5	4,185	15.4	14.7	16.1
Cigarettes	2,767	13.1	12.6	13.7	3,320	12.5	11.9	13.1
ENDS	373	1.6	1.4	1.8	352	1.3	1.1	1.5
Other combustibles	936	4.9	4.5	5.3	479	1.5	1.3	1.7
Smokeless	640	3.3	2.9	3.7	34	0.1	0.1	0.3
Dual use	1,616	6.9	6.5	7.3	1,099	3.6	3.3	3.8
Cigarettes + ENDS	374	1.7	1.5	2.0	530	1.9	1.7	2.1
Cigarettes + other combustibles	669	2.9	2.6	3.1	380	1.1	1.0	1.3
Cigarettes + smokeless	209	0.9	0.8	1.1	24	0.1	0.0	0.1
ENDS + other combustibles	206	0.8	0.6	0.9	160	0.4	0.4	0.5
ENDS + smokeless	34	0.1	0.1	0.2	1	0.0	0.0	0.0
Other combustibles + smokeless	124	0.5	0.4	0.6	4	0.0	0.0	0.0
Poly use	530	2.0	1.8	2.2	226	0.7	0.6	0.8
Cigarettes + ENDS + other combustibles	231	0.9	0.7	1.0	185	0.6	0.5	0.7
Cigarettes + ENDS + smokeless	61	0.2	0.2	0.3	10	0.0	0.0	0.1
Cigarettes + other combustibles + smokeless	109	0.4	0.3	0.5	12	0.0	0.0	0.1
ENDS + other combustibles + smokeless	40	0.1	0.1	0.3	2	0.0	0.0	0.0
All four groups	89	0.3	0.3	0.4	17	0.1	0.0	0.1

n = unweighted sample size; % = weighted percentage

ENDS = Electronic Nicotine Delivery Systems

Supplemental Table 3b. Proportion of exclusive, dual, and polytobacco use among tobacco users by sex: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016)

	TUS-CPS (2014-2015)					
	Men (n = 15,493)			Women (n = 11,995)		
	n	%	95% CI	n	%	95% CI

			LB	UB			LB	UB
Exclusive use	12,819	82.0	81.5	82.5	10,300	85.2	84.6	85.7
Cigarettes	8,410	54.2	53.5	54.8	9,330	76.5	75.9	77.1
ENDS	519	3.8	3.6	4.1	495	4.1	3.8	4.4
Other combustibles	1,979	13.3	12.8	13.8	373	3.9	3.5	4.2
Smokeless	1,911	10.7	10.3	11.2	102	0.7	0.6	0.8
Dual use	2,347	15.7	15.2	16.2	1,590	13.8	13.3	14.3
Cigarettes + ENDS	876	5.7	5.4	6.1	1,266	10.6	10.2	11.1
Cigarettes + other combustibles	831	5.9	5.5	6.2	262	2.6	2.3	2.8
Cigarettes + smokeless	354	2.0	1.8	2.2	23	0.2	0.1	0.3
ENDS + other combustibles	88	0.8	0.7	1.0	34	0.4	0.3	0.5
ENDS + smokeless	37	0.2	0.2	0.3	4	0.0	0.0	0.1
Other combustibles + smokeless	161	1.0	0.9	1.2	1	0.0	0.0	0.1
Poly use	327	2.3	2.1	2.6	105	1.0	0.9	1.2
Cigarettes + ENDS + other combustibles	141	1.0	0.9	1.2	88	0.9	0.7	1.1
Cigarettes + ENDS + smokeless	61	0.4	0.4	0.5	10	0.1	0.1	0.1
Cigarettes + other combustibles + smokeless	87	0.6	0.5	0.7	5	0.0	0.0	0.0
ENDS + other combustibles + smokeless	6	0.0	0.0	0.1	0	0.0		
All four groups	32	0.2	0.2	0.3	2	0.0	0.0	0.1

Supplemental Table 3b. Proportion of exclusive, dual, and polytobacco use among tobacco users by sex: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	NHIS (2015)							
	Men (n = 3,767)				Women (n = 2,808)			
	n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB
Exclusive use	2,900	77.5	75.7	79.3	2,371	85.0	82.9	86.9
Cigarettes	1,814	45.0	42.8	47.2	2,083	72.8	70.3	75.2
ENDS	181	6.5	5.5	7.6	136	5.8	4.7	7.2
Other combustibles	510	15.3	13.7	17.0	125	5.5	4.3	7.0

Smokeless	395	10.8	9.3	12.5	27	0.9	0.6	1.4
Dual use	738	18.9	17.3	20.7	409	13.8	12.0	15.8
Cigarettes + ENDS	246	6.7	5.7	7.9	297	9.8	8.4	11.5
Cigarettes + other combustibles	299	6.7	5.7	7.9	89	3.2	2.4	4.3
Cigarettes + smokeless	100	2.9	2.1	3.8	10	0.2	0.1	0.4
ENDS + other combustibles	21	0.7	0.4	1.1	10	0.5	0.2	1.0
ENDS + smokeless	11	0.3	0.1	0.6	1	0.0	0.0	0.1
Other combustibles + smokeless	61	1.7	1.1	2.5	2	0.0	0.0	0.2
Poly use	129	3.5	2.8	4.5	28	1.2	0.7	2.1
Cigarettes + ENDS + other combustibles	65	1.8	1.3	2.5	24	1.0	0.5	1.7
Cigarettes + ENDS + smokeless	19	0.5	0.3	0.9	1	0.0	0.0	0.1
Cigarettes + other combustibles + smokeless	32	0.8	0.5	1.3	2	0.2	0.0	1.3
ENDS + other combustibles + smokeless	3	0.0	0.0	0.1	1	0.0	0.0	0.4
All four groups	10	0.4	0.2	0.9	0	0.0	0.0	0.0

Supplemental Table 3b. Proportion of exclusive, dual, and polytobacco use among tobacco users by sex: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	PATH (2015-2016)							
	Men (n = 6,862)				Women (n = 5,510)			
	n	%	95% CI		n	%	95% CI	
LB			UB	LB			UB	
Exclusive use	4,716	72.0	70.8	73.1	4,185	78.3	77.2	79.5
Cigarettes	2,767	41.4	39.9	42.9	3,320	63.4	61.9	64.8
ENDS	373	5.0	4.3	5.7	352	6.6	5.7	7.7
Other combustibles	936	15.3	14.1	16.6	479	7.6	6.8	8.4
Smokeless	640	10.3	9.2	11.5	34	0.8	0.4	1.3
Dual use	1,616	21.8	20.7	22.9	1,099	18.1	17.1	19.1
Cigarettes + ENDS	374	5.5	4.9	6.2	530	9.7	8.9	10.7
Cigarettes + other combustibles	669	9.0	8.3	9.8	380	5.7	5.1	6.4

Cigarettes + smokeless	209	2.9	2.6	3.4	24	0.3	0.2	0.5
ENDS + other combustibles	206	2.4	2.0	2.8	160	2.1	1.8	2.6
ENDS + smokeless	34	0.4	0.3	0.6	1	0.0	0.0	0.2
Other combustibles + smokeless	124	1.6	1.3	1.9	4	0.1	0.0	0.2
Poly use	530	6.2	5.7	6.8	226	3.6	3.1	4.2
Cigarettes + ENDS + other combustibles	231	2.7	2.4	3.2	185	2.9	2.4	3.5
Cigarettes + ENDS + smokeless	61	0.7	0.5	0.9	10	0.2	0.1	0.4
Cigarettes + other combustibles + smokeless	109	1.3	1.1	1.7	12	0.2	0.1	0.4
ENDS + other combustibles + smokeless	40	0.5	0.3	0.9	2	0.0	0.0	0.1
All four groups	89	1.0	0.8	1.3	17	0.3	0.1	0.5

n = unweighted sample size; % = weighted percentage

ENDS = Electronic Nicotine Delivery Systems

Supplemental Table 4a. Population prevalence of exclusive, dual, and polytobacco use by race/ethnicity: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016)

	TUS-CPS (2014-2015)															
	NH White (n = 113,288)				NH Black (n = 15,451)				Hispanic (n = 16,370)				NH Other (n = 9,958)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Non-user	91,863	80.6	80.4	80.8	12,733	82.9	82.4	83.5	14,574	89.1	88.7	89.5	8,409	87.2	86.6	87.7
Exclusive use	17,897	16.0	15.8	16.2	2,389	14.8	14.3	15.4	1,534	9.2	8.9	9.6	1,299	10.5	10.0	10.9
Cigarettes	13,405	11.8	11.6	12.0	2,014	12.1	11.6	12.6	1,280	7.5	7.2	7.8	1,041	8.4	8.0	8.9
ENDS	833	0.8	0.8	0.9	46	0.3	0.3	0.4	72	0.4	0.4	0.5	63	0.5	0.4	0.7
Other combustibles	1,837	1.8	1.7	1.9	257	2.0	1.8	2.3	147	1.1	0.9	1.2	111	0.9	0.8	1.1
Smokeless	1,822	1.6	1.5	1.7	72	0.4	0.3	0.5	35	0.2	0.2	0.3	84	0.6	0.5	0.7
Dual use	3,177	3.0	2.9	3.1	302	2.0	1.9	2.3	233	1.4	1.3	1.6	225	2.1	1.9	2.3
Cigarettes + ENDS	1,813	1.7	1.6	1.7	111	0.7	0.6	0.8	100	0.5	0.4	0.6	118	1.2	1.0	1.4
Cigarettes + other combustibles	756	0.8	0.7	0.8	167	1.2	1.0	1.4	103	0.7	0.6	0.8	67	0.6	0.4	0.7

Cigarettes + smokeless	333	0.3	0.3	0.3	10	0.1	0.0	0.1	9	0.0	0.0	0.1	25	0.1	0.1	0.2
ENDS + other combustibles	84	0.1	0.1	0.1	11	0.1	0.1	0.2	18	0.1	0.1	0.2	9	0.1	0.1	0.2
ENDS + smokeless	37	0.0	0.0	0.0	2	0.0	0.0	0.1	0	0.0			2	0.0	0.0	0.1
Other combustibles + smokeless	154	0.2	0.1	0.2	1	0.0	0.0	0.0	3	0.0	0.0	0.0	4	0.0	0.0	0.1
Poly use	351	0.4	0.3	0.4	27	0.2	0.1	0.2	29	0.2	0.1	0.3	25	0.3	0.2	0.4
Cigarettes + ENDS + other combustibles	177	0.2	0.2	0.2	22	0.1	0.1	0.2	20	0.1	0.1	0.2	10	0.1	0.1	0.2
Cigarettes + ENDS + smokeless	63	0.1	0.1	0.1	2	0.0	0.0	0.0	3	0.0	0.0	0.0	3	0.0	0.0	0.1
Cigarettes + other combustibles + smokeless	77	0.1	0.1	0.1	2	0.0	0.0	0.0	4	0.0	0.0	0.1	9	0.1	0.1	0.2
ENDS + other combustibles + smokeless	4	0.0	0.0	0.0	1	0.0	0.0	0.0	1	0.0	0.0	0.0	0	0.0		
All four groups	30	0.0	0.0	0.0	0	0.0			1	0.0	0.0	0.0	3	0.1	0.0	0.2

Supplemental Table 4a. Population prevalence of exclusive, dual, and polytobacco use by race/ethnicity: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	NHIS (2015)															
	NH White (n = 19,737)				NH Black (n = 4,092)				Hispanic (n = 5,262)				NH Other (n = 2,589)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Non-user	15,220	77.2	76.2	78.1	3,220	79.1	77.2	80.8	4,502	87.0	85.7	88.1	2,163	86.7	85.0	88.3
Exclusive use	3,555	18.2	17.4	19.0	730	17.2	15.6	18.9	658	11.4	10.3	12.6	328	10.0	8.6	11.5
Cigarettes	2,543	12.3	11.6	13.0	584	12.9	11.6	14.3	521	8.5	7.6	9.5	249	7.2	6.1	8.5
ENDS	242	1.5	1.3	1.8	22	0.5	0.3	0.8	35	0.9	0.6	1.4	18	0.9	0.5	1.6
Other combustibles	401	2.4	2.1	2.7	101	3.3	2.6	4.3	85	1.7	1.3	2.3	48	1.5	1.0	2.2

Non-user	8,462	73.4	72.5	74.2	2,278	69.8	68.2	71.3	3,502	80.3	79.0	81.6	1,221	80.3	78.5	82.0
Exclusive use	5,591	19.8	19.2	20.5	1,336	23.1	21.7	24.5	1,224	14.7	13.6	15.9	596	13.9	12.5	15.5
Cigarettes	3,806	13.1	12.5	13.7	935	16.3	15.1	17.7	820	10.3	9.4	11.3	400	9.0	8.0	10.1
ENDS	484	1.6	1.4	1.8	69	1.2	0.9	1.6	114	1.2	0.9	1.4	56	1.3	0.8	1.9
Other combustibles	726	2.9	2.6	3.2	307	5.0	4.3	5.8	266	3.0	2.5	3.5	103	2.9	2.2	3.8
Smokeless	575	2.2	2.0	2.5	25	0.6	0.3	1.0	24	0.3	0.2	0.4	37	0.8	0.5	1.3
Dual use	1,710	5.5	5.1	5.8	368	6.0	5.4	6.7	377	3.8	3.3	4.4	226	4.5	3.6	5.4
Cigarettes + ENDS	688	2.3	2.1	2.5	61	1.0	0.8	1.3	87	1.0	0.7	1.3	62	1.2	0.9	1.7
Cigarettes + other combustibles	554	1.7	1.6	1.9	229	3.7	3.2	4.3	155	1.6	1.3	2.0	91	1.8	1.3	2.4
Cigarettes + smokeless	196	0.6	0.6	0.7	4	0.1	0.0	0.3	15	0.2	0.1	0.3	16	0.4	0.2	0.6
ENDS + other combustibles	148	0.4	0.3	0.5	65	1.0	0.7	1.3	111	1.0	0.8	1.3	39	0.8	0.5	1.2
ENDS + smokeless	28	0.1	0.1	0.1	2	0.0	0.0	0.2	2	0.0	0.0	0.0	3	0.0	0.0	0.1
Other combustibles + smokeless	96	0.3	0.3	0.4	7	0.1	0.0	0.2	7	0.1	0.0	0.1	15	0.3	0.1	0.7
Poly use	483	1.4	1.3	1.5	78	1.2	0.9	1.6	123	1.2	0.9	1.4	63	1.3	0.9	1.8
Cigarettes + ENDS + other combustibles	235	0.7	0.6	0.8	60	0.8	0.6	1.1	80	0.7	0.6	0.9	37	0.8	0.5	1.3
Cigarettes + ENDS + smokeless	55	0.1	0.1	0.2	2	0.0	0.0	0.1	8	0.1	0.0	0.2	6	0.1	0.0	0.4
Cigarettes + other combustibles + smokeless	90	0.3	0.2	0.3	8	0.2	0.1	0.6	16	0.2	0.1	0.2	6	0.1	0.0	0.2
ENDS + other combustibles + smokeless	28	0.1	0.0	0.1	2	0.0	0.0	0.1	7	0.1	0.0	0.1	3	0.0	0.0	0.1
All four groups	75	0.2	0.2	0.3	6	0.1	0.0	0.2	12	0.1	0.1	0.3	11	0.3	0.1	0.6

n = unweighted sample size; % = weighted percentage

ENDS = Electronic Nicotine Delivery Systems

Supplemental Table 4b. Proportion of exclusive, dual, and polytobacco use among tobacco users by race/ethnicity: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016)

	TUS-CPS (2014-2015)															
	NH White (n = 21,425)				NH Black (n = 2,718)				Hispanic (n = 1,796)				NH Other (n = 1,549)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Exclusive use	17,897	82.6	82.2	83.0	2,389	87.0	85.8	88.0	1,534	85.0	83.5	86.4	1299	81.5	79.7	83.2
Cigarettes	13,405	60.8	60.2	61.3	2,014	70.8	69.2	72.4	1,280	69.3	67.3	71.1	1041	65.7	63.2	68.0
ENDS	833	4.2	4.0	4.5	46	1.9	1.5	2.5	72	3.9	3.2	4.7	63	4.1	3.3	5.0
Other combustibles	1,837	9.3	9.0	9.7	257	11.9	10.8	13.2	147	9.8	8.7	11.1	111	7.3	6.0	8.7
Smokeless	1,822	8.3	8.0	8.6	72	2.3	1.9	2.8	35	2.0	1.5	2.7	84	4.5	3.7	5.5
Dual use	3,177	15.5	15.1	15.9	302	12.0	10.9	13.1	233	13.1	11.8	14.6	225	16.1	14.5	17.9
Cigarettes + ENDS	1,813	8.5	8.2	8.9	111	3.9	3.3	4.5	100	4.8	4.1	5.7	118	9.4	8.2	10.8
Cigarettes + other combustibles	756	3.9	3.7	4.2	167	7.0	6.1	8.0	103	6.5	5.6	7.7	67	4.4	3.5	5.5
Cigarettes + smokeless	333	1.6	1.4	1.7	10	0.3	0.2	0.5	9	0.4	0.2	0.7	25	1.1	0.8	1.5
ENDS + other combustibles	84	0.5	0.4	0.6	11	0.6	0.4	0.9	18	1.3	0.9	1.9	9	0.9	0.5	1.6
ENDS + smokeless	37	0.2	0.1	0.2	2	0.1	0.1	0.4	0	0.0			2	0.1	0.0	0.4
Other combustibles + smokeless	154	0.8	0.7	1.0	1	0.1	0.0	0.2	3	0.1	0.1	0.3	4	0.2	0.1	0.5
Poly use	351	1.9	1.7	2.1	27	1.1	0.8	1.4	29	1.9	1.4	2.6	25	2.4	1.7	3.3
Cigarettes + ENDS + other combustibles	177	1.0	0.8	1.1	22	0.9	0.6	1.2	20	1.3	0.9	1.9	10	0.8	0.5	1.2
Cigarettes + ENDS + smokeless	63	0.3	0.3	0.4	2	0.1	0.0	0.2	3	0.1	0.1	0.3	3	0.3	0.1	1.0

Cigarettes + other combustibles + smokeless	77	0.4	0.3	0.5	2	0.1	0.0	0.2	4	0.3	0.1	0.7	9	0.8	0.4	1.4
ENDS + other combustibles + smokeless	4	0.0	0.0	0.0	1	0.1	0.0	0.2	1	0.0	0.0	0.1	0	0.0		
All four groups	30	0.2	0.1	0.2	0	0.0			1	0.1	0.0	0.3	3	0.5	0.2	1.2

Supplemental Table 4b. Proportion of exclusive, dual, and polytobacco use among tobacco users by race/ethnicity: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	NHIS (2015)															
	NH White (n = 4,517)				NH Black (n = 872)				Hispanic (n = 760)				NH Other (n = 426)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Exclusive use	3,555	79.6	77.9	81.2	730	82.0	78.5	85.1	658	87.7	84.5	90.3	328	75.1	68.4	80.7
Cigarettes	2,543	53.8	51.5	56.1	584	61.4	57.1	65.5	521	65.2	60.5	69.7	249	54.3	47.6	60.9
ENDS	242	6.6	5.7	7.7	22	2.5	1.5	4.0	35	7.3	4.9	10.7	18	6.7	3.9	11.4
Other combustibles	401	10.5	9.2	12.0	101	15.9	12.6	19.9	85	13.2	10.1	17.1	48	11.4	7.9	16.2
Smokeless	369	8.7	7.4	10.0	23	2.3	1.5	3.4	17	2.0	0.9	4.1	13	2.6	1.3	4.8
Dual use	840	17.6	16.1	19.1	132	17.3	14.2	20.8	90	10.4	8.1	13.4	85	19.5	14.3	26.1
Cigarettes + ENDS	416	8.4	7.4	9.7	42	5.7	3.9	8.4	41	5.3	3.8	7.4	44	11.3	7.3	17.1
Cigarettes + other combustibles	240	4.6	3.9	5.5	82	10.6	8.3	13.5	38	3.8	2.6	5.5	28	6.9	4.2	11.1
Cigarettes + smokeless	96	2.3	1.7	3.1	3	0.4	0.1	1.3	6	0.3	0.1	1.0	5	0.3	0.1	1.0
ENDS + other combustibles	21	0.6	0.4	1.0	1	0.1	0.0	0.4	4	0.7	0.2	2.0	5	0.7	0.2	2.0

ENDS + smokeless	10	0.2	0.1	0.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.2	0.1	0.9
Other combustibles + smokeless	57	1.3	0.9	1.9	4	0.5	0.1	1.5	1	0.3	0.0	2.4	1	0.1	0.0	0.4
Poly use	122	2.9	2.2	3.6	10	0.7	0.3	1.3	12	1.9	0.9	3.9	13	5.4	2.2	12.8
Cigarettes + ENDS + other combustibles	62	1.3	0.9	1.9	7	0.6	0.3	1.2	10	1.8	0.8	3.8	10	5.0	1.9	12.5
Cigarettes + ENDS + smokeless	20	0.4	0.2	0.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
Cigarettes + other combustibles + smokeless	29	0.7	0.4	1.2	3	0.1	0.0	0.5	1	0.1	0.0	0.6	1	0.0	0.0	0.0
ENDS + other combustibles + smokeless	2	0.0	0.0	0.1	0	0.0	0.0	0.0	1	0.0	0.0	0.1	1	0.4	0.1	2.7
All four groups	9	0.3	0.1	0.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	0.0	0.1

Supplemental Table 4b. Proportion of exclusive, dual, and polytobacco use among tobacco users by race/ethnicity: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	PATH (2015-2016)															
	NH White (n = 7,784)				NH Black (n = 1,782)				Hispanic (n = 1,724)				NH Other (n = 885)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Exclusive use	5,591	74.4	73.3	75.5	1,336	76.3	74.3	78.2	1,224	74.7	72.0	77.3	596	70.9	65.9	75.3
Cigarettes	3,806	49.2	47.8	50.5	935	54.0	51.0	56.9	820	52.4	49.2	55.6	400	45.5	41.0	50.1
ENDS	484	6.0	5.3	6.8	69	3.9	2.9	5.2	114	5.8	4.8	7.1	56	6.4	4.3	9.3

Other combustibles	726	10.8	9.8	11.9	307	16.5	14.3	19.0	266	15.2	13.1	17.6	103	14.7	11.5	18.6
Smokeless	575	8.4	7.5	9.5	25	1.9	1.1	3.3	24	1.4	0.9	2.1	37	4.2	2.7	6.6
Dual use	1,710	20.5	19.4	21.5	368	19.8	18.0	21.7	377	19.4	17.2	21.9	226	22.6	18.9	26.8
Cigarettes + ENDS	688	8.5	7.8	9.3	61	3.4	2.7	4.4	87	4.9	3.7	6.5	62	6.3	4.5	8.7
Cigarettes + other combustibles	554	6.5	5.9	7.2	229	12.4	10.7	14.2	155	8.3	6.8	10.0	91	9.1	7.0	11.8
Cigarettes + smokeless	196	2.4	2.1	2.8	4	0.3	0.1	1.0	15	0.8	0.5	1.3	16	1.8	1.1	2.9
ENDS + other combustibles	148	1.5	1.2	1.8	65	3.3	2.5	4.4	111	5.1	4.1	6.3	39	3.9	2.5	6.0
ENDS + smokeless	28	0.3	0.2	0.5	2	0.1	0.0	0.6	2	0.1	0.0	0.2	3	0.2	0.1	0.6
Other combustibles + smokeless	96	1.2	0.9	1.5	7	0.3	0.1	0.8	7	0.3	0.2	0.5	15	1.4	0.6	3.4
Poly use	483	5.1	4.7	5.6	78	3.9	2.9	5.2	123	5.9	4.8	7.2	63	6.5	4.6	9.1
Cigarettes + ENDS + other combustibles	235	2.6	2.2	3.0	60	2.8	2.1	3.7	80	3.8	2.9	4.8	37	4.0	2.5	6.2
Cigarettes + ENDS + smokeless	55	0.6	0.4	0.7	2	0.1	0.0	0.4	8	0.4	0.2	0.8	6	0.7	0.2	2.0
Cigarettes + other combustibles + smokeless	90	1.0	0.8	1.2	8	0.7	0.3	1.8	16	0.8	0.5	1.2	6	0.4	0.2	1.0
ENDS + other combustibles + smokeless	28	0.2	0.2	0.4	2	0.1	0.0	0.3	7	0.3	0.1	0.6	3	0.1	0.0	0.3
All four groups	75	0.8	0.6	1.0	6	0.2	0.1	0.5	12	0.7	0.3	1.4	11	1.3	0.6	3.1

n = unweighted sample size; % = weighted percentage

ENDS = Electronic Nicotine Delivery Systems

Supplemental Table 5a. Population prevalence of exclusive, dual, and polytobacco use by education level (ages 25 and over): TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016)

	TUS-CPS (2014-2015)															
	<High school (n = 14,609)				High school or GED (n = 40,334)				Some college (n = 40,560)				College graduate (n = 49,081)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Non-user	10,915	76.3	75.7	76.9	30,915	77.1	76.7	77.4	32,424	80.1	79.8	80.4	44,969	91.7	91.6	91.9
Exclusive use	3,171	20.2	19.7	20.7	8,021	19.5	19.1	19.8	6,741	16.4	16.1	16.8	3,578	7.1	7.0	7.3
Cigarettes	2,770	17.8	17.3	18.4	6,558	16.0	15.7	16.3	5,238	12.7	12.4	12.9	2,101	4.1	4.0	4.3
ENDS	71	0.4	0.3	0.5	277	0.7	0.6	0.8	362	0.9	0.9	1.0	180	0.4	0.3	0.4
Other combustibles	108	0.7	0.6	0.8	457	1.2	1.1	1.3	577	1.6	1.5	1.7	952	2.0	1.9	2.1
Smokeless	222	1.3	1.1	1.4	729	1.7	1.6	1.8	564	1.3	1.2	1.3	345	0.7	0.6	0.7
Dual use	477	3.2	3.0	3.4	1,259	3.1	3.0	3.2	1,271	3.1	3.0	3.3	498	1.0	1.0	1.1
Cigarettes + ENDS	229	1.4	1.3	1.6	711	1.7	1.6	1.8	780	1.9	1.8	2.0	266	0.6	0.5	0.6
Cigarettes + other combustibles	180	1.3	1.2	1.5	333	0.9	0.8	0.9	311	0.8	0.7	0.9	123	0.3	0.2	0.3
Cigarettes + smokeless	50	0.3	0.3	0.4	155	0.3	0.3	0.4	88	0.2	0.2	0.2	34	0.1	0.0	0.1
ENDS + other combustibles	6	0.0	0.0	0.1	17	0.1	0.0	0.1	26	0.1	0.1	0.1	26	0.1	0.0	0.1
ENDS + smokeless	3	0.0	0.0	0.0	8	0.0	0.0	0.0	16	0.0	0.0	0.1	8	0.0	0.0	0.0
Other combustibles + smokeless	9	0.0	0.0	0.1	35	0.1	0.1	0.1	50	0.1	0.1	0.2	41	0.1	0.1	0.1
Poly use	46	0.3	0.2	0.4	139	0.3	0.3	0.4	124	0.3	0.3	0.4	36	0.1	0.1	0.1
Cigarettes + ENDS + other combustibles	24	0.2	0.1	0.3	73	0.2	0.1	0.2	69	0.2	0.1	0.2	20	0.1	0.0	0.1
Cigarettes + ENDS + smokeless	10	0.1	0.0	0.1	21	0.0	0.0	0.1	22	0.1	0.0	0.1	6	0.0	0.0	0.0

Cigarettes + other combustibles + smokeless	9	0.1	0.0	0.1	33	0.1	0.1	0.1	22	0.1	0.0	0.1	6	0.0	0.0	0.0
ENDS + other combustibles + smokeless	1	0.0	0.0	0.0	1	0.0	0.0	0.0	0	0.0			2	0.0	0.0	0.0
All four groups	2	0.0	0.0	0.0	11	0.0	0.0	0.0	11	0.0	0.0	0.1	2	0.0	0.0	0.0

Supplemental Table 5a. Population prevalence of exclusive, dual, and polytobacco use by education level (ages 25 and over): TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	NHIS (2015)															
	<High school (n = 4,045)				High school or GED (n = 7,098)				Some college (n = 8,573)				College graduate (n = 9,089)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Non-user	3,013	72.3	70.2	74.2	5,252	73.9	72.3	75.4	6,509	76.8	75.4	78.0	8,098	89.3	88.4	90.2
Exclusive use	857	22.4	20.6	24.5	1,472	20.9	19.5	22.3	1,648	18.6	17.5	19.8	814	9.0	8.2	9.8
Cigarettes	739	18.9	17.2	20.6	1,206	16.4	15.2	17.7	1,223	13.2	12.3	14.2	454	4.6	4.1	5.2
ENDS	22	0.7	0.4	1.2	59	1.1	0.8	1.5	122	1.7	1.3	2.1	63	0.7	0.5	1.0
Other combustibles	35	0.8	0.5	1.3	88	1.5	1.1	2.0	171	2.2	1.8	2.7	232	2.9	2.4	3.4
Smokeless	61	2.1	1.4	3.0	119	1.9	1.4	2.5	132	1.5	1.1	2.0	65	0.7	0.5	1.1
Dual use	156	4.5	3.5	5.6	330	4.7	4.1	5.4	376	4.1	3.5	4.9	154	1.4	1.1	1.7
Cigarettes + ENDS	66	1.8	1.3	2.6	155	2.3	1.9	2.9	199	2.2	1.8	2.7	70	0.6	0.4	0.8
Cigarettes + other combustibles	70	2.1	1.5	3.0	119	1.7	1.3	2.1	117	1.2	0.9	1.5	45	0.3	0.2	0.5
Cigarettes + smokeless	17	0.4	0.2	0.9	33	0.4	0.3	0.7	30	0.4	0.2	0.6	11	0.1	0.1	0.2

ENDS + other combustibles	2	0.0	0.0	0.2	5	0.1	0.0	0.2	6	0.1	0.0	0.3	7	0.1	0.0	0.2
ENDS + smokeless	0	0.0	0.0	0.0	3	0.0	0.0	0.0	4	0.0	0.0	0.1	2	0.0	0.0	0.2
Other combustibles + smokeless	1	0.0	0.0	0.1	15	0.2	0.1	0.4	20	0.2	0.1	0.5	19	0.3	0.1	0.5
Poly use	19	0.8	0.4	1.5	44	0.5	0.3	0.8	40	0.5	0.3	0.7	23	0.3	0.2	0.4
Cigarettes + ENDS + other combustibles	8	0.4	0.1	1.0	24	0.3	0.2	0.5	22	0.2	0.1	0.4	17	0.2	0.2	0.4
Cigarettes + ENDS + smokeless	3	0.1	0.0	0.4	8	0.1	0.0	0.3	6	0.1	0.0	0.3	3	0.0	0.0	0.1
Cigarettes + other combustibles + smokeless	6	0.1	0.0	0.6	11	0.1	0.0	0.3	7	0.1	0.0	0.3	1	0.0	0.0	0.0
ENDS + other combustibles + smokeless	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.0	0.0	0.1	0	0.0	0.0	0.0
All four groups	2	0.2	0.0	0.9	1	0.0	0.0	0.1	3	0.0	0.0	0.1	2	0.0	0.0	0.0

Supplemental Table 5a. Population prevalence of exclusive, dual, and polytobacco use by education level (ages 25 and over): TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	PATH (2015-2016)															
	<High school (n = 2,506)				High school or GED (n = 5,258)				Some college (n = 6,514)				College graduate (n = 5,274)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Non-user	984	66.8	64.5	69.0	2,149	68.6	67.2	70.0	3,213	73.1	71.9	74.2	3,838	87.0	86.1	87.8
Exclusive use	1,174	25.9	24.0	28.0	2,358	24.3	23.1	25.5	2,427	20.0	19.1	21.0	1,128	10.5	9.7	11.2

Cigarettes	1,002	21.7	19.9	23.5	1,925	19.0	18.0	20.1	1,768	14.0	13.2	14.8	592	5.0	4.5	5.5
ENDS	48	1.2	0.9	1.7	123	1.4	1.1	1.7	192	1.6	1.3	1.9	81	0.7	0.5	0.9
Other combustibles	36	0.9	0.6	1.3	132	1.6	1.3	2.0	294	2.8	2.5	3.3	361	3.9	3.3	4.4
Smokeless	88	2.2	1.5	3.1	178	2.3	1.9	2.7	173	1.6	1.3	1.9	94	1.0	0.7	1.3
Dual use	274	5.8	5.1	6.6	597	5.6	5.1	6.2	721	5.7	5.2	6.3	257	2.2	1.9	2.5
Cigarettes + ENDS	96	2.1	1.6	2.7	217	2.1	1.8	2.5	309	2.4	2.1	2.8	99	0.9	0.7	1.1
Cigarettes + other combustibles	138	2.9	2.3	3.5	274	2.4	2.1	2.7	267	2.1	1.8	2.5	87	0.7	0.6	0.9
Cigarettes + smokeless	27	0.6	0.4	1.0	64	0.7	0.5	0.9	58	0.5	0.4	0.6	15	0.1	0.1	0.2
ENDS + other combustibles	9	0.2	0.1	0.4	22	0.2	0.1	0.3	53	0.5	0.3	0.7	25	0.2	0.1	0.4
ENDS + smokeless	1	0.0	0.0	0.3	1	0.0	0.0	0.1	8	0.1	0.0	0.2	6	0.1	0.0	0.1
Other combustibles + smokeless	3	0.1	0.0	0.2	19	0.2	0.1	0.4	26	0.2	0.1	0.3	25	0.2	0.1	0.3
Poly use	74	1.5	1.2	1.9	154	1.5	1.2	1.9	153	1.2	1.0	1.4	51	0.4	0.3	0.5
Cigarettes + ENDS + other combustibles	43	0.9	0.6	1.2	79	0.7	0.5	0.9	100	0.7	0.6	0.9	29	0.2	0.1	0.3
Cigarettes + ENDS + smokeless	4	0.1	0.0	0.2	23	0.2	0.2	0.3	8	0.1	0.0	0.1	3	0.0	0.0	0.1
Cigarettes + other combustibles + smokeless	17	0.4	0.2	0.5	26	0.3	0.2	0.4	26	0.2	0.1	0.3	11	0.1	0.0	0.1
ENDS + other combustibles + smokeless	4	0.1	0.0	0.2	4	0.1	0.0	0.5	3	0.0	0.0	0.1	3	0.0	0.0	0.1
All four groups	6	0.1	0.0	0.3	22	0.2	0.1	0.3	16	0.1	0.1	0.2	5	0.0	0.0	0.1

n = unweighted sample size; % = weighted percentage

ENDS = Electronic Nicotine Delivery Systems

Supplemental Table 5b. Proportion of exclusive, dual, and polytobacco use among tobacco users by education level (ages 25 and over): TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016)

	TUS-CPS (2014-2015)															
	<High school (n = 3,694)				High school or GED (n = 9,419)				Some college (n = 8,136)				College graduate (n = 4,112)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Exclusive use	3,171	85.2	84.2	86.1	8,021	85.0	84.4	85.6	6,741	82.6	81.9	83.3	3,578	86.6	85.7	87.4
Cigarettes	2,770	75.2	74.0	76.4	6,558	69.7	68.9	70.5	5,238	63.7	62.8	64.5	2,101	49.9	48.6	51.2
ENDS	71	1.8	1.5	2.2	277	3.0	2.7	3.3	362	4.8	4.4	5.2	180	4.3	3.8	4.8
Other combustibles	108	2.8	2.5	3.3	457	5.1	4.8	5.5	577	7.9	7.4	8.4	952	24.2	23.1	25.4
Smokeless	222	5.4	4.8	6.0	729	7.2	6.8	7.7	564	6.3	5.9	6.7	345	8.2	7.5	9.0
Dual use	477	13.5	12.6	14.4	1,259	13.6	13.0	14.1	1,271	15.7	15.0	16.4	498	12.5	11.7	13.3
Cigarettes + ENDS	229	6.0	5.4	6.7	711	7.5	7.1	8.0	780	9.4	8.9	10.0	266	6.7	6.1	7.4
Cigarettes + other combustibles	180	5.7	5.1	6.4	333	3.8	3.5	4.1	311	4.1	3.7	4.5	123	3.3	2.9	3.9
Cigarettes + smokeless	50	1.4	1.1	1.7	155	1.5	1.3	1.7	88	0.9	0.8	1.1	34	0.7	0.5	0.9
ENDS + other combustibles	6	0.2	0.1	0.3	17	0.3	0.2	0.4	26	0.4	0.3	0.5	26	0.7	0.5	0.9
ENDS + smokeless	3	0.1	0.0	0.2	8	0.1	0.0	0.1	16	0.2	0.1	0.3	8	0.2	0.1	0.3
Other combustibles + smokeless	9	0.2	0.1	0.3	35	0.4	0.3	0.5	50	0.6	0.5	0.8	41	0.9	0.7	1.1
Poly use	46	1.3	1.1	1.7	139	1.4	1.2	1.6	124	1.7	1.5	2.0	36	1.0	0.8	1.3
Cigarettes + ENDS + other combustibles	24	0.8	0.6	1.1	73	0.8	0.6	1.0	69	0.9	0.7	1.1	20	0.7	0.5	0.9
Cigarettes + ENDS + smokeless	10	0.3	0.2	0.4	21	0.2	0.1	0.3	22	0.3	0.2	0.4	6	0.1	0.1	0.3

Cigarettes + other combustibles + smokeless	9	0.3	0.2	0.4	33	0.3	0.2	0.4	22	0.3	0.2	0.5	6	0.1	0.0	0.2
ENDS + other combustibles + smokeless	1	0.0	0.0	0.1	1	0.0	0.0	0.0	0	0.0			2	0.1	0.0	0.2
All four groups	2	0.0	0.0	0.1	11	0.1	0.1	0.2	11	0.2	0.1	0.3	2	0.0	0.0	0.2

Supplemental Table 5b. Proportion of exclusive, dual, and polytobacco use among tobacco users by education level (ages 25 and over): TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	NHIS (2015)															
	<High school (n = 1,032)				High school or GED (n = 1,846)				Some college (n = 2,064)				College graduate (n = 991)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Exclusive use	857	81.0	76.7	84.6	1,472	80.0	77.5	82.3	1,648	80.1	77.2	82.8	814	84.3	81.3	86.9
Cigarettes	739	68.1	63.5	72.3	1,206	62.9	59.6	66.0	1,223	56.9	53.8	60.0	454	43.3	39.0	47.6
ENDS	22	2.5	1.5	4.2	59	4.3	3.2	5.7	122	7.3	5.9	9.0	63	6.9	5.0	9.5
Other combustibles	35	2.9	1.8	4.6	88	5.6	4.2	7.5	171	9.5	7.8	11.5	232	27.1	23.3	31.2
Smokeless	61	7.4	5.1	10.7	119	7.2	5.6	9.3	132	6.4	4.9	8.4	65	7.0	5.0	9.7
Dual use	156	16.1	12.9	20.0	330	18.0	15.8	20.5	376	17.8	15.4	20.6	154	13.1	10.7	15.9
Cigarettes + ENDS	66	6.6	4.7	9.2	155	9.0	7.2	11.1	199	9.5	7.9	11.4	70	5.5	4.1	7.3
Cigarettes + other combustibles	70	7.7	5.6	10.5	119	6.3	5.0	8.0	117	5.1	4.0	6.5	45	3.2	2.2	4.6
Cigarettes + smokeless	17	1.6	0.7	3.3	33	1.7	1.1	2.6	30	1.6	0.9	2.8	11	1.0	0.5	2.0
ENDS + other combustibles	2	0.2	0.0	0.7	5	0.2	0.1	0.6	6	0.4	0.1	1.4	7	0.6	0.3	1.5
ENDS + smokeless	0	0.0	0.0	0.0	3	0.0	0.0	0.2	4	0.2	0.1	0.5	2	0.4	0.1	1.4

Other combustibles + smokeless	1	0.0	0.0	0.2	15	0.8	0.4	1.6	20	1.0	0.5	2.0	19	2.5	1.3	4.8
Poly use	19	2.9	1.5	5.6	44	2.0	1.3	3.0	40	2.1	1.4	3.1	23	2.6	1.7	3.9
Cigarettes + ENDS + other combustibles	8	1.4	0.5	3.6	24	1.1	0.6	1.8	22	1.0	0.5	1.9	17	2.3	1.4	3.5
Cigarettes + ENDS + smokeless	3	0.4	0.1	1.3	8	0.4	0.1	1.2	6	0.5	0.2	1.2	3	0.2	0.1	0.7
Cigarettes + other combustibles + smokeless	6	0.5	0.1	2.0	11	0.4	0.2	1.0	7	0.5	0.2	1.2	1	0.1	0.0	0.5
ENDS + other combustibles + smokeless	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.1	0.0	0.2	0	0.0	0.0	0.0
All four groups	2	0.7	0.1	3.1	1	0.1	0.0	0.5	3	0.1	0.0	0.5	2	0.1	0.0	0.4

Supplemental Table 5b. Proportion of exclusive, dual, and polytobacco use among tobacco users by education level (ages 25 and over): TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	PATH (2015-2016)															
	<High school (n = 1,522)				High school or GED (n = 3,109)				Some college (n = 3,301)				College graduate (n = 1,436)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Exclusive use	1,174	78.1	75.8	80.2	2,358	77.3	75.8	78.8	2,427	74.4	72.6	76.1	1,128	80.4	77.8	82.8
Cigarettes	1,002	65.2	62.3	68.0	1,925	60.6	58.5	62.6	1,768	51.9	49.8	54.0	592	38.4	35.2	41.6
ENDS	48	3.6	2.6	5.1	123	4.4	3.5	5.4	192	5.9	4.9	7.1	81	5.1	3.9	6.7
Other combustibles	36	2.7	1.8	4.0	132	5.2	4.3	6.2	294	10.6	9.3	12.0	361	29.6	26.1	33.3
Smokeless	88	6.5	4.7	9.0	178	7.2	6.1	8.5	173	6.0	4.9	7.2	94	7.3	5.6	9.6
Dual use	274	17.5	15.5	19.6	597	17.9	16.5	19.4	721	21.3	19.8	23.0	257	16.9	14.8	19.2
Cigarettes + ENDS	96	6.2	4.8	7.9	217	6.7	5.7	7.8	309	9.0	8.0	10.2	99	6.7	5.5	8.2

Non-user	59,280	78.6	78.4	78.8	39,958	85.0	84.7	85.2	28,341	89.5	89.2	89.7
Exclusive use	14,108	17.7	17.4	17.9	6,124	12.7	12.4	12.9	2,887	8.9	8.7	9.2
Cigarettes	11,745	14.5	14.3	14.7	4,407	9.1	8.8	9.3	1,588	4.8	4.6	5.0
ENDS	520	0.7	0.7	0.8	321	0.7	0.6	0.8	173	0.6	0.5	0.7
Other combustibles	921	1.4	1.3	1.4	706	1.6	1.5	1.7	725	2.4	2.3	2.6
Smokeless	922	1.1	1.0	1.1	690	1.3	1.2	1.4	401	1.1	1.0	1.2
Dual use	2,507	3.3	3.2	3.5	994	2.1	2.0	2.2	436	1.4	1.3	1.5
Cigarettes + ENDS	1,388	1.7	1.6	1.8	525	1.1	1.0	1.1	229	0.8	0.7	0.9
Cigarettes + other combustibles	766	1.1	1.1	1.2	229	0.5	0.5	0.6	98	0.3	0.3	0.4
Cigarettes + smokeless	203	0.3	0.2	0.3	133	0.2	0.2	0.3	41	0.1	0.1	0.1
ENDS + other combustibles	71	0.1	0.1	0.2	35	0.1	0.1	0.1	16	0.0	0.0	0.1
ENDS + smokeless	18	0.0	0.0	0.0	12	0.0	0.0	0.0	11	0.0	0.0	0.1
Other combustibles + smokeless	61	0.1	0.1	0.1	60	0.1	0.1	0.2	41	0.2	0.1	0.2
Poly use	276	0.4	0.4	0.4	110	0.3	0.2	0.3	46	0.2	0.1	0.2
Cigarettes + ENDS + other combustibles	158	0.2	0.2	0.3	53	0.1	0.1	0.2	18	0.1	0.0	0.1
Cigarettes + ENDS + smokeless	42	0.1	0.0	0.1	20	0.1	0.0	0.1	9	0.0	0.0	0.1
Cigarettes + other combustibles + smokeless	53	0.1	0.1	0.1	25	0.1	0.0	0.1	14	0.1	0.0	0.1
ENDS + other combustibles + smokeless	1	0.0	0.0	0.0	2	0.0	0.0	0.0	3	0.0	0.0	0.0
All four groups	22	0.0	0.0	0.0	10	0.0	0.0	0.1	2	0.0	0.0	0.0

Supplemental Table 6a. Population prevalence of exclusive, dual, and polytobacco use by household income: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	NHIS (2015)											
	<\$50,000 (n = 16,816)				\$50,000-\$99,999 (n = 8,745)				\$100,000+ (n = 6,119)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB
Non-user	12,624	74.4	73.5	75.4	7,153	81.0	79.7	82.3	5,329	86.5	85.4	87.7

Exclusive use	3,341	20.2	19.4	21.1	1,274	15.3	14.1	16.4	657	11.4	10.4	12.5
Cigarettes	2,713	15.8	15.1	16.6	857	10.3	9.3	11.2	327	5.5	4.6	6.4
ENDS	164	1.3	1.1	1.6	90	1.3	1.0	1.7	63	1.1	0.7	1.4
Other combustibles	278	1.8	1.5	2.1	184	2.2	1.7	2.6	173	3.4	2.8	4.0
Smokeless	186	1.3	1.0	1.6	142	1.5	1.2	1.9	94	1.5	1.0	1.9
Dual use	746	4.6	4.1	5.1	284	3.4	2.7	4.0	116	1.7	1.2	2.1
Cigarettes + ENDS	365	2.3	1.9	2.6	138	1.5	1.2	1.9	41	0.7	0.4	0.9
Cigarettes + other combustibles	279	1.7	1.4	2.0	81	0.9	0.6	1.1	28	0.4	0.2	0.6
Cigarettes + smokeless	59	0.4	0.2	0.5	37	0.5	0.3	0.8	14	0.2	0.1	0.3
ENDS + other combustibles	16	0.1	0.0	0.2	9	0.2	0.0	0.3	6	0.1	0.0	0.2
ENDS + smokeless	2	0.0	0.0	0.0	6	0.1	0.0	0.1	4	0.1	0.0	0.1
Other combustibles + smokeless	27	0.1	0.1	0.2	14	0.2	0.1	0.4	23	0.3	0.1	0.5
Poly use	106	0.8	0.6	1.0	34	0.4	0.2	0.5	18	0.4	0.2	0.5
Cigarettes + ENDS + other combustibles	60	0.4	0.3	0.6	20	0.2	0.1	0.3	9	0.2	0.1	0.3
Cigarettes + ENDS + smokeless	13	0.1	0.0	0.1	3	0.0	0.0	0.1	4	0.1	0.0	0.2
Cigarettes + other combustibles + smokeless	23	0.2	0.1	0.3	7	0.1	0.0	0.2	4	0.0	0.0	0.1
ENDS + other combustibles + smokeless	3	0.0	0.0	0.0	1	0.0	0.0	0.0	0	0.0	0.0	0.0
All four groups	6	0.1	0.0	0.1	3	0.1	0.0	0.1	1	0.0	0.0	0.0

Supplemental Table 6a. Population prevalence of exclusive, dual, and polytobacco use by household income: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	PATH (2015-2016)											
	<\$50,000 (n = 16,244)				\$50,000-\$99,999 (n = 5,861)				\$100,000+ (n = 3,910)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI	
LB			UB	LB			UB	LB			UB	
Non-user	8,022	67.5	66.5	68.5	3,601	78.8	77.7	79.9	2,747	84.1	82.8	85.2

Exclusive use	14,108	82.5	81.9	83.1	6,124	84.3	83.5	85.0	2,887	84.8	83.8	85.7
Cigarettes	11,745	67.8	67.2	68.4	4,407	60.2	59.2	61.2	1,588	45.6	44.1	47.2
ENDS	520	3.3	3.0	3.5	321	4.7	4.3	5.2	173	5.5	4.8	6.2
Other combustibles	921	6.4	6.0	6.7	706	10.5	9.9	11.1	725	23.1	21.9	24.5
Smokeless	922	5.1	4.8	5.3	690	8.9	8.3	9.6	401	10.6	9.7	11.5
Dual use	2,507	15.6	15.1	16.1	994	13.9	13.2	14.6	436	13.6	12.7	14.6
Cigarettes + ENDS	1,388	8.0	7.7	8.4	525	7.0	6.5	7.5	229	7.2	6.5	8.1
Cigarettes + other combustibles	766	5.3	4.9	5.6	229	3.5	3.2	3.9	98	3.1	2.7	3.7
Cigarettes + smokeless	203	1.2	1.1	1.3	133	1.7	1.4	1.9	41	0.9	0.7	1.3
ENDS + other combustibles	71	0.6	0.5	0.7	35	0.7	0.6	0.9	16	0.5	0.3	0.8
ENDS + smokeless	18	0.1	0.1	0.2	12	0.2	0.1	0.3	11	0.4	0.2	0.6
Other combustibles + smokeless	61	0.4	0.3	0.5	60	0.8	0.7	1.0	41	1.5	1.1	2.0
Poly use	276	1.9	1.7	2.1	110	1.8	1.6	2.1	46	1.6	1.2	1.9
Cigarettes + ENDS + other combustibles	158	1.1	0.9	1.2	53	0.9	0.7	1.2	18	0.6	0.4	0.9
Cigarettes + ENDS + smokeless	42	0.3	0.2	0.3	20	0.3	0.2	0.5	9	0.3	0.2	0.5
Cigarettes + other combustibles + smokeless	53	0.4	0.3	0.5	25	0.4	0.2	0.5	14	0.5	0.3	0.8
ENDS + other combustibles + smokeless	1	0.0	0.0	0.0	2	0.0	0.0	0.0	3	0.1	0.0	0.2
All four groups	22	0.1	0.1	0.2	10	0.2	0.1	0.4	2	0.0	0.0	0.1

Supplemental Table 6b. Proportion of exclusive, dual, and polytobacco use among tobacco users by household income: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	NHIS (2015)											
	<\$50,000 (n = 4,194)				\$50,000-\$99,999 (n = 1,592)				\$100,000+ (n = 791)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB
Exclusive use	3,341	79.1	77.3	80.9	1,274	80.4	77.4	83.3	657	84.9	81.4	88.3
Cigarettes	2,713	61.9	59.6	64.1	857	53.9	50.3	57.6	327	40.7	35.3	46.0

ENDS	164	5.2	4.2	6.2	90	7.0	5.3	8.7	63	7.9	5.5	10.4
Other combustibles	278	7.0	5.9	8.0	184	11.3	9.1	13.6	173	25.3	21.0	29.6
Smokeless	186	5.0	3.9	6.1	142	8.0	6.1	9.9	94	11.0	7.8	14.2
Dual use	746	17.9	16.3	19.6	284	17.7	14.9	20.6	116	12.5	9.3	15.6
Cigarettes + ENDS	365	8.9	7.7	10.1	138	8.1	6.3	9.9	41	4.9	3.0	6.8
Cigarettes + other combustibles	279	6.6	5.6	7.6	81	4.5	3.3	5.7	28	2.9	1.2	4.6
Cigarettes + smokeless	59	1.4	0.9	2.0	37	2.8	1.5	4.1	14	1.4	0.4	2.3
ENDS + other combustibles	16	0.4	0.2	0.7	9	0.9	0.1	1.6	6	0.6	0.0	1.2
ENDS + smokeless	2	0.0	0.0	0.1	6	0.3	0.0	0.6	4	0.5	0.0	1.1
Other combustibles + smokeless	27	0.5	0.2	0.8	14	1.2	0.3	2.0	23	2.3	0.9	3.7
Poly use	106	3.0	2.2	3.8	34	1.9	1.0	2.8	18	2.7	1.5	3.8
Cigarettes + ENDS + other combustibles	60	1.7	1.1	2.4	20	0.9	0.3	1.5	9	1.5	0.7	2.4
Cigarettes + ENDS + smokeless	13	0.3	0.0	0.5	3	0.1	0.0	0.3	4	0.7	0.0	1.5
Cigarettes + other combustibles + smokeless	23	0.7	0.2	1.1	7	0.6	0.0	1.1	4	0.3	0.0	0.6
ENDS + other combustibles + smokeless	3	0.1	0.0	0.1	1	0.0	0.0	0.1	0	0.0	0.0	0.0
All four groups	6	0.2	0.0	0.5	3	0.3	0.0	0.7	1	0.2	0.0	0.5

Supplemental Table 6b. Proportion of exclusive, dual, and polytobacco use among tobacco users by household income: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	PATH (2015-2016)											
	<\$50,000 (n = 8,222)				\$50,000-\$99,999 (n = 2,260)				\$100,000+ (n = 1,163)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB
Exclusive use	5,804	73.0	72.0	73.9	1,720	78.0	75.9	79.9	862	78.0	75.1	80.6
Cigarettes	4,336	54.9	53.6	56.3	1,046	46.7	44.4	49.0	360	31.1	28.0	34.2
ENDS	420	5.0	4.4	5.6	163	7.1	5.9	8.5	83	6.6	4.9	8.7
Other combustibles	703	8.1	7.4	9.0	336	15.1	13.3	17.1	303	30.4	26.6	34.4

Smokeless	345	4.9	4.3	5.6	175	9.1	7.6	10.9	116	10.0	8.2	12.2
Dual use	1,877	21.3	20.4	22.3	438	18.3	16.6	20.1	244	18.7	16.3	21.5
Cigarettes + ENDS	630	7.6	6.9	8.4	160	7.1	6.0	8.4	74	6.0	4.6	7.9
Cigarettes + other combustibles	785	8.8	8.1	9.4	136	5.8	4.8	7.0	58	4.4	3.3	5.9
Cigarettes + smokeless	157	1.9	1.6	2.3	50	2.3	1.6	3.2	20	1.7	1.0	2.9
ENDS + other combustibles	228	2.1	1.8	2.5	63	2.0	1.5	2.6	46	3.4	2.4	4.8
ENDS + smokeless	20	0.2	0.1	0.4	6	0.2	0.1	0.5	9	0.6	0.3	1.3
Other combustibles + smokeless	57	0.6	0.5	0.9	23	0.9	0.6	1.5	37	2.6	1.9	3.5
Poly use	541	5.7	5.2	6.3	102	3.7	3.0	4.7	57	3.3	2.4	4.4
Cigarettes + ENDS + other combustibles	326	3.5	3.1	4.0	44	1.6	1.1	2.2	17	0.9	0.6	1.5
Cigarettes + ENDS + smokeless	51	0.6	0.4	0.7	12	0.4	0.2	0.8	6	0.3	0.1	0.7
Cigarettes + other combustibles + smokeless	61	0.7	0.5	0.8	31	1.2	0.8	1.7	15	1.0	0.5	2.1
ENDS + other combustibles + smokeless	24	0.2	0.1	0.3	1	0.1	0.0	0.6	14	0.6	0.4	1.1
All four groups	79	0.8	0.6	1.0	14	0.5	0.3	0.9	5	0.4	0.1	1.4

n = unweighted sample size; % = weighted percentage

ENDS = Electronic Nicotine Delivery Systems

Supplemental Table 7a. Population prevalence of exclusive, dual, and polytobacco use by age: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016)

	TUS-CPS (2014-2015)															
	18-24 (n = 10,483)				25-34 (n = 25,359)				35-54 (n = 53,464)				55+ (n = 65,761)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Non-user	8,356	81.5	80.9	82.1	19,809	79.5	79.1	79.9	42,574	80.9	80.6	81.1	56,840	86.6	86.4	86.9
Exclusive use	1,608	14.0	13.4	14.6	4,520	16.6	16.2	17.0	9,171	16.1	15.9	16.4	7,820	11.7	11.5	11.9
Cigarettes	1,073	9.1	8.6	9.6	3,360	12.2	11.9	12.6	7,144	12.5	12.3	12.8	6,163	9.3	9.1	9.4
ENDS	124	1.1	1.0	1.3	236	0.9	0.8	1.0	396	0.7	0.7	0.8	258	0.4	0.3	0.4

Other combustibles	258	2.6	2.3	2.8	551	2.2	2.0	2.3	714	1.4	1.3	1.4	829	1.3	1.3	1.4
Smokeless	153	1.2	1.0	1.3	373	1.3	1.2	1.4	917	1.5	1.5	1.6	570	0.8	0.7	0.8
Dual use	432	3.8	3.5	4.0	902	3.4	3.3	3.6	1,571	2.7	2.6	2.9	1,032	1.5	1.5	1.6
Cigarettes + ENDS	156	1.3	1.1	1.5	451	1.7	1.6	1.8	907	1.6	1.5	1.7	628	0.9	0.9	1.0
Cigarettes + other combustibles	146	1.4	1.2	1.6	229	1.1	0.9	1.2	416	0.8	0.7	0.8	302	0.5	0.4	0.5
Cigarettes + smokeless	50	0.4	0.3	0.5	122	0.4	0.3	0.4	161	0.2	0.2	0.3	44	0.1	0.1	0.1
ENDS + other combustibles	47	0.4	0.3	0.5	41	0.2	0.1	0.2	21	0.0	0.0	0.1	13	0.0	0.0	0.0
ENDS + smokeless	6	0.0	0.0	0.1	15	0.1	0.0	0.1	16	0.0	0.0	0.0	4	0.0	0.0	0.0
Other combustibles + smokeless	27	0.3	0.2	0.4	44	0.1	0.1	0.2	50	0.1	0.1	0.1	41	0.1	0.0	0.1
Poly use	87	0.8	0.7	0.9	128	0.5	0.4	0.6	148	0.3	0.2	0.3	69	0.1	0.1	0.1
Cigarettes + ENDS + other combustibles	43	0.4	0.3	0.5	61	0.3	0.2	0.3	84	0.1	0.1	0.2	41	0.1	0.1	0.1
Cigarettes + ENDS + smokeless	12	0.1	0.1	0.2	28	0.1	0.1	0.1	22	0.0	0.0	0.1	9	0.0	0.0	0.0
Cigarettes + other combustibles + smokeless	22	0.2	0.1	0.3	26	0.1	0.1	0.1	30	0.1	0.0	0.1	14	0.0	0.0	0.0
ENDS + other combustibles + smokeless	2	0.0	0.0	0.0	1	0.0	0.0	0.0	1	0.0	0.0	0.0	2	0.0	0.0	0.0
All four groups	8	0.1	0.1	0.2	12	0.0	0.0	0.1	11	0.0	0.0	0.0	3	0.0	0.0	0.0

Supplemental Table 7a. Population prevalence of exclusive, dual, and polytobacco use by age: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	NHIS (2015)
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	18-24 (n = 2,747)				25-34 (n = 5,409)				35-54 (n = 10,137)				55+ (n = 13,387)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Non-user	2,130	78.5	76.3	80.6	4,060	75.6	73.9	77.2	7,620	76.6	75.4	77.8	11,295	84.9	84.1	85.8
Exclusive use	456	16.4	14.6	18.4	1,053	19.3	17.9	20.7	2,005	18.7	17.6	19.8	1,757	12.7	12.0	13.6
Cigarettes	252	8.4	7.1	10.0	743	13.1	12.1	14.3	1,522	13.5	12.6	14.5	1,380	9.4	8.8	10.1
ENDS	51	2.4	1.7	3.3	80	1.6	1.2	2.0	108	1.4	1.1	1.7	78	0.6	0.5	0.9
Other combustibles	109	4.1	3.2	5.2	144	3.0	2.4	3.8	191	2.1	1.7	2.5	191	1.6	1.4	2.0
Smokeless	44	1.5	1.0	2.3	86	1.5	1.1	2.1	184	1.7	1.4	2.1	108	1.0	0.8	1.4
Dual use	130	4.0	3.1	5.1	246	4.1	3.4	4.9	461	4.3	3.8	4.8	310	2.2	1.8	2.5
Cigarettes + ENDS	53	1.5	1.1	2.1	95	1.5	1.1	2.0	240	2.3	1.9	2.7	155	1.1	0.9	1.4
Cigarettes + other combustibles	36	0.9	0.5	1.4	93	1.6	1.2	2.1	136	1.2	1.0	1.6	123	0.8	0.6	1.0
Cigarettes + smokeless	19	0.8	0.4	1.7	32	0.6	0.3	1.0	41	0.3	0.2	0.5	18	0.2	0.1	0.3
ENDS + other combustibles	11	0.5	0.2	0.9	11	0.2	0.1	0.5	6	0.0	0.0	0.1	3	0.0	0.0	0.1
ENDS + smokeless	3	0.1	0.0	0.6	3	0.1	0.0	0.2	4	0.0	0.0	0.1	2	0.0	0.0	0.0
Other combustibles + smokeless	8	0.2	0.1	0.5	12	0.2	0.1	0.3	34	0.4	0.2	0.6	9	0.1	0.0	0.2
Poly use	31	1.1	0.7	1.7	50	1.0	0.7	1.6	51	0.5	0.3	0.6	25	0.2	0.1	0.3
Cigarettes + ENDS + other combustibles	18	0.5	0.3	1.0	29	0.6	0.4	1.1	29	0.2	0.2	0.4	13	0.1	0.0	0.2
Cigarettes + ENDS + smokeless	0	0.0	0.0	0.0	7	0.2	0.1	0.4	9	0.1	0.0	0.2	4	0.0	0.0	0.1
Cigarettes + other combustibles + smokeless	9	0.4	0.1	0.9	8	0.1	0.0	0.3	10	0.1	0.0	0.2	7	0.0	0.0	0.1

ENDS + other combustibles + smokeless	2	0.0	0.0	0.2	2	0.0	0.0	0.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0
All four groups	2	0.1	0.0	0.6	4	0.1	0.0	0.5	3	0.0	0.0	0.1	1	0.0	0.0	0.1

Supplemental Table 7a. Population prevalence of exclusive, dual, and polytobacco use by age: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	PATH (2015-2016)															
	18-24 (n = 8,435)				25-34 (n = 5,813)				35-54 (n = 7,748)				55+ (n = 6,072)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Non-user	5,478	68.5	67.0	69.9	2,960	66.5	64.8	68.1	3,737	72.2	71.0	73.3	3,516	82.7	81.8	83.5
Exclusive use	1,789	19.5	18.3	20.7	1,947	23.1	21.7	24.4	3,052	21.4	20.4	22.4	2,118	14.6	13.8	15.4
Cigarettes	777	8.1	7.4	8.9	1,373	15.2	14.2	16.3	2,324	15.6	14.7	16.5	1,615	10.7	10.0	11.4
ENDS	282	3.1	2.7	3.6	145	1.8	1.5	2.2	185	1.2	1.0	1.5	114	0.8	0.7	1.0
Other combustibles	592	6.7	5.9	7.5	304	4.1	3.5	4.8	286	2.6	2.2	3.0	234	1.9	1.6	2.2
Smokeless	138	1.6	1.3	1.8	125	1.9	1.5	2.3	257	2.0	1.8	2.3	155	1.2	1.0	1.4
Dual use	848	8.8	8.2	9.5	676	7.7	7.1	8.5	807	5.5	5.1	5.9	384	2.4	2.1	2.7
Cigarettes + ENDS	177	1.9	1.6	2.3	205	2.4	2.0	2.8	363	2.4	2.1	2.7	159	1.0	0.8	1.2
Cigarettes + other combustibles	275	2.8	2.4	3.1	298	3.2	2.8	3.7	298	2.0	1.7	2.2	178	1.1	0.9	1.3
Cigarettes + smokeless	68	0.8	0.6	1.0	71	0.8	0.6	1.0	75	0.6	0.5	0.8	19	0.1	0.1	0.2
ENDS + other combustibles	254	2.6	2.2	3.1	73	0.9	0.7	1.3	28	0.2	0.1	0.3	11	0.1	0.0	0.1
ENDS + smokeless	19	0.2	0.1	0.3	8	0.1	0.0	0.2	7	0.1	0.0	0.1	1	0.0	0.0	0.1
Other combustibles + smokeless	55	0.6	0.4	0.8	21	0.3	0.2	0.6	36	0.3	0.2	0.4	16	0.1	0.1	0.2
Poly use	320	3.2	2.8	3.7	230	2.8	2.4	3.2	152	0.9	0.8	1.1	54	0.3	0.2	0.4

Cigarettes + ENDS + other combustibles	162	1.6	1.4	2.0	132	1.5	1.2	1.8	87	0.5	0.4	0.7	35	0.2	0.1	0.3
Cigarettes + ENDS + smokeless	33	0.3	0.2	0.4	21	0.3	0.2	0.4	16	0.1	0.1	0.2	1	0.0	0.0	0.0
Cigarettes + other combustibles + smokeless	40	0.4	0.3	0.6	41	0.5	0.3	0.7	26	0.2	0.1	0.2	14	0.1	0.1	0.2
ENDS + other combustibles + smokeless	28	0.3	0.2	0.4	11	0.2	0.1	0.6	3	0.0	0.0	0.1	0	0.0		
All four groups	57	0.6	0.4	0.8	25	0.3	0.2	0.4	20	0.1	0.1	0.3	4	0.0	0.0	0.1

n = unweighted sample size; % = weighted percentage

ENDS = Electronic Nicotine Delivery Systems

Supplemental Table 7b. Proportion of exclusive, dual, and polytobacco use among tobacco users by age: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016)

	TUS-CPS (2014-2015)															
	18-24 (n = 2,127)				25-34 (n = 5,550)				35-54 (n = 10,890)				55+ (n = 8,921)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Exclusive use	1,608	75.3	73.7	76.9	4,520	80.9	79.9	81.8	9,171	84.3	83.8	84.9	7,820	87.7	87.1	88.2
Cigarettes	1,073	49.3	47.4	51.1	3,360	59.7	58.6	60.7	7,144	65.5	64.8	66.3	6,163	69.2	68.4	70.0
ENDS	124	6.0	5.2	7.0	236	4.4	4.0	4.9	396	3.7	3.4	4.1	258	2.7	2.5	3.0
Other combustibles	258	13.8	12.5	15.2	551	10.6	9.9	11.4	714	7.1	6.7	7.5	829	10.0	9.5	10.6
Smokeless	153	6.3	5.5	7.1	373	6.2	5.6	6.8	917	8.0	7.6	8.4	570	5.7	5.3	6.1
Dual use	432	20.3	19.0	21.8	902	16.8	15.9	17.7	1,571	14.3	13.8	14.9	1,032	11.5	11.0	12.1
Cigarettes + ENDS	156	7.0	6.1	8.1	451	8.2	7.6	8.8	907	8.3	7.9	8.7	628	6.8	6.4	7.2
Cigarettes + other combustibles	146	7.3	6.4	8.4	229	5.1	4.6	5.7	416	3.9	3.7	4.3	302	3.5	3.2	3.9
Cigarettes + smokeless	50	2.0	1.6	2.5	122	1.8	1.5	2.1	161	1.3	1.1	1.5	44	0.5	0.4	0.6

ENDS + other combustibles	47	2.3	1.8	2.9	41	0.8	0.6	1.1	21	0.2	0.2	0.3	13	0.2	0.1	0.3
ENDS + smokeless	6	0.3	0.1	0.5	15	0.2	0.2	0.4	16	0.2	0.1	0.2	4	0.0	0.0	0.1
Other combustibles + smokeless	27	1.4	1.0	1.9	44	0.6	0.5	0.8	50	0.5	0.4	0.6	41	0.5	0.4	0.6
Poly use	87	4.3	3.7	5.1	128	2.4	2.0	2.7	148	1.3	1.2	1.5	69	0.8	0.7	1.0
Cigarettes + ENDS + other combustibles	43	2.1	1.6	2.6	61	1.2	1.0	1.6	84	0.8	0.6	0.9	41	0.5	0.4	0.7
Cigarettes + ENDS + smokeless	12	0.6	0.4	0.9	28	0.5	0.4	0.7	22	0.2	0.1	0.3	9	0.1	0.1	0.2
Cigarettes + other combustibles + smokeless	22	1.1	0.8	1.5	26	0.4	0.3	0.6	30	0.3	0.2	0.4	14	0.2	0.1	0.3
ENDS + other combustibles + smokeless	2	0.0	0.0	0.1	1	0.0	0.0	0.1	1	0.0	0.0	0.1	2	0.0	0.0	0.1
All four groups	8	0.5	0.3	0.9	12	0.2	0.1	0.3	11	0.1	0.1	0.2	3	0.0	0.0	0.1

Supplemental Table 7b. Proportion of exclusive, dual, and polytobacco use among tobacco users by age: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	NHIS (2015)															
	18-24 (n = 617)				25-34 (n = 1,349)				35-54 (n = 2,517)				55+ (n = 2,092)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Exclusive use	456	76.3	71.4	80.7	1,053	78.9	75.8	81.8	2,005	79.9	77.7	81.9	1,757	84.5	82.3	86.6
Cigarettes	252	39.3	33.9	44.9	743	53.9	50.4	57.3	1,522	58.0	55.0	60.9	1,380	62.6	59.5	65.7
ENDS	51	11.1	8.1	15.1	80	6.4	4.9	8.3	108	5.8	4.7	7.0	78	4.2	3.2	5.6
Other combustibles	109	19.0	15.1	23.6	144	12.4	10.0	15.2	191	8.8	7.1	10.8	191	10.9	9.1	13.0

Smokeless	44	6.9	4.7	10.2	86	6.3	4.7	8.4	184	7.3	5.9	9.0	108	6.8	5.1	9.0
Dual use	130	18.6	14.7	23.4	246	16.8	14.4	19.5	461	18.2	16.3	20.3	310	14.3	12.3	16.5
Cigarettes + ENDS	53	7.1	5.2	9.8	95	6.1	4.6	8.0	240	9.7	8.3	11.2	155	7.3	5.9	9.1
Cigarettes + other combustibles	36	4.0	2.4	6.4	93	6.6	5.0	8.6	136	5.3	4.2	6.6	123	5.2	3.9	6.7
Cigarettes + smokeless	19	3.9	2.0	7.6	32	2.3	1.4	3.8	41	1.3	0.9	2.0	18	1.0	0.5	1.9
ENDS + other combustibles	11	2.1	1.0	4.4	11	0.9	0.4	2.1	6	0.2	0.1	0.5	3	0.1	0.0	0.4
ENDS + smokeless	3	0.4	0.1	2.6	3	0.2	0.1	0.9	4	0.1	0.0	0.5	2	0.0	0.0	0.2
Other combustibles + smokeless	8	1.0	0.5	2.4	12	0.6	0.3	1.3	34	1.5	0.9	2.6	9	0.6	0.3	1.4
Poly use	31	5.0	3.2	7.9	50	4.3	2.9	6.3	51	1.9	1.4	2.7	25	1.2	0.7	2.0
Cigarettes + ENDS + other combustibles	18	2.5	1.4	4.6	29	2.7	1.6	4.4	29	1.0	0.7	1.6	13	0.7	0.3	1.4
Cigarettes + ENDS + smokeless	0	0.0	0.0	0.0	7	0.6	0.2	1.6	9	0.4	0.2	0.9	4	0.1	0.0	0.7
Cigarettes + other combustibles + smokeless	9	1.7	0.7	4.2	8	0.4	0.1	1.1	10	0.4	0.2	1.0	7	0.3	0.1	0.9
ENDS + other combustibles + smokeless	2	0.2	0.0	1.0	2	0.1	0.0	0.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0
All four groups	2	0.6	0.1	2.6	4	0.5	0.1	2.1	3	0.1	0.0	0.3	1	0.1	0.0	0.5

Supplemental Table 7b. Proportion of exclusive, dual, and polytobacco use among tobacco users by age: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	PATH (2015-2016)			
	18-24 (n = 2,957)	25-34 (n = 2,853)	35-54 (n = 4,011)	55+ (n = 2,556)

	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Exclusive use	1,789	61.8	59.8	63.8	1,947	68.7	66.7	70.6	3,052	76.9	75.4	78.4	2,118	84.3	82.6	85.7
Cigarettes	777	25.8	23.8	27.9	1,373	45.3	43.3	47.3	2,324	55.9	53.8	58.0	1,615	61.5	59.2	63.8
ENDS	282	9.9	8.7	11.3	145	5.5	4.6	6.6	185	4.5	3.7	5.4	114	4.9	4.0	5.9
Other combustibles	592	21.1	19.1	23.3	304	12.2	10.6	14.1	286	9.3	8.0	10.7	234	11.0	9.4	12.8
Smokeless	138	4.9	4.2	5.9	125	5.7	4.6	7.0	257	7.3	6.3	8.4	155	6.9	5.8	8.1
Dual use	848	28.0	26.1	30.0	676	23.1	21.3	25.0	807	19.7	18.3	21.2	384	13.9	12.5	15.4
Cigarettes + ENDS	177	6.1	5.1	7.2	205	7.1	6.0	8.3	363	8.6	7.7	9.7	159	5.9	5.0	7.1
Cigarettes + other combustibles	275	8.8	7.7	9.9	298	9.7	8.5	11.0	298	7.0	6.1	8.1	178	6.2	5.2	7.4
Cigarettes + smokeless	68	2.4	1.9	3.1	71	2.4	1.9	3.0	75	2.2	1.7	2.7	19	0.8	0.5	1.3
ENDS + other combustibles	254	8.3	7.2	9.7	73	2.8	2.0	3.7	28	0.8	0.5	1.2	11	0.4	0.2	0.7
ENDS + smokeless	19	0.6	0.4	0.9	8	0.3	0.1	0.7	7	0.2	0.1	0.4	1	0.1	0.0	0.4
Other combustibles + smokeless	55	1.8	1.4	2.5	21	0.9	0.5	1.7	36	0.9	0.6	1.3	16	0.5	0.3	0.9
Poly use	320	10.2	9.0	11.5	230	8.2	7.0	9.6	152	3.4	2.8	4.1	54	1.9	1.4	2.6
Cigarettes + ENDS + other combustibles	162	5.2	4.3	6.2	132	4.5	3.7	5.4	87	1.9	1.4	2.4	35	1.2	0.8	1.8
Cigarettes + ENDS + smokeless	33	1.0	0.7	1.4	21	0.8	0.6	1.2	16	0.3	0.2	0.6	1	0.0	0.0	0.1
Cigarettes + other combustibles + smokeless	40	1.3	0.9	1.8	41	1.4	1.0	2.0	26	0.6	0.4	0.9	14	0.5	0.3	1.0
ENDS + other combustibles + smokeless	28	0.8	0.6	1.3	11	0.6	0.2	1.9	3	0.1	0.0	0.3	0	0.0		

All four groups	57	1.9	1.4	2.5	25	0.9	0.6	1.3	20	0.5	0.3	0.9	4	0.1	0.0	0.3
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n = unweighted sample size; % = weighted percentage

ENDS = Electronic Nicotine Delivery Systems

Supplemental Table 8. Types of other combustible products used among other combustible product users: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016)

	TUS-CPS (2014-2015)				NHIS (2015)				PATH (2015-2016)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB
Traditional cigars	3,262	78.6	77.4	79.7	996	81.2	77.8	84.1	1435	46.8	44.8	48.8
Cigarillos									1309	34.9	32.9	37.0
Filtered cigars									776	20.2	18.5	22.1
Tobacco pipe	593	12.5	11.6	13.5	359	27.8	24.1	31.8	341	9.4	8.1	10.8
Hookah	662	20.3	18.9	21.2					1388	30.8	28.8	32.9

n = unweighted sample size; % = weighted percentage

Categories are not mutually exclusive

Supplemental Table 9. Sensitivity analysis comparing the impact of different product use definitions on exclusive, dual, and polytobacco use: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016)

	TUS-CPS (2014-2015)															
	Every day or some days (n = 155,067)				1+ days in past 30 days (n = 154,876)				10+ days in past 30 days (n = 154,876)				25+ days in past 30 days (n = 154,876)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
LB			UB	LB			UB	LB			UB	LB			UB	
Non-user	127579	82.7	82.6	82.9	128,488	83.4	83.3	83.6	131,090	85.3	85.1	85.4	134,201	87.3	87.2	87.5
Exclusive use	23119	14.4	14.2	14.5	22,743	14.2	14.0	14.3	22,046	13.6	13.5	13.8	19,826	12.1	12.0	12.3
Cigarettes	17740	10.9	10.8	11.0	18,020	11.1	11.0	11.2	18,547	11.4	11.3	11.5	16,864	10.3	10.2	10.4
ENDS	1014	0.7	0.6	0.7	1,005	0.7	0.6	0.7	920	0.6	0.6	0.7	826	0.6	0.5	0.6
Other combustibles	2352	1.6	1.6	1.7	1,692	1.2	1.2	1.3	654	0.4	0.4	0.5	444	0.3	0.3	0.3

Smokeless	2013	1.2	1.1	1.2	2,026	1.2	1.1	1.2	1,925	1.1	1.1	1.2	1,692	1.0	1.0	1.0
Dual use	3937	2.6	2.5	2.6	3,346	2.2	2.1	2.3	1,683	1.1	1.0	1.1	831	0.5	0.5	0.6
Cigarettes + ENDS	2142	1.3	1.3	1.4	1,971	1.2	1.2	1.3	1,075	0.7	0.6	0.7	475	0.3	0.3	0.3
Cigarettes + other combustibles	1093	0.8	0.7	0.8	805	0.6	0.6	0.6	298	0.2	0.2	0.2	209	0.1	0.1	0.2
Cigarettes + smokeless	377	0.2	0.2	0.2	356	0.2	0.2	0.2	255	0.2	0.1	0.2	128	0.1	0.1	0.1
ENDS + other combustibles	122	0.1	0.1	0.1	81	0.1	0.1	0.1	17	0.0	0.0	0.0	11	0.0	0.0	0.0
ENDS + smokeless	41	0.0	0.0	0.0	37	0.0	0.0	0.0	23	0.0	0.0	0.0	5	0.0	0.0	0.0
Other combustibles + smokeless	162	0.1	0.1	0.1	96	0.1	0.1	0.1	15	0.0	0.0	0.0	3	0.0	0.0	0.0
Poly use	432	0.3	0.3	0.3	299	0.2	0.2	0.2	57	0.0	0.0	0.0	18	0.0	0.0	0.0
Cigarettes + ENDS + other combustibles	229	0.2	0.1	0.2	151	0.1	0.1	0.1	23	0.0	0.0	0.0	7	0.0	0.0	0.0
Cigarettes + ENDS + smokeless	71	0.1	0.0	0.1	63	0.0	0.0	0.1	22	0.0	0.0	0.0	5	0.0	0.0	0.0
Cigarettes + other combustibles + smokeless	92	0.1	0.1	0.1	60	0.0	0.0	0.1	10	0.0	0.0	0.0	5	0.0	0.0	0.0
ENDS + other combustibles + smokeless	6	0.0	0.0	0.0	2	0.0	0.0	0.0	1	0.0	0.0	0.0	0	0.0		
All four groups	34	0.0	0.0	0.0	23	0.0	0.0	0.0	1	0.0	0.0	0.0	1	0.0	0.0	0.0

Supplemental Table 9. Sensitivity analysis comparing the impact of different product use definitions on exclusive, dual, and polytobacco use: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	NHIS (2015)*
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	Every day or some days (n = 31,680)				1+ days in past 30 days (n = 31,662)				10+ days in past 30 days (n = 31,662)				25+ days in past 30 days (n = 31,662)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
			LB	UB			LB	UB			LB	UB			LB	UB
Non-user	25,105	79.7	79.0	80.3	25,330	80.5	79.8	81.2	25,944	82.6	81.9	83.2	26,643	84.8	84.2	85.4
Exclusive use	5,271	16.4	15.8	17.0	5,249	16.2	15.6	16.8	5,113	15.6	15.0	16.3	4,661	14.1	13.5	14.7
Cigarettes	3,897	11.4	10.9	11.9	3,997	11.7	11.2	12.2	4,089	12.0	11.4	12.5	3,725	10.9	10.3	11.4
ENDS	317	1.3	1.1	1.4	314	1.3	1.1	1.4	266	1.0	0.9	1.2	244	0.9	0.8	1.0
Other combustibles	635	2.3	2.1	2.6	503	1.8	1.6	2.1	333	1.2	1.0	1.4	323	1.2	1.0	1.3
Smokeless	422	1.4	1.2	1.6	435	1.4	1.2	1.7	425	1.4	1.2	1.6	369	1.2	1.0	1.5
Dual use	1,147	3.4	3.2	3.7	975	2.9	2.7	3.2	572	1.7	1.5	1.9	351	1.0	0.9	1.2
Cigarettes + ENDS	543	1.6	1.4	1.8	488	1.4	1.3	1.6	268	0.8	0.7	1.0	118	0.4	0.3	0.5
Cigarettes + other combustibles	388	1.1	0.9	1.3	306	0.9	0.8	1.0	197	0.6	0.5	0.7	176	0.5	0.4	0.6
Cigarettes + smokeless	110	0.4	0.3	0.5	109	0.4	0.3	0.5	76	0.2	0.2	0.3	38	0.1	0.1	0.2
ENDS + other combustibles	31	0.1	0.1	0.2	24	0.1	0.0	0.1	13	0.0	0.0	0.1	8	0.0	0.0	0.0
ENDS + smokeless	12	0.0	0.0	0.1	13	0.0	0.0	0.1	7	0.0	0.0	0.1	3	0.0	0.0	0.0
Other combustibles + smokeless	63	0.2	0.1	0.3	35	0.1	0.1	0.2	11	0.0	0.0	0.1	8	0.0	0.0	0.0
Poly use	157	0.5	0.4	0.7	108	0.4	0.3	0.5	33	0.1	0.1	0.2	7	0.0	0.0	0.1
Cigarettes + ENDS + other combustibles	89	0.3	0.2	0.4	68	0.2	0.2	0.3	22	0.1	0.0	0.2	4	0.0	0.0	0.1
Cigarettes + ENDS + smokeless	20	0.1	0.0	0.1	12	0.0	0.0	0.1	3	0.0	0.0	0.0	0	0.0	0.0	0.0

Cigarettes + other combustibles + smokeless	34	0.1	0.1	0.2	21	0.1	0.0	0.1	7	0.0	0.0	0.0	3	0.0	0.0	0.0
ENDS + other combustibles + smokeless	4	0.0	0.0	0.0	1	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
All four groups	10	0.0	0.0	0.1	6	0.0	0.0	0.1	1	0.0	0.0	0.0	0	0.0	0.0	0.0

Supplemental Table 9. Sensitivity analysis comparing the impact of different product use definitions on exclusive, dual, and polytobacco use: TUS-CPS (2014-2015), NHIS (2015), and PATH (2015-2016) – CONTINUED

	PATH (2015-2016)															
	Every day or some days (n = 28,070)				1+ days in past 30 days (n = 28,019)				10+ days in past 30 days (n = 28,019)				25+ days in past 30 days (n = 28,019)			
	n	%	95% CI		n	%	95% CI		n	%	95% CI		n	%	95% CI	
LB			UB	LB			UB	LB			UB	LB			UB	
Non-user	15,693	74.6	73.9	75.2	16,258	75.9	75.3	76.5	18,064	79.8	79.2	80.4	19,049	81.8	81.2	82.3
Exclusive use	8,906	18.9	18.4	19.5	9,038	19.0	18.5	19.6	8,862	18.1	17.6	18.7	8,374	17.1	16.6	17.6
Cigarettes	6,089	12.8	12.3	13.3	6,522	13.6	13.1	14.1	7,072	14.3	13.8	14.8	6,780	13.7	13.2	14.2
ENDS	726	1.4	1.3	1.6	747	1.5	1.4	1.6	717	1.4	1.3	1.5	660	1.3	1.2	1.5
Other combustibles	1,416	3.1	2.9	3.3	1,052	2.2	2.0	2.4	338	0.7	0.6	0.8	249	0.5	0.4	0.6
Smokeless	675	1.6	1.5	1.8	717	1.7	1.5	1.9	735	1.7	1.5	1.9	685	1.6	1.4	1.7
Dual use	2,715	5.2	4.9	5.4	2,260	4.3	4.1	4.5	1,006	2.0	1.8	2.1	569	1.1	1.0	1.2
Cigarettes + ENDS	904	1.8	1.7	2.0	827	1.7	1.5	1.8	442	0.9	0.8	1.0	227	0.5	0.4	0.5
Cigarettes + other combustibles	1,049	2.0	1.8	2.1	857	1.6	1.4	1.7	318	0.6	0.5	0.7	207	0.4	0.3	0.5
Cigarettes + smokeless	233	0.5	0.4	0.6	243	0.5	0.4	0.6	157	0.3	0.3	0.4	82	0.2	0.1	0.2
ENDS + other combustibles	366	0.6	0.5	0.7	225	0.4	0.3	0.4	38	0.1	0.0	0.1	26	0.0	0.0	0.1

ENDS + smokeless	35	0.1	0.0	0.1	38	0.1	0.0	0.1	29	0.1	0.0	0.1	19	0.0	0.0	0.1
Other combustibles + smokeless	128	0.2	0.2	0.3	70	0.1	0.1	0.2	22	0.0	0.0	0.1	8	0.0	0.0	0.0
Poly use	756	1.3	1.2	1.4	463	0.8	0.7	0.9	87	0.1	0.1	0.2	27	0.0	0.0	0.1
Cigarettes + ENDS + other combustibles	416	0.7	0.6	0.8	257	0.4	0.4	0.5	38	0.1	0.0	0.1	10	0.0	0.0	0.0
Cigarettes + ENDS + smokeless	71	0.1	0.1	0.2	57	0.1	0.1	0.1	26	0.0	0.0	0.1	2	0.0	0.0	0.0
Cigarettes + other combustibles + smokeless	121	0.2	0.2	0.3	66	0.1	0.1	0.1	12	0.0	0.0	0.0	7	0.0	0.0	0.0
ENDS + other combustibles + smokeless	42	0.1	0.0	0.1	29	0.0	0.0	0.0	2	0.0	0.0	0.0	2	0.0	0.0	0.0
All four groups	106	0.2	0.1	0.2	54	0.1	0.1	0.1	9	0.0	0.0	0.0	6	0.0	0.0	0.0

All definitions use established use criteria (100+ lifetime cigarettes) to define current cigarette smokers

Due to variations in skip patterns across surveys, all respondents who reported using a product every day were coded as using that product on 30 out of 30 days and all respondents who reported using a product not at all were coded as using that product on 0 out of 30 days

*pipes defined as every day some day across definitions