

UTUS 2022 FIRST HALF-YEAR TOPLINE RESULTS

About the survey

Altria Client Services LLC launched the Underage Tobacco Use Survey (UTUS) during quarter 2 (April to June) of 2020 after pilot testing the survey during quarter 1 (January to March 2020). Data collection has been conducted since and will continue quarterly for the foreseeable future. The UTUS provides timely data covering new and existing tobacco product categories among household-dwelling individuals 13-20 years of age and living in the United States. Data from UTUS are used to support ALCS' regulatory requirements for certain FDA-authorized products and informs ALCS' underage use prevention strategies.

A brief product description (no images) was provided for each of the nine tobacco product categories assessed, except for cigarettes, to help respondents correctly identify the respective tobacco product category. Product descriptions and survey questions of awareness, ever use, and recency of use are shown in the table below.

Tobacco product category	Product Description	Survey questions		
		Awareness	Ever use	Recency of Use
E-Cigarettes	The next question is about electronic cigarettes or e-cigarettes, such as JUUL®, Vuse®, blu®, and Logic™. E-Cigarettes are battery-powered devices that usually contain a nicotine-based liquid that is vaporized and inhaled. You may also know them as e-cigs, vape-pens, e-hookahs, vapes or mods.	Have you ever seen or heard of e-cigarettes before this study?	Have you ever used an e-cigarette, even once or twice?	When was the last time you used an e-cigarette, even one or two times?
Cigarettes		Have you ever seen or heard of cigarettes (ones that have to be lit and burned) before this study?	Have you ever smoked a cigarette, even one or two puffs?	When was the last time you smoked a cigarette, even one or two puffs?
Cigars	The next question is about the use of cigars, cigarillos, or little cigars such as Swisher Sweets®, Black and Mild®, Garcia y Vega®, Cheyenne™, White Owl®, or Dutch Masters®	Have you ever seen or heard of cigars, cigarillos, or little cigars before this study?	Have you ever smoked a cigar, cigarillo, or little cigar, even one or two puffs?	When was the last time you smoked a cigar, cigarillo, or little cigar, even one or two puffs?
Chewing tobacco, snuff, or dip	The following question is about the use of chewing tobacco, snuff, or dip, such as Copenhagen®, Grizzly®, Skoal®, or Longhorn®. Do not think about snus or dissolvable tobacco products when answering this question.	Have you ever seen or heard of chewing tobacco, snuff, or dip before this study?	Have you ever used chewing tobacco, snuff, or dip, even just a small amount?	When was the last time you used chewing tobacco, snuff, or dip?

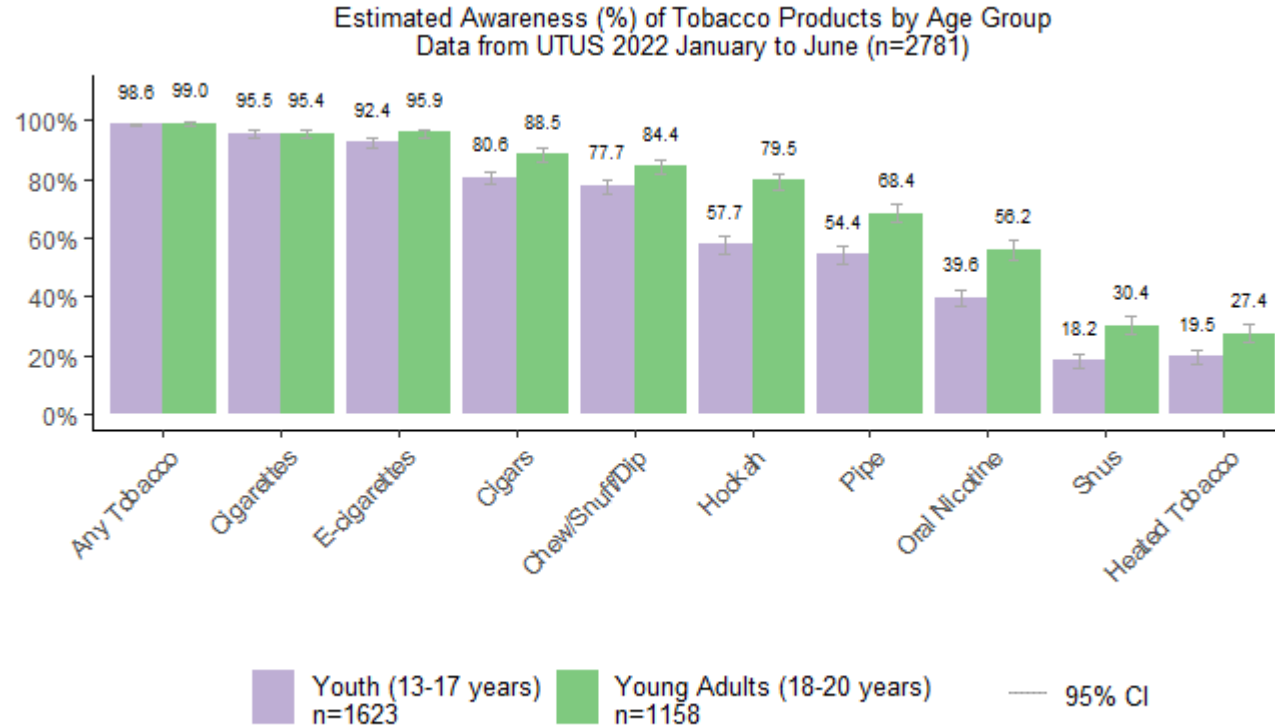
Tobacco product category	Product Description	Survey questions		
		Awareness	Ever use	Recency of Use
Hookah	The next question is about smoking tobacco in a hookah, which is a type of waterpipe. Shisha (or hookah tobacco) is smoked in a hookah.	Have you ever seen or heard of smoking tobacco in a hookah or waterpipe before this study?	Have you ever smoked tobacco in a hookah or waterpipe, even one or two puffs?	When was the last time you smoked tobacco in a hookah or waterpipe, even one or two puffs?
Pipe tobacco	The following question is about pipes filled with tobacco (not hookah or waterpipe).	Have you ever seen or heard of pipes filled with tobacco (not hookah or waterpipe) before this study?	Have you ever used pipes filled with tobacco (not hookah or waterpipe), even just one time?	When was the last time you smoked a pipe filled with tobacco, even one or two puffs?
Snus	The next question is about snus, which is a type of smokeless tobacco product. It usually comes in small pouches, although some snus may be sold as loose snus. Typically, with most kinds of smokeless tobacco, you spit, but you do not need to spit when using snus. Common brands include Camel Snus® or General Snus®. Do not think about chewing tobacco, snuff, or dip when answering this question.	Have you ever seen or heard of snus before this study?	Have you ever used Snus, such as Camel Snus or General Snus, even just one time?	When was the last time you used snus, even one or two pouches?
Heated tobacco products	The next question is about heated tobacco products. Some people refer to these products as “heat-not-burn” tobacco products. “Heated tobacco products” heat tobacco sticks or capsules to produce a vapor. They are different from e-cigarettes, which heat a liquid to produce a vapor. Some brands of “heated tobacco products” include IQOS®, glo™, and Eclipse®.	Have you ever seen or heard of “heated tobacco products” before this study?	Have you ever used a “heated tobacco product”, even just one time?	When was the last time you used a heated tobacco product, even one or two times?
Oral nicotine products	The next question is about “oral nicotine products”. These products might come in pouches such as on! ® or Zyn™, lozenges, chewables and other oral forms. Do not think about chewing tobacco, snuff, dip, snus, or products used to quit tobacco such as nicotine gum, Nicorette® or Nicoderm® when answering this question.	Have you ever seen or heard of “oral nicotine products” before this study?	Have you ever used an oral nicotine product, even just one time?	When was the last time you used an oral nicotine product, even one or two times?

2022 First Half-Year Estimates

Estimates shown below are from UTUS 2022 combining quarters 1 and 2 data (January to June 2022). Data are weighted to account for selection probabilities, non-response patterns, and adjustments to person-level population totals. Taylor series approximation was used for variance estimation.

Awareness

For each tobacco product category described in the table above, awareness was assessed via a series of questions in the form of “*Have you ever seen or heard of ... before this study*”. Awareness of any tobacco was defined as being aware of one or more of the nine tobacco categories assessed. Overall, among 13- to 20-year-olds, our data show high awareness of cigarettes, e-cigarettes, cigars, and chewing tobacco/snuff/dip. Awareness was lowest for snus and heated tobacco products.



Note: sample size may vary slightly across product categories due to missing responses
'Any Tobacco' indicates awareness of any of these products.

Table 1

Estimated Proportion of 13- to 20-year-Olds Who Reported Having Heard of Tobacco Products, by Product Category and Age Group - Underage Tobacco Use Survey, January-June 2022

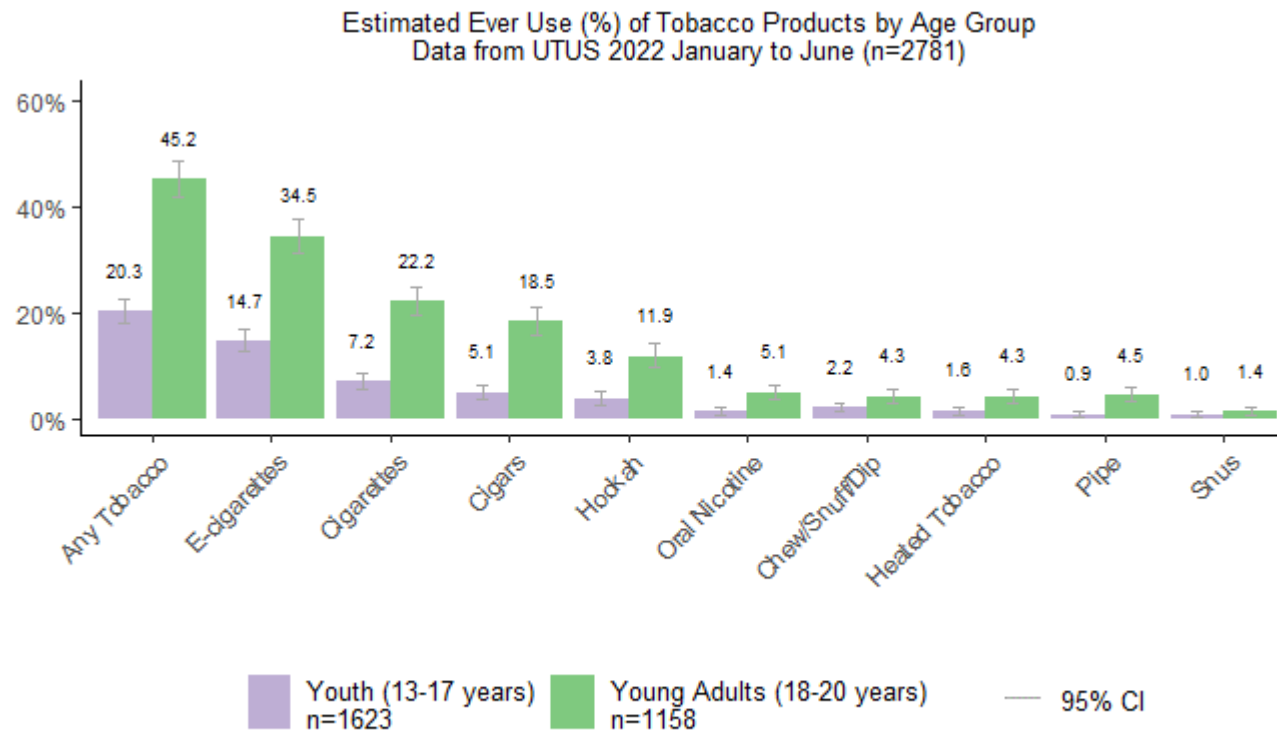
	Ages 13-17			Ages 18-20		
Product Category	Estimated Awareness (%)	95% CI (LL)	95% CI (UL)	Estimated Awareness (%)	95% CI (LL)	95% CI (UL)
E-cigarettes	92.38	90.72	93.76	95.86	94.30	97.00
Cigarettes	95.47	94.06	96.56	95.44	93.85	96.63
Cigars	80.61	78.19	82.81	88.46	86.09	90.47
Chew/Snuff/Dip	77.72	75.15	80.10	84.43	81.72	86.80
Hookah	57.68	54.81	60.51	79.52	76.63	82.14
Pipe	54.36	51.43	57.27	68.44	65.22	71.49
Snus	18.20	16.07	20.54	30.35	27.42	33.46
Heated Tobacco	19.51	17.34	21.89	27.38	24.53	30.43
Oral Nicotine	39.62	36.85	42.46	56.19	52.85	59.48
Any Tobacco	98.65	97.83	99.16	98.96	97.91	99.48

Note. For each product category, awareness was determined by asking, “Have you ever seen or heard of [...] even before this study?”. Any Tobacco awareness was defined as having seen or heard of one or more of the nine tobacco products. Abbreviations: CI = confidence interval, LL = lower limit of confidence interval; UL = upper limit of confidence interval.

Ever Use

For each tobacco product category, ever use was defined as ever using the product, even just once, and assessed via a series of questions listed in the table above. Ever use of any tobacco product was defined as having ever used one or more of the nine individual tobacco categories assessed.

Ever use of e-cigarettes was most common, followed by ever use of cigarettes, cigars, and hookah. In general, ever using tobacco rates were higher among young adults (18-20 years old) relative to youth (13-17 years old).



Note: sample size may vary slightly across product categories due to missing responses
'Any Tobacco' indicates ever use of any of these products.

Table 2

Estimated Proportion of 13- to 20-year-Olds Who Reported Ever Using Tobacco Products, by Product Category and Age Group - Underage Tobacco Use Survey, January-June 2022

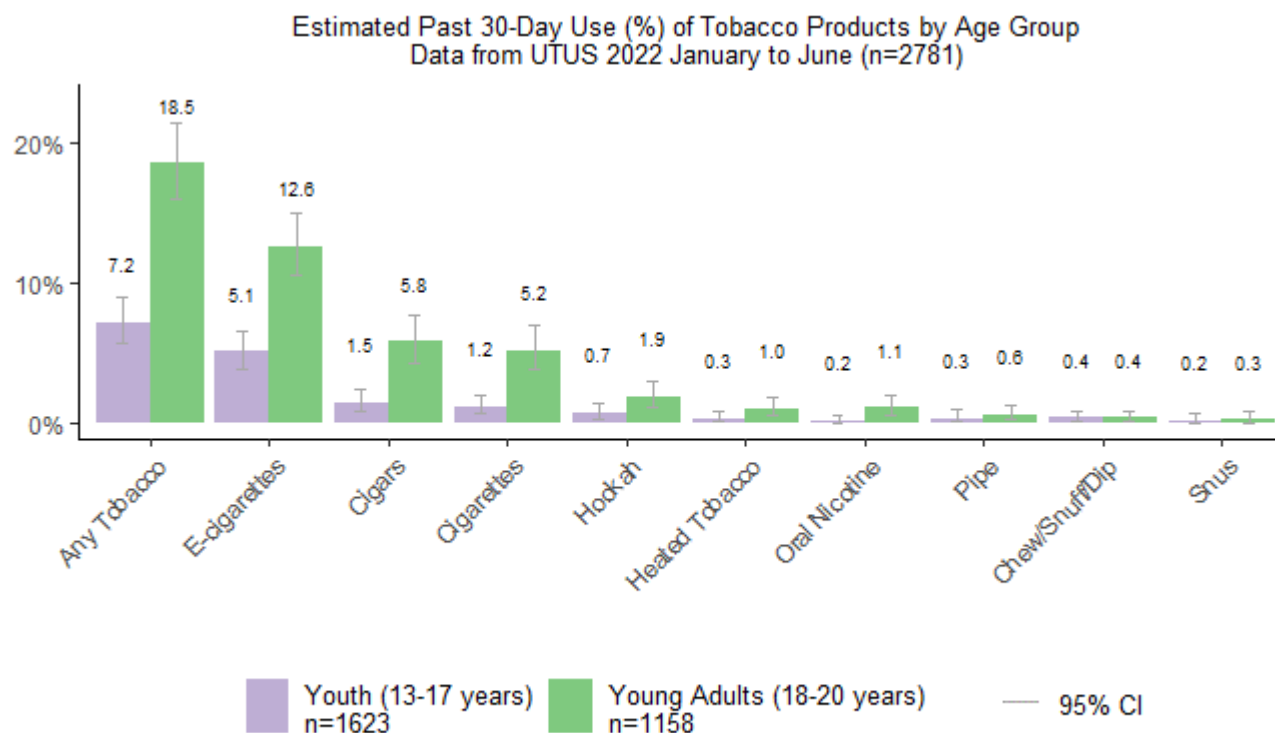
	Ages 13-17			Ages 18-20		
Product Category	Estimated Ever Use (%)	95% CI (LL)	95% CI (UL)	Estimated Ever Use (%)	95% CI (LL)	95% CI (UL)
E-cigarettes	14.72	12.81	16.87	34.49	31.38	37.74
Cigarettes	7.17	5.85	8.76	22.21	19.55	25.12
Cigars	5.11	3.93	6.60	18.51	16.02	21.28
Chew/Snuff/Dip	2.20	1.54	3.13	4.26	3.19	5.67
Hookah	3.84	2.84	5.18	11.91	9.86	14.31
Pipe	0.93	0.53	1.61	4.53	3.34	6.11
Snus	0.96	0.54	1.70	1.42	0.88	2.29
Heated Tobacco	1.55	0.99	2.43	4.30	3.18	5.79
Oral Nicotine	1.43	0.93	2.21	5.07	3.90	6.58
Any Tobacco	20.35	18.04	22.86	45.24	41.94	48.58

Note. For each product category, ever use was determined by asking, “Have you ever used [...], even once or twice?”. Any Tobacco was defined as ever use of one or more of the nine tobacco products. Abbreviations: CI = confidence interval, LL = lower limit of confidence interval; UL = upper limit of confidence interval.

Current (past 30-day) Use

For each product category, current use was defined as use on ≥ 1 day during the past 30 days and assessed via a series of questions listed in the table above. For example, responses of “earlier today,” “not today but sometime during the past 7 days,” and “Not during the past 7 days but sometime during the past 30 days” comprised current use. Current use of any tobacco was defined as use of one or more of the nine tobacco categories assessed during the past 30 days.

E-cigarettes were the most commonly used tobacco product among both youth (13-17 years) and young adults (18-20 years), followed by current use of cigars and cigarettes. Past 30-day use of any tobacco product was reported by 7.2% of the 13- to 17-year-olds and 18.5% of the 18-to 20-year-olds.



Note: sample size may vary slightly across product categories due to missing responses
'Any Tobacco' indicates current use of any of these products.

Table 3

Estimated Proportion of 13- to 20-year-Olds Who Reported Current (Past 30-Day) Tobacco Product Use, by Product Category and Age Group - Underage Tobacco Use Survey, January-June 2022

	Ages 13-17			Ages 18-20		
Product Category	Estimated Past 30-Day Use (%)	95% CI (LL)	95% CI (UL)	Estimated Past 30-Day Use (%)	95% CI (LL)	95% CI (UL)
E-cigarettes	5.10	3.92	6.61	12.62	10.60	14.97
Cigarettes	1.20	0.70	2.03	5.16	3.81	6.96
Cigars	1.49	0.90	2.45	5.82	4.34	7.76
Chew/Snuff/Dip	0.41	0.20	0.87	0.39	0.16	0.93
Hookah	0.74	0.38	1.45	1.86	1.12	3.07
Pipe	0.34	0.12	0.98	0.62	0.30	1.29
Snus	0.18	0.04	0.73	0.27	0.09	0.84
Heated Tobacco	0.33	0.12	0.86	1.01	0.56	1.81
Oral Nicotine	0.18	0.05	0.63	1.13	0.63	2.03
Any Tobacco	7.16	5.67	9.01	18.47	15.93	21.32

Note. For each product category, ever use was determined by asking, “When was the last time you used [...], even once or twice?”. Any Tobacco was defined as use of one or more of the nine tobacco products on ≥ 1 day during the past 30 days. Abbreviations: CI = confidence interval, LL = lower limit of confidence interval; UL = upper limit of confidence interval.

Considerations

Methodological differences preclude direct comparisons of UTUS results with other national surveys (e.g., National Youth Tobacco Survey¹), including the time period when data were collected, survey setting (household survey vs. school survey), population under study (household dwelling individuals vs. school-attending individuals), mode of administration, etc. Nonetheless, results from the UTUS are in line with results from other national surveys in that e-cigarettes were the most commonly used tobacco product among individuals while chew/snuff/dip, snus, pipe, oral nicotine, and heated tobacco product use was less common, and young adults in general were more likely to use tobacco products compared to youth.

¹The most recent NYTS (2021) was administered as an online survey for the first time and completed by youth online during class time, either while physically in school or at home. According to the authors, results cannot be compared with previous NYTS survey results due to differing survey settings because of the COVID-19 pandemic restrictions. (Gentzke, A. S., Wang, T. W., Cornelius, M., Park-Lee, E., Ren, C., Sawdey, M. D., . . . Homa, D. M. (2022). Tobacco Product Use and Associated Factors Among Middle and High School Students - National Youth Tobacco Survey, United States, 2021. *MMWR Surveill Summ*, 71(5), 1-29. doi:10.15585/mmwr.ss7105a1). Follow-up research further demonstrated that survey setting is a methodological artifact in the 2021 NYTS with significant differences found between those who completed the same survey at home or in school (Chen-Sankey, J., Bover Manderski, M. T., Young, W. J., & Delnevo, C. D. (2022). Examining the Survey Setting Effect on Current E-Cigarette Use Estimates among High School Students in the 2021 National Youth Tobacco Survey. *International Journal of Environmental Research and Public Health*, 19(11). doi:10.3390/ijerph19116468).