

Surveillance Summary: Youth Tobacco Use—Selected U.S. States, 2012-2013

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Methods

Data Source

The Youth Tobacco Survey (YTS) is a state-based survey that collects data about tobacco use and other tobacco-related topics from students in grades 6 through 12. Individual state departments of health plan and implement the survey with assistance from the CDC Office on Smoking and Health. The YTS is intended to enhance the capacity of state agencies and organizations to design, implement, and evaluate tobacco prevention and control programs, which are intended to prevent young people from using tobacco and to help current users quit.

The YTS is designed to protect student privacy by ensuring that student participation is anonymous and voluntary. The survey is administered during a single class period. Students complete a self-administered questionnaire in the classroom and record their responses on an answer sheet or booklet. The YTS questionnaire contains questions on tobacco use (cigarettes, cigars, pipes, smokeless tobacco, and bidis), exposure to secondhand smoke, smoking cessation, tobacco-related school curriculum, minors' ability to purchase or obtain tobacco products, knowledge and attitudes about tobacco, and familiarity with pro-tobacco and anti-tobacco media messages. Before the survey is conducted, parental permission is obtained.

Sampling

The 2012-2013 -state-specific YTS employed a two-stage cluster sample design. The first-stage sampling frame included separate lists of middle schools and high schools containing any of the eligible grades of public schools. Schools were selected with probability proportional to school enrollment size. The number of schools selected varied by state. At the second sampling stage, classes were randomly selected from a class schedule provided by each participating school. Class schedules were constructed to ensure that all students in the eligible grades were counted once only. All students in the selected classes were eligible to participate in the survey. The number of classes selected varied by state.

Data Collection

Twenty states conducted the YTS during 2012-2013. Not all states were able to report both high school and middle school data, and data for some states were omitted because those states failed to achieve response rates $\geq 60\%$.

Data for states that achieved overall response rates of $\geq 60\%$ were weighted to adjust for nonresponse and varying probabilities of selection and to ensure that the sample reflected the entire state population proportions for school level (middle or high), sex (male or female), and race (white, black, Hispanic, and other). Thus, weighted estimates were representative samples of middle school and high school students in the respective state. In 2012, YTS student sample sizes ranged from 941 to 2,461. School response rates ranged from 70.8% to 100.0 %, student response rates ranged from 79.0% to 91.3%; and overall response rates ranged from 60.3% to 91.3%. In 2013, YTS student sample sizes ranged from 1,209- to 4,092. School response rates ranged from 68.1% to 100.0 %, student response rates ranged from 60.4% to 93.7%; and overall response rates ranged from 60.4% to 85.5% (Table 1).

Analysis

SAS-callable SUDAAN 10 (RTI International, Research Park, NC) was used to compute estimates and 95% confidence intervals (CI). Results with < 35 cases in the denominator were considered imprecise and are not presented.

Table 1. Sample sizes and response rates for middle schools and high schools, by state—Youth Tobacco Survey, 2012–2013

State	Student Sample Size (n) ^a		School Response Rate (%)		Student Response Rate (%)		Overall Response Rate (%)	
	2012	2013	2012	2013	2012	2013	2012	2013
Middle School								
Alabama	1485	-	92.00	-	85.10	-	78.29	-
Arizona	-	1209	-	90.00	-	88.63	-	79.77
Connecticut	-	2946	-	82.00	-	88.84	-	72.85
Delaware	2431	-	100.00	-	91.28	-	91.28	-
Georgia	-	2100	-	83.67	-	93.70	-	78.40
Hawaii	-	1980	-	100.00	-	67.20	-	67.20
Indiana	-	2483	-	74.13	-	91.99	-	68.20
Kansas	-	1731	-	68.05	-	89.41	-	60.84
Mississippi	1739	-	82.00	-	83.68	-	68.62	-
Missouri	-	1838	-	76.19	-	87.06	-	66.33
North Carolina	-	3927	-	88.23	-	85.53	-	75.47
North Dakota	-	2008	-	94.59	-	90.36	-	85.48
Ohio	941	-	70.83	-	86.40	-	61.20	-
Oklahoma	-	3080	-	86.20	-	83.60	-	72.07
South Carolina	-	1605	-	74.00	-	85.37	-	63.17
South Dakota	-	2014	-	83.33	-	88.52	-	73.77
West Virginia	-	2224	-	98.00	-	82.67	-	81.02
Wisconsin	1741	-	84.00	-	86.83	-	72.93	-
High School								
Alabama	1500	-	96.00	-	81.52	-	78.26	-
Connecticut	-	2488	-	85.18	-	85.03	-	72.43
Delaware	2252	-	95.00	-	84.31	-	80.09	-
Georgia	-	1776	-	70.00	-	89.56	-	62.69
Hawaii	-	1455	-	100.00	-	60.42	-	60.42
Indiana	-	2718	-	78.33	-	83.34	-	65.28
Mississippi	1657	-	82.00	-	82.64	-	67.76	-
Nebraska	2461	-	81.66	-	78.95	-	64.47	-
New Jersey	1850	-	72.97	-	82.66	-	60.32	-
North Carolina	-	4092	-	81.37	-	83.37	-	67.84
North Dakota	-	2048	-	93.93	-	87.22	-	81.93
South Carolina	-	1609	-	78.00	-	84.02	-	65.53
West Virginia	-	1685	-	100.00	-	81.51	-	81.51
Wisconsin	1539	-	80.00	-	82.60	-	66.08	-

^a Number who completed the survey.

Table 2. Percentage of middle school and high school students who were current tobacco users^a, by product and state—Youth Tobacco Survey, 2012–2013

State	Any Tobacco ^b		Cigarettes		Cigars		Smokeless Tobacco		Pipes		Bidis	
	% (95%CI)		% (95%CI)		% (95%CI)		% (95%CI)		% (95%CI)		% (95%CI)	
	2012	2013	2012	2013	2012	2013	2012	2013	2012	2013	2012	2013
Middle school												
Alabama	14.0 (±2.9)	-	7.5 (±1.9)	-	6.0 (±1.7)	-	5.7 (±1.8)	-	3.7 (±1.2)	-	1.7 (±0.7)	-
Arizona	-	6.8 (±1.6)	-	3.3 (±1.1)	-	3.0 (±0.7)	-	2.2 (±0.8)	-	4.2 (±1.6)	-	2.2 (±1.2)
Connecticut	-	2.4 (±0.9)	-	1.4 (±0.7)	-	1.3 (±0.7)	-	0.7 (±0.6)	-	0.9 (±0.7)	-	0.5 (±0.6)
Delaware	7.2 (±1.5)	-	4.1 (±1.2)	-	3.4 (±1.3)	-	1.9 (±0.6)	-	2.0 (±0.7)	-	0.8 (±0.5)	-
Georgia	-	9.4 (±1.8)	-	3.2 (±1.1)	-	4.4 (±1.3)	-	3.5 (±1.0)	-	2.9 (±1.1)	-	1.3 (±0.5)
Hawaii	-	6.4 (±2.4)	-	4.0 (±1.7)	-	1.1 (±1.0)	-	1.5 (±1.2)	-	2.7 (±0.8)	-	1.1 (±0.5)
Indiana	-	5.9 (±1.4)	-	3.7 (±1.0)	-	2.4 (±0.7)	-	1.5 (±0.6)	-	1.6 (±0.6)	-	0.7 (±0.4)
Kansas	-	2.7 (±1.0)	-	1.2 (±0.8)	-	0.7 (±0.3)	-	1.2 (±0.6)	-	0.9 (±0.5)	-	0.4 (±0.4)
Mississippi	10.6 (±2.8)	-	5.8 (±1.8)	-	4.2 (±1.5)	-	4.8 (±1.9)	-	1.9 (±0.8)	-	0.9 (±0.4)	-
Missouri	-	6.0 (±1.7)	-	4.0 (±1.3)	-	2.1 (±0.7)	-	2.2 (±0.8)	-	1.5 (±0.6)	-	0.6 (±0.4)
North Carolina	-	6.1 (±1.2)	-	2.5 (±0.7)	-	2.3 (±0.7)	-	2.1 (±0.6)	-	2.0 (±0.5)	-	0.8 (±0.3)
North Dakota	-	6.0 (±1.6)	-	3.4 (±1.0)	-	1.5 (±0.6)	-	2.6 (±0.9)	-	2.1 (±0.7)	-	0.5 (±0.3)
Ohio	6.0 (±2.1)	-	3.7 (±1.5)	-	2.6 (±1.7)	-	2.5 (±0.9)	-	1.8 (±1.5)	-	0.4 (±0.4)	-
Oklahoma	-	9.8 (±2.2)	-	4.8 (±1.1)	-	3.8 (±1.2)	-	5.2 (±1.5)	-	3.2 (±1.0)	-	1.7 (±0.6)
South Carolina	-	9.7 (±2.0)	-	4.8 (±1.2)	-	4.8 (±1.4)	-	3.5 (±1.4)	-	2.6 (±0.6)	-	0.9 (±0.5)
South Dakota	-	6.4 (±2.7)	-	3.5 (±1.7)	-	1.6 (±0.7)	-	3.3 (±1.6)	-	2.2 (±1.2)	-	0.7 (±0.5)
West Virginia	-	13.4 (±3.1)	-	7.5 (±2.1)	-	4.5 (±1.3)	-	8.1 (±2.3)	-	2.8 (±1.0)	-	0.9 (±0.3)
Wisconsin	3.8 (±1.0)	-	2.5 (±0.8)	-	1.6 (±0.7)	-	1.2 (±0.5)	-	1.3 (±0.6)	-	0.4 (±0.3)	-
Median	7.2	6.4	4.1	3.5	3.4	2.3	2.5	2.2	1.9	2.2	0.8	0.8
High School												
Alabama	31.6 (±3.6)	-	19.3 (±3.0)	-	16.0 (±2.8)	-	12.6 (±2.4)	-	6.4 (±1.4)	-	2.5 (±1.2)	-
Connecticut	-	16.8 (±2.1)	-	8.9 (±1.7)	-	9.0 (±1.4)	-	4.9 (±1.0)	-	4.8 (±1.0)	-	1.8 (±0.6)
Delaware	20.7 (±2.3)	-	14.1 (±2.1)	-	10.2 (±1.6)	-	4.4 (±0.9)	-	2.4 (±0.7)	-	1.1 (±0.5)	-
Georgia	-	21.7 (±2.7)	-	12.0 (±2.6)	-	11.3 (±1.7)	-	5.4 (±1.5)	-	5.9 (±1.2)	-	1.8 (±0.7)
Hawaii	-	10.7 (±2.4)	-	5.8 (±2.4)	-	3.2 (±1.2)	-	2.6 (±1.4)	-	4.5 (±1.2)	-	1.3 (±0.7)
Indiana	-	22.0 (±2.7)	-	13.7 (±2.4)	-	11.6 (±2.0)	-	6.6 (±1.3)	-	5.3 (±1.2)	-	1.5 (±0.7)
Mississippi	27.6 (±3.8)	-	18.1 (±4.0)	-	11.9 (±2.0)	-	9.6 (±2.9)	-	4.3 (±1.2)	-	1.4 (±1.0)	-
Nebraska	18.1 (±2.9)	-	11.7 (±2.2)	-	7.0 (±1.5)	-	6.6 (±1.9)	-	3.3 (±0.8)	-	1.2 (±0.7)	-
New Jersey	15.0 (±2.7)	-	9.3 (±2.4)	-	6.3 (±1.3)	-	3.4 (±1.1)	-	5.2 (±1.4)	-	c	-
North Carolina	-	24.5 (±1.9)	-	13.5 (±1.5)	-	12.6 (±1.4)	-	8.3 (±1.5)	-	7.2 (±1.0)	-	2.2 (±0.7)
North Dakota	-	23.8 (±3.4)	-	16.2 (±3.4)	-	8.4 (±1.7)	-	10.0 (±1.5)	-	4.6 (±1.2)	-	1.4 (±0.6)
South Carolina	-	27.1 (±2.6)	-	15.3 (±2.9)	-	14.0 (±2.1)	-	8.8 (±1.6)	-	5.8 (±1.5)	-	1.9 (±0.5)
West Virginia	-	28.8 (±3.3)	-	18.6 (±2.7)	-	11.9 (±2.0)	-	14.7 (±2.6)	-	4.1 (±1.2)	-	1.2 (±0.4)
Wisconsin	19.4 (±2.7)	-	13.1 (±2.5)	-	9.2 (±1.5)	-	5.8 (±1.4)	-	4.9 (±1.1)	-	1.6 (±0.7)	-
Median	20.1	22.9	13.6	13.6	9.7	11.4	6.2	7.4	4.6	5.0	1.4	1.6

Abbreviations: CI = confidence interval;

^a Current use was use on at least 1 day during the 30 days before the survey. Current cigarette use was determined by asking, “During the past 30 days, on how many days did you smoke cigarettes?” Current cigar use was determined by asking, “During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars?”

Current use of smokeless tobacco was determined by asking, “During the past 30 days, on how many days did you use chewing tobacco, snuff, or dip?” Current pipe use was determined by asking, “During the past 30 days, on how many days did you smoke tobacco in a pipe?” Current use of bidis was determined by asking, “During the past 30 days, on how many days did you smoke bidis?”

^b Use of cigarettes, cigars, smokeless tobacco, pipes, or bidis on at least 1 day during the 30 days before the survey.

^c Question was not asked in the questionnaire.

Table 3. Percentage of students who have ever smoked cigarettes and who smoked ≥ 100 cigarettes in their lifetime; and the percentage of all middle school and high school students who frequently used cigarettes, cigars, smokeless tobacco, pipes, or bidis, by state—Youth Tobacco Survey, 2012–2013

State	Ever Cigarette Smokers Who Have Smoked ≥ 100 Cigarettes in Lifetime ^a		All Students Who Frequently Use Tobacco ^b									
			Cigarettes		Cigars		Smokeless Tobacco		Pipe		Bidis	
			% (95% CI)		% (95% CI)		% (95% CI)		% (95% CI)		% (95% CI)	
Middle School	2012	2013	2012	2013	2012	2013	2012	2013	2012	2013	2012	2013
Alabama	10.3 (± 4.2)	-	1.8 (± 0.8)	-	1.1 (± 0.6)	-	2.0 (± 1.2)	-	1.2 (± 0.7)	-	0.5 (± 0.4)	-
Arizona	-	4.4 (± 3.5)	-	0.5 (± 0.5)	-	0.5 (± 0.7)	-	0.3 (± 0.4)	-	0.8 (± 0.4)	-	0.9 (± 1.0)
Connecticut	-	7.4 (± 5.6)	-	0.4 (± 0.3)	-	0.4 (± 0.6)	-	0.4 (± 0.6)	-	0.4 (± 0.6)	-	0.4 (± 0.6)
Delaware	6.2 (± 2.5)	-	0.8 (± 0.5)	-	0.6 (± 0.4)	-	0.6 (± 0.4)	-	0.6 (± 0.3)	-	0.3 (± 0.3)	-
Georgia	-	6.3 (± 3.0)	-	0.6 (± 0.4)	-	0.8 (± 0.4)	-	1.0 (± 0.6)	-	1.0 (± 0.5)	-	0.3 (± 0.3)
Hawaii	-	2.5 (± 2.3)	-	0.2 (± 0.2)	-	0.1 (± 0.1)	-	0.2 (± 0.2)	-	0.4 (± 0.5)	-	0.3 (± 0.5)
Indiana	-	8.9 (± 3.8)	-	0.6 (± 0.3)	-	0.3 (± 0.2)	-	0.2 (± 0.2)	-	0.3 (± 0.2)	-	0.1 (± 0.1)
Kansas	-	2.7 (± 2.6)	-	0.2 (± 0.2)	-	0.1 (± 0.2)	-	0.1 (± 0.1)	-	0.3 (± 0.4)	-	0.2 (± 0.2)
Mississippi	6.3 (± 3.0)	-	0.7 (± 0.4)	-	0.1 (± 0.2)	-	0.8 (± 0.5)	-	0.3 (± 0.3)	-	0.4 (± 0.3)	-
Missouri	-	8.4 (± 4.9)	-	0.8 (± 0.4)	-	0.2 (± 0.3)	-	0.6 (± 0.2)	-	0.2 (± 0.2)	-	0.2 (± 0.2)
North Carolina	-	3.8 (± 1.9)	-	0.4 (± 0.2)	-	0.2 (± 0.1)	-	0.3 (± 0.2)	-	0.2 (± 0.2)	-	0.2 (± 0.2)
North Dakota	-	6.2 (± 2.8)	-	0.6 (± 0.4)	-	0.3 (± 0.2)	-	0.5 (± 0.4)	-	0.3 (± 0.3)	-	0.2 (± 0.1)
Ohio	9.1 (± 6.2)	-	0.4 (± 0.5)	-	0.4 (± 0.3)	-	0.4 (± 0.3)	-	0.2 (± 0.2)	-	0.2 (± 0.2)	-
Oklahoma	-	6.7 (± 2.8)	-	0.9 (± 0.4)	-	0.6 (± 0.4)	-	1.5 (± 0.7)	-	0.9 (± 0.5)	-	0.7 (± 0.3)
South Carolina	-	7.6 (± 2.7)	-	1.1 (± 0.6)	-	0.5 (± 0.3)	-	0.8 (± 0.6)	-	0.2 (± 0.3)	-	0.2 (± 0.2)
South Dakota	-	5.4 (± 3.2)	-	0.4 (± 0.3)	-	0.3 (± 0.2)	-	0.5 (± 0.4)	-	0.3 (± 0.3)	-	0.3 (± 0.3)
West Virginia	-	10.5 (± 2.8)	-	1.6 (± 0.5)	-	0.4 (± 0.2)	-	2.0 (± 0.7)	-	0.5 (± 0.3)	-	0.3 (± 0.2)
Wisconsin	6.5 (± 3.9)	-	0.5 (± 0.2)	-	0.2 (± 0.2)	-	0.2 (± 0.2)	-	0.3 (± 0.3)	-	0.1 (± 0.1)	-
Median	6.5	6.3	0.7	0.6	0.4	0.3	0.6	0.5	0.3	0.3	0.2	0.3
High School												
Alabama	22.9 (± 4.6)	-	7.4 (± 2.1)	-	1.4 (± 0.7)	-	6.1 (± 1.9)	-	1.1 (± 0.5)	-	0.6 (± 0.5)	-
Connecticut	-	19.5 (± 3.1)	-	3.5 (± 0.7)	-	1.7 (± 0.4)	-	1.9 (± 0.6)	-	1.1 (± 0.5)	-	0.9 (± 0.4)
Delaware	21.8 (± 4.1)	-	5.6 (± 1.5)	-	1.4 (± 0.6)	-	1.1 (± 0.4)	-	0.5 (± 0.3)	-	0.3 (± 0.2)	-
Georgia	-	16.2 (± 3.8)	-	3.5 (± 1.3)	-	1.7 (± 0.9)	-	2.0 (± 0.8)	-	0.6 (± 0.5)	-	0.8 (± 0.5)
Hawaii	-	13.0 (± 5.6)	-	1.5 (± 0.9)	-	0.2 (± 0.3)	-	0.6 (± 0.5)	-	0.8 (± 0.7)	-	0.3 (± 0.3)
Indiana	-	26.4 (± 3.7)	-	5.9 (± 1.6)	-	1.2 (± 0.5)	-	2.0 (± 0.6)	-	1.0 (± 0.6)	-	0.4 (± 0.4)
Mississippi	22.7 (± 6.0)	-	6.8 (± 2.2)	-	2.1 (± 0.9)	-	5.1 (± 2.6)	-	0.8 (± 0.6)	-	0.4 (± 0.4)	-
Nebraska	23.1 (± 3.4)	-	5.1 (± 1.2)	-	0.7 (± 0.6)	-	2.5 (± 1.1)	-	0.6 (± 0.3)	-	0.3 (± 0.3)	-
New Jersey	17.4 (± 5.1)	-	3.5 (± 1.5)	-	0.7 (± 0.5)	-	1.1 (± 0.5)	-	0.4 (± 0.3)	-	^c	-
North Carolina	-	15.9 (± 2.7)	-	4.1 (± 0.9)	-	1.4 (± 0.5)	-	3.2 (± 0.9)	-	1.0 (± 0.3)	-	0.7 (± 0.3)
North Dakota	-	25.8 (± 4.9)	-	6.5 (± 2.0)	-	0.5 (± 0.4)	-	3.9 (± 1.1)	-	0.9 (± 0.4)	-	0.6 (± 0.4)
South Carolina	-	17.2 (± 3.3)	-	4.9 (± 1.6)	-	2.3 (± 0.9)	-	3.4 (± 1.2)	-	0.7 (± 0.5)	-	0.7 (± 0.4)
West Virginia	-	28.3 (± 3.7)	-	9.0 (± 2.1)	-	0.8 (± 0.5)	-	7.8 (± 2.2)	-	0.8 (± 0.7)	-	0.3 (± 0.3)
Wisconsin	20.3 (± 4.8)	-	4.7 (± 1.5)	-	1.1 (± 0.4)	-	1.7 (± 0.7)	-	0.3 (± 0.3)	-	0.3 (± 0.3)	-
Median	22.3	18.4	5.3	4.5	1.2	1.3	2.1	2.6	0.5	0.8	0.3	0.6

Abbreviations: CI = confidence interval.

^a Students were asked, “Have you ever tried cigarettes, even one or two puffs?” and “About how many cigarettes have you smoked in your entire life?”

^b Frequent tobacco use defined as use of cigarettes, cigars, smokeless tobacco, pipes, or bidis on 20 or more days during the 30 days before the survey.

^c Question was not asked in the questionnaire.

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Table 4. Brand of cigarettes usually smoked by current cigarette smokers a during the preceding 30 days, by state—Youth Tobacco Survey, 2012–2013

State	Marlboro		Newport		Camel		Other Brand ^b		No Usual Brand	
	% (95% CI)		% (95% CI)		% (95% CI)		% (95% CI)		% (95% CI)	
Middle School	2012	2013	2012	2013	2012	2013	2012	2013	2012	2013
Alabama	42.1 (±11.7)	-	33.2 (±12.6)	-	6.3 (±5.5)	-	10.4 (±8.2)	-	3.0 (±3.7)	-
Arizona	-	48.9 (±14.2)	-	5.3 (±7.4)	-	9.8 (±7.3)	-	18.9 (±9.6)	-	9.9 (±9.4)
Connecticut	-	16.0 (±15.0)	-	50.2 (±21.7)	-	0.0 (±0.0)	-	21.3 (±14.0)	-	5.8 (±6.3)
Delaware	c		c		c		c		c	
Georgia	-	26.2 (±11.7)	-	38.7 (±13.4)	-	9.5 (±7.7)	-	11.0 (±6.5)	-	7.4 (±6.9)
Hawaii	-	18.8 (±9.6)	-	1.3 (±2.2)	-	21.0 (±16.9)	-	16.3 (±9.2)	-	20.6 (±17.9)
Indiana	-	43.0 (±14.0)	-	17.4 (±10.6)	-	18.0 (±8.6)	-	14.2 (±7.4)	-	4.3 (±4.6)
Kansas	-	d	-	d	-	d	-	d	-	d
Mississippi	31.4 (±10.8)	-	41.4 (±12.0)	-	9.6 (±5.9)	-	8.8 (±4.0)	-	3.2 (±3.6)	-
Missouri	-	45.0 (±15.3)	-	16.7 (±15.8)	-	14.9 (±11.6)	-	11.7 (±8.0)	-	4.1 (±3.0)
North Carolina	-	25.7 (±10.1)	-	36.0 (±11.4)	-	13.4 (±8.9)	-	13.3 (±7.6)	-	1.4 (±1.9)
North Dakota	-	57.1 (±11.8)	-	2.0 (±4.0)	-	15.9 (±8.3)	-	13.3 (±9.4)	-	8.0 (±7.7)
Ohio	48.3 (±21.1)	-	38.3 (±23.7)	-	5.6 (±6.8)	-	2.9 (±5.5)	-	0.0 (±0.0)	-
Oklahoma	-	53.7 (±13.7)	-	9.5 (±6.6)	-	10.6 (±8.2)	-	13.0 (±8.5)	-	5.4 (±5.4)
South Carolina	-	40.1 (±17.6)	-	42.3 (±15.6)	-	6.7 (±6.6)	-	2.8 (±3.9)	-	2.2 (±2.9)
South Dakota	-	55.0 (±9.6)	-	1.3 (±2.6)	-	22.0 (±9.6)	-	9.2 (±8.7)	-	4.4 (±4.4)
West Virginia	-	55.1 (±10.6)	-	6.9 (±4.8)	-	5.6 (±3.8)	-	25.1 (±9.5)	-	3.3 (±2.7)
Wisconsin	41.2 (±14.1)	-	31.8 (±9.5)	-	10.3 (±8.3)	-	3.9 (±5.6)	-	12.8 (±10.7)	-
Median	41.7	44.0	35.7	13.1	7.9	12.0	6.4	13.3	3.1	4.9
High School										
Alabama	41.7 (±7.4)	-	35.1 (±7.5)	-	10.0 (±3.2)	-	6.0 (±2.9)	-	3.0 (±1.7)	-
Arizona	-	48.9 (±14.2)	-	5.3 (±7.4)	-	9.8 (±7.3)	-	18.9 (±9.6)	-	9.9 (±9.4)
Connecticut	-	16.0 (±15.0)	-	50.2 (±21.7)	-	0.0 (±0.0)	-	21.3 (±14.0)	-	5.8 (±6.3)
Delaware	c		c		c		c		c	
Georgia	-	26.2 (±11.7)	-	38.7 (±13.4)	-	9.5 (±7.7)	-	11.0 (±6.5)	-	7.4 (±6.9)
Hawaii	-	18.8 (±9.6)	-	1.3 (±2.2)	-	21.0 (±16.9)	-	16.3 (±9.2)	-	20.6 (±17.9)
Indiana	-	43.0 (±14.0)	-	17.4 (±10.6)	-	18.0 (±8.6)	-	14.2 (±7.4)	-	4.3 (±4.6)
Kansas	-	d	-	d	-	d	-	d	-	d
Mississippi	39.1 (±9.9)	-	44.8 (±10.3)	-	6.7 (±3.2)	-	4.5 (±3.4)	-	1.4 (±0.8)	-
Missouri	-	45.0 (±15.3)	-	16.7 (±15.8)	-	14.9 (±11.6)	-	11.7 (±8.0)	-	4.1 (±3.0)
Nebraska	48.4 (±7.2)	-	13.4 (±5.4)	-	19.6 (±7.8)	-	6.4 (±2.6)	-	5.5 (±4.1)	-
New Jersey	35.1 (±8.5)	-	44.8 (±8.5)	-	6.1 (±4.5)	-	7.8 (±4.3)	-	3.6 (±2.7)	-
North Carolina	-	25.7 (±10.1)	-	36.0 (±11.4)	-	13.4 (±8.9)	-	13.3 (±7.6)	-	1.4 (±1.9)
North Dakota	-	57.1 (±11.8)	-	2.0 (±4.0)	-	15.9 (±8.3)	-	13.3 (±9.4)	-	8.0 (±7.7)
Oklahoma	-	53.7 (±13.7)	-	9.5 (±6.6)	-	10.6 (±8.2)	-	13.0 (±8.5)	-	5.4 (±5.4)
South Carolina	-	40.1 (±17.6)	-	42.3 (±15.6)	-	6.7 (±6.6)	-	2.8 (±3.9)	-	2.2 (±2.9)
South Dakota	-	55.0 (±9.6)	-	1.3 (±2.6)	-	22.0 (±9.6)	-	9.2 (±8.7)	-	4.4 (±4.4)
West Virginia	-	55.1 (±10.6)	-	6.9 (±4.8)	-	5.6 (±3.8)	-	25.1 (±9.5)	-	3.3 (±2.7)
Wisconsin	34.0 (±8.5)	-	34.5 (±9.1)	-	12.9 (±5.6)	-	5.3 (±3.2)	-	5.1 (±3.9)	-
Median	39.1	44.0	35.1	13.1	10.0	12.0	6.0	13.3	3.6	4.9

Abbreviation: CI = confidence interval.

^a Current cigarette smoking is defined as having smoked cigarettes on at least 1 day during the 30 days before the survey.

^b Includes Basic, Doral, GPC, Virginia Slims, and some other brands.

^c Question was not asked in the questionnaire.

^d Number of respondents <35.

Table 5. Percentage of all middle school and high school students who were exposed to tobacco-related media and advertising, by state—Youth Tobacco Survey, 2012–2013

State	Saw Actors on TV or in Movies Using Tobacco ^a		Saw Ads for Tobacco Products on the Internet ^b	
	% (95%CI)		% (95%CI)	
Middle school	2012	2013	2012	2013
Alabama	71.2 (±2.7)	-	40.6 (±2.3)	-
Arizona	-	68.4 (±5.5)	-	35.8 (±3.1)
Connecticut	-	^c	-	^c
Delaware	70.4 (±2.9)	-	34.8 (±2.4)	-
Georgia	-	65.4 (±3.9)	-	36.8 (±3.0)
Hawaii	-	65.5 (±2.9)	-	43.8 (±2.8)
Indiana	-	68.7 (±3.1)	-	35.7 (±3.3)
Kansas	-	64.2 (±2.7)	-	35.0 (±2.5)
Mississippi	71.7 (±2.5)	-	43.4 (±2.7)	-
Missouri	-	73.9 (±2.3)	-	41.7 (±3.1)
North Carolina	-	NA	-	43.6 (±2.1)
North Dakota	-	69.6 (±2.3)	-	38.1 (±2.1)
Ohio	68.3 (±4.0)	-	42.8 (±5.0)	-
Oklahoma	-	68.9 (±2.5)	-	42.7 (±2.2)
South Carolina	-	NA	-	43.4 (±2.7)
South Dakota	-	67.9 (±2.4)	-	40.0 (±2.5)
West Virginia	-	72.8 (±2.4)	-	49.4 (±2.4)
Wisconsin	65.6 (±3.5)	-	37.3 (±3.4)	-
Median	70.4	68.5	40.6	40.9
High school				
Alabama	74.6 (±2.6)	-	38.5 (±2.4)	-
Connecticut	-	^c	-	^c
Delaware	77.8 (±2.5)	-	34.3 (±2.5)	-
Georgia	-	69.8 (±3.3)	-	34.8 (±3.3)
Hawaii	-	73.4 (±3.7)	-	48.3 (±3.0)
Indiana	-	78.0 (±2.3)	-	37.4 (±2.4)
Mississippi	75.9 (±2.1)	-	44.4 (±2.4)	-
Nebraska	72.4 (±2.3)	-	42.3 (±2.9)	-
New Jersey	NA	-	26.9 (±3.6)	-
North Carolina	-	NA	-	43.7 (±1.8)
North Dakota	-	74.7 (±2.3)	-	38.7 (±2.3)
South Carolina	-	NA	-	36.6 (±2.1)
West Virginia	-	74.5 (±2.3)	-	40.2 (±4.1)
Wisconsin	71.1 (±3.6)	-	37.7 (±3.3)	-
Median	74.6	74.5	38.1	38.7

Abbreviations: CI = confidence interval; NA = not available.

^a Those who responded to how often they saw actors using tobacco when they watch TV or go to the movies, “Sometimes” or “Most of the time”, or “Always.”

^b Those who responded to how often they saw ads for tobacco products on the Internet, “Sometimes” or “Most of the time”, or “Always.”

^c Question was not asked in the questionnaire.

Table 6. Percentage of middle school and high school students who bought or received, or would wear or use, tobacco company merchandise, by tobacco use status and state—Youth Tobacco Survey, 2012–2013

State	Bought or Received Anything with Tobacco Company Name or Picture on it ^a				Would Wear or Use Something with Tobacco Company Name or Picture on it ^b			
	Never Used Tobacco ^c		Current Tobacco User ^d		Never Used Tobacco		Current Tobacco User	
	% (95%CI)		% (95%CI)		% (95%CI)		% (95%CI)	
Middle school	2012	2013	2012	2013	2012	2013	2012	2013
Alabama	5.6 (±1.4)		49.2 (±6.8)		9.2 (±2.2)		54.4 (±8.5)	
Arizona	-	5.1 (±0.9)	-	37.6 (±15.1)	-	8.0 (±1.8)	-	53.1 (±13.3)
Connecticut	-	4.2 (±0.9)	-	40.4 (±9.1)	-	5.7 (±1.0)	-	49.3 (±11.9)
Delaware	3.5 (±1.0)	-	43.3 (±7.5)	-	^e	-	^e	-
Georgia	-	4.8 (±1.2)	-	42.9 (±7.4)	-	8.4 (±1.2)	-	46.3 (±6.9)
Hawaii	-	5.8 (±1.8)	-	25.5 (±14.8)	-	7.7 (±2.8)	-	33.2 (±13.6)
Indiana	-	^e	-	^e	-	6.6 (±1.5)	-	47.7 (±9.1)
Kansas	-	4.4 (±1.3)	-	41.5 (±16.0)	-	5.7 (±1.2)	-	42.9 (±17.2)
Mississippi	^e	-	^e	-	10.1 (±2.6)	-	46.2 (±7.1)	-
Missouri	-	^e	-	^e	-	7.6 (±1.2)	-	61.3 (±11.4)
North Carolina	-	^e	-	^e	-	7.1 (±1.2)	-	43.2 (±9.4)
North Dakota	-	3.4 (±1.0)	-	35.4 (±7.2)	-	6.9 (±1.3)	-	41.7 (±8.7)
Ohio	6.1 (±2.2)	-	46.9 (±15.0)	-	4.8 (±1.6)	-	46.6 (±18.8)	-
Oklahoma	-	^e	-	^e	-	8.7 (±1.5)	-	39.1 (±9.4)
South Carolina	-	^e	-	^e	-	9.2 (±1.8)	-	48.5 (±11.0)
South Dakota	-	3.7 (±0.9)	-	39.1 (±8.2)	-	7.4 (±1.2)	-	38.7 (±9.8)
West Virginia	-	^e	-	^e	-	8.0 (±1.3)	-	49.7 (±5.4)
Wisconsin	7.1 (±1.6)	-	39.4 (±13.8)	-	7.8 (±1.4)	-	58.6 (±9.5)	-
Median	5.9	4.4	45.1	39.1	8.5	7.6	50.5	46.3
High School								
Alabama	4.2 (±1.9)	-	36.0 (±5.0)	-	8.6 (±2.4)	-	48.7 (±4.1)	-
Connecticut	-	4.4 (±1.2)	-	32.3 (±4.8)	-	8.4 (±1.4)	-	47.2 (±4.1)
Delaware	4.1 (±1.4)	-	29.0 (±5.6)	-	^e	-	^e	-
Georgia	-	3.4 (±1.1)	-	37.7 (±5.3)	-	12.7 (±3.6)	-	47.0 (±7.5)
Hawaii	-	3.3 (±1.4)	-	24.4 (±5.7)	-	5.4 (±1.3)	-	34.2 (±12.0)
Indiana	-	^e	-	^e	-	8.5 (±1.7)	-	42.8 (±6.0)
Mississippi	^e	-	^e	-	14.9 (±3.8)	-	42.3 (±4.5)	-
Nebraska	3.4 (±1.0)	-	36.6 (±7.4)	-	6.3 (±1.3)	-	46.7 (±5.6)	-
New Jersey	3.9 (±1.4)	-	34.3 (±6.6)	-	7.1 (±2.2)	-	39.4 (±5.9)	-
North Carolina	-	^e	-	^e	-	10.4 (±1.6)	-	44.4 (±3.8)
North Dakota	-	3.1 (±0.9)	-	29.1 (±5.3)	-	7.1 (±2.0)	-	45.5 (±5.4)
South Carolina	-	^e	-	^e	-	11.4 (±3.1)	-	49.0 (±6.6)
West Virginia	-	^e	-	^e	-	9.2 (±2.0)	-	49.0 (±6.5)
Wisconsin	5.5 (±1.4)	-	35.5 (±5.5)	-	11.4 (±1.9)	-	52.0 (±4.4)	-
Median	4.1	3.3	35.5	30.7	8.6	8.8	46.7	46.3

Abbreviations: CI = confidence interval; NA = not available.

^a Students were asked, “During the past 12 months, did you buy or receive anything that has a tobacco company name or picture on it?”

^b Students were asked, “How likely is it that you would ever use or wear something--such as a lighter, T-shirt, hat, or sunglasses --that has a tobacco company name or picture on it?”

^c Students were considered as never using tobacco if they answered “No” to whether they have tried or experimented with cigarettes, cigars, smokeless tobacco, bidis, or kreteks. This question did not include use of tobacco in a pipe.

^d Used cigarettes, cigars, smokeless tobacco, tobacco in a pipe, or bidis on at least 1 day during the 30 days before the survey. This question did not include use of kreteks.

^e Question was not asked in the questionnaire.

TABLE 7. Percentage of middle school and high school current cigarette smokers^a who tried to quit smoking during the preceding 12 months and percentage who want to stop smoking cigarettes, by state—Youth Tobacco Survey, 2012–2013

State	Tried to Quit Smoking Cigarettes During Preceding 12 Months ^b		Wants to Stop Smoking Cigarettes ^c	
	% (95% CI)		% (95% CI)	
	2012	2013	2012	2013
Middle School				
Alabama	35.3 (±9.0)	-	40.3 (±9.1)	-
Arizona	-	^d	-	67.7 (±11.2)
Connecticut	-	^d	-	39.0 (±15.2)
Delaware	48.8 (±12.2)	-	64.2 (±8.4)	-
Georgia	-	45.1 (±10.9)	-	49.9 (±6.1)
Hawaii	-	31.2 (±17.5)	-	43.2 (±15.6)
Indiana	-	38.6 (±10.7)	-	46.4 (±9.9)
Kansas	-	^d	-	47.5 (±10.7)
Mississippi	40.3 (±11.0)	-	46.7 (±8.8)	-
Missouri	-	43.1 (±9.6)	-	51.2 (±10.6)
Nebraska	-	-	-	-
New Jersey	-	-	-	-
North Carolina	-	35.7 (±8.8)	-	43.7 (±8.1)
North Dakota	-	47.7 (±15.7)	-	54.4 (±12.4)
Ohio	^d	-	42.6 (±16.8)	-
Oklahoma	-	43.9 (±12.9)	-	52.7 (±6.9)
South Carolina	-	44.1 (±9.3)	-	46.2 (±10.9)
South Dakota	-	46.1 (±14.1)	-	52.5 (±13.4)
West Virginia	-	44.6 (±10.0)	-	52.2 (±8.0)
Wisconsin	53.1 (±21.7)	-	49.7 (±14.4)	-
Median	44.6	44.0	46.7	49.9
High School				
Alabama	48.4 (±7.2)	-	47.0 (±6.9)	-
Connecticut	-	43.0 (±6.4)	-	45.4 (±4.3)
Delaware	50.3 (±9.4)	-	50.3 (±8.6)	-
Georgia	-	51.3 (±6.4)	-	49.3 (±7.1)
Hawaii	-	64.8 (±14.9)	-	59.0 (±11.4)
Indiana	-	47.7 (±6.6)	-	49.6 (±5.1)
Mississippi	47.9 (±5.6)	-	46.2 (±6.1)	-
Nebraska	48.9 (±9.5)	-	49.3 (±7.7)	-
New Jersey	44.5 (±9.8)	-	47.8 (±8.6)	-
North Carolina	-	39.1 (±7.7)	-	40.7 (±6.8)
North Dakota	-	48.9 (±7.2)	-	47.4 (±6.6)
South Carolina	-	40.3 (±4.6)	-	45.4 (±5.8)
West Virginia	-	50.8 (±7.9)	-	50.9 (±6.5)
Wisconsin	41.1 (±5.8)	-	43.2 (±7.5)	-
Median	48.2	48.3	47.4	48.3

Abbreviations: CI = confidence interval; NA = not available.

^a Current cigarette smoking is defined as having smoked cigarettes on at least 1 day during the 30 days before the survey.

^b Students were asked, "During the past 12 months, how many times have you stopped smoking for one day or longer because you were trying to quit smoking cigarettes for good?"

^c Students were asked, "Do you want to stop smoking cigarettes for good?"

^d Number of respondents <35.