

TABLE 1
Trends in Annual and 30-Day Prevalence of Use of
Other Tobacco Products for Grades 8, 10, and 12

(Entries are percentages.)

	2009	2010	2011	2012	2013	2014	2015	2016	2015– 2016 change
ANNUAL PREVALENCE OF USE									
Tobacco using a Hookah^a									
8th Grade	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—
12th Grade	—	17.1	18.5	18.3	21.4	22.9	19.8	13.0	-6.9 sss
Small cigars^b									
8th Grade	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—
12th Grade	—	23.1	19.5	19.9	20.4	18.9	15.9	15.6	-0.3
Dissolvable Tobacco Products^{b,c}									
8th Grade	—	—	—	1.0	1.1	1.1	0.9	0.7	-0.2
10th Grade	—	—	—	1.6	1.2	1.3	1.1	0.9	-0.2
12th Grade	—	—	1.5	1.6	1.9	1.1	1.4	1.1	-0.3
Snus^{b,c}									
8th Grade	—	—	—	2.4	2.0	2.2	1.9	2.2	+0.3
10th Grade	—	—	—	6.9	5.2	4.5	4.0	3.0	-1.0
12th Grade	—	—	7.9	7.9	7.7	5.8	5.8	5.8	+0.1
30-DAY PREVALENCE OF USE									
Electronic Vaporizers^{c,d}									
8th Grade	—	—	—	—	—	—	8.0	6.2	-1.8 s
10th Grade	—	—	—	—	—	—	14.2	11.0	-3.3 ss
12th Grade	—	—	—	—	—	—	16.3	12.5	-3.8 ss
Large Cigars^{d,e}									
8th Grade	—	—	—	—	—	1.9	2.4	1.5	-0.9 s
10th Grade	—	—	—	—	—	3.9	3.4	2.3	-1.1 s
12th Grade	—	—	—	—	—	6.4	7.0	6.5	-0.6
Flavored Little Cigars or Cigarillos^{d,e}									
8th Grade	—	—	—	—	—	4.1	4.1	2.8	-1.3 ss
10th Grade	—	—	—	—	—	6.9	6.1	4.9	-1.2
12th Grade	—	—	—	—	—	11.9	11.4	9.5	-1.9 s
Regular Little Cigars or Cigarillos^{d,e}									
8th Grade	—	—	—	—	—	2.5	3.3	1.9	-1.5 ss
10th Grade	—	—	—	—	—	4.4	3.8	3.0	-0.8
12th Grade	—	—	—	—	—	7.0	7.8	6.1	-1.7 s
Approximate Ns									
8th Grade	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	
10th Grade	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	
12th Grade	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

^aFor 12th grade only: Data based on one of six forms; N is one sixth of N indicated. Beginning in 2016 data based on three of six forms; N is three sixths of N indicated.

^bFor 12th grade only: Data based on one of six forms; N is one sixth of N indicated.

^cFor 8th and 10th graders only: Data based on one of four forms; N is one third of N indicated.

^dFor 12th grade only: Data based on two of six forms; N is two sixths of N indicated.

^eFor 8th and 10th graders only: Data based on two of four forms; N is one third of N indicated.

TABLE 2
Trends in Prevalence of Use of CIGARETTES in Grades 8, 10, and 12
 (Entries are percentages.)

	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	→ (Years cont.)
Lifetime																						
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44.0	45.2	45.3	46.1	46.4	
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.1	53.5	56.3	56.9	57.6	
12th Grade	73.6	75.4	75.7	75.3	74.0	71.0	71.0	70.1	70.6	69.7	68.8	67.6	67.2	66.4	65.7	64.4	63.1	61.8	61.9	62.0	64.2	
30-Day																						
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.3	15.5	16.7	18.6	19.1	
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.8	21.5	24.7	25.4	27.9	
12th Grade	36.7	38.8	38.4	36.7	34.4	30.5	29.4	30.0	30.3	29.3	30.1	29.6	29.4	28.7	28.6	29.4	28.3	27.8	29.9	31.2	33.5	
Daily																						
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.2	7.0	8.3	8.8	9.3	
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.6	12.3	14.2	14.6	16.3	
12th Grade	26.9	28.8	28.8	27.5	25.4	21.3	20.3	21.1	21.2	18.7	19.5	18.7	18.7	18.1	18.9	19.1	18.5	17.2	19.0	19.4	21.6	
1/2 Pack+ per Day																						
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.1	2.9	3.5	3.6	3.4	
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.5	6.0	7.0	7.6	8.3	
12th Grade	17.9	19.2	19.4	18.8	16.5	14.3	13.5	14.2	13.8	12.3	12.5	11.4	11.4	10.6	11.2	11.3	10.7	10.0	10.9	11.2	12.4	
Approximate Ns																						
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,500	18,600	18,300	17,300	17,500	
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14,800	14,800	15,300	15,800	17,000	
12th Grade	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	15,400	

(Table continued on next page.)

TABLE 2 (cont.)
Trends in Prevalence of Use of CIGARETTES in Grades 8, 10, and 12
(Entries are percentages.)

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2015– 2016 change	
Lifetime																							
8th Grade	49.2	47.3	45.7	44.1	40.5	36.6	31.4	28.4	27.9	25.9	24.6	22.1	20.5	20.1	20.0	18.4	15.5	14.8	13.5	13.3	9.8	-3.5	sss
10th Grade	61.2	60.2	57.7	57.6	55.1	52.8	47.4	43.0	40.7	38.9	36.1	34.6	31.7	32.7	33.0	30.4	27.7	25.7	22.6	19.9	17.5	-2.4	s
12th Grade	63.5	65.4	65.3	64.6	62.5	61.0	57.2	53.7	52.8	50.0	47.1	46.2	44.7	43.6	42.2	40.0	39.5	38.1	34.4	31.1	28.3	-2.8	s
30-Day																							
8th Grade	21.0	19.4	19.1	17.5	14.6	12.2	10.7	10.2	9.2	9.3	8.7	7.1	6.8	6.5	7.1	6.1	4.9	4.5	4.0	3.6	2.6	-1.0	ss
10th Grade	30.4	29.8	27.6	25.7	23.9	21.3	17.7	16.7	16.0	14.9	14.5	14.0	12.3	13.1	13.6	11.8	10.8	9.1	7.2	6.3	4.9	-1.5	ss
12th Grade	34.0	36.5	35.1	34.6	31.4	29.5	26.7	24.4	25.0	23.2	21.6	21.6	20.4	20.1	19.2	18.7	17.1	16.3	13.6	11.4	10.5	-0.9	
Daily																							
8th Grade	10.4	9.0	8.8	8.1	7.4	5.5	5.1	4.5	4.4	4.0	4.0	3.0	3.1	2.7	2.9	2.4	1.9	1.8	1.4	1.3	0.9	-0.4	s
10th Grade	18.3	18.0	15.8	15.9	14.0	12.2	10.1	8.9	8.3	7.5	7.6	7.2	5.9	6.3	6.6	5.5	5.0	4.4	3.2	3.0	1.9	-1.1	sss
12th Grade	22.2	24.6	22.4	23.1	20.6	19.0	16.9	15.8	15.6	13.6	12.2	12.3	11.4	11.2	10.7	10.3	9.3	8.5	6.7	5.5	4.8	-0.7	
1/2 Pack+ per Day																							
8th Grade	4.3	3.5	3.6	3.3	2.8	2.3	2.1	1.8	1.7	1.7	1.5	1.1	1.2	1.0	0.9	0.7	0.6	0.7	0.5	0.4	0.3	-0.1	
10th Grade	9.4	8.6	7.9	7.6	6.2	5.5	4.4	4.1	3.3	3.1	3.3	2.7	2.0	2.4	2.4	1.9	1.5	1.5	1.2	1.0	0.6	-0.4	s
12th Grade	13.0	14.3	12.6	13.2	11.3	10.3	9.1	8.4	8.0	6.9	5.9	5.7	5.4	5.0	4.7	4.3	4.0	3.4	2.6	2.1	1.8	-0.3	
Approximate Ns																							
8th Grade	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900		
10th Grade	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700		
12th Grade	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800		

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.

Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

TABLE 3
Trends in Availability and Attitudes about Smoking 1 or More Packs
of Cigarettes per Day for Grades 8, 10, and 12

(Entries are percentages.)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	→ (Years cont.)	
Perceived Risk ^a																							
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.6	50.8	52.7	50.8	49.8		
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.3	59.3	60.7	59.0	57.0		
12th Grade	51.3	56.4	58.4	59.0	63.0	63.7	63.3	60.5	61.2	63.8	66.5	66.0	68.6	68.0	67.2	68.2	69.4	69.2	69.5	67.6	65.6		
Disapproval ^b																							
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.8	82.3	80.6	78.4	78.6		
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.4	77.8	76.5	73.9	73.2		
12th Grade	67.5	65.9	66.4	67.0	70.3	70.8	69.9	69.4	70.8	73.0	72.3	75.4	74.3	73.1	72.4	72.8	71.4	73.5	70.6	69.8	68.2		
Availability ^c																							
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.8	75.5	76.1	76.4		
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	89.1	89.4	90.3	90.7		
Approximate Ns																							
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17,500	18,600	18,300	17,300	17,500		
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14,800	14,800	15,300	15,800	17,000		
12th Grade	2,800	2,900	3,100	3,800	3,300	3,200	3,600	3,600	3,300	3,300	3,300	3,000	3,300	3,300	2,800	2,600	2,600	2,700	2,800	2,600	2,600		

(Table continued on next page.)

TABLE 3 (cont.)
Trends in Availability and Attitudes about Smoking 1 or More Packs
of Cigarettes per Day for Grades 8, 10, and 12

(Entries are percentages.)

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2015– 2016 change
Perceived Risk^a																						
8th Grade	50.4	52.6	54.3	54.8	58.8	57.1	57.5	57.7	62.4	61.5	59.4	61.1	59.8	59.1	60.9	62.5	62.6	62.4	62.1	63.0	61.2	-1.7
10th Grade	57.9	59.9	61.9	62.7	65.9	64.7	64.3	65.7	68.4	68.1	67.7	68.2	69.1	67.3	67.2	69.8	71.6	70.8	72.0	72.9	71.5	-1.4
12th Grade	68.2	68.7	70.8	70.8	73.1	73.3	74.2	72.1	74.0	76.5	77.6	77.3	74.0	74.9	75.0	77.7	78.2	78.2	78.0	75.9	76.5	+0.6
Disapproval^b																						
8th Grade	77.3	80.3	80.0	81.4	81.9	83.5	84.6	84.6	85.7	85.3	85.6	87.0	86.7	87.1	87.0	88.0	88.8	88.0	87.5	88.8	88.1	-0.7
10th Grade	71.6	73.8	75.3	76.1	76.7	78.2	80.6	81.4	82.7	84.3	83.2	84.7	85.2	84.5	83.9	85.8	86.0	86.1	88.0	88.3	88.5	+0.3
12th Grade	67.2	67.1	68.8	69.5	70.1	71.6	73.6	74.8	76.2	79.8	81.5	80.7	80.5	81.8	81.0	83.0	83.7	82.6	85.0	84.1	85.3	+1.3
Availability^c																						
8th Grade	76.9	76.0	73.6	71.5	68.7	67.7	64.3	63.1	60.3	59.1	58.0	55.6	57.4	55.3	55.5	51.9	50.7	49.9	47.2	47.0	45.6	-1.4
10th Grade	91.3	89.6	88.1	88.3	86.8	86.3	83.3	80.7	81.4	81.5	79.5	78.2	76.5	76.1	75.6	73.6	72.9	71.4	69.0	66.6	62.9	-3.6 ss
Approximate Ns																						
8th Grade	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	
10th Grade	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	
12th Grade	2,400	2,600	2,500	2,300	2,100	2,100	2,200	2,400	2,400	2,500	2,400	2,400	2,300	2,300	2,400	2,400	2,300	2,100	2,100	2,200	2,000	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.

Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

^aThe question text was: How much do you think people risk harming themselves (physically or in other ways) if they smoke one or more packs of cigarettes per day? Answer alternatives were: (1) No risk, (2) Slight risk, (3) Moderate risk, (4) Great risk, and (5) Can't say, drug unfamiliar. The percentage saying great risk is shown. For 8th and 10th graders: Beginning in 1999, perceived risk data based on two of four forms; N is two thirds of N indicated.

^bThe question text was: Do you disapprove of people smoking one or more packs of cigarettes per day? Answer alternatives were: (1) Don't disapprove, (2) Disapprove, and (3) Strongly disapprove. For 8th and 10th graders, there was another category—Can't say, drug unfamiliar—which was included in the calculation of these percentages. The percentage saying they disapprove or strongly disapprove is shown. For 8th and 10th graders: Beginning in 1999, disapproval data based on two of four forms; N is two thirds of N indicated.

^cThe question text was: How difficult do you think it would be for you to get cigarettes, if you wanted some? Answer alternatives were: (1) Probably impossible, (2) Very difficult, (3) Fairly difficult, (4) Fairly easy, (5) Very easy, and (8) Can't say, drug unfamiliar (included in the calculation of these percentages). The percentage saying cigarettes are fairly easy or very easy to get is shown. In 1992 only, availability data based on one of two forms; N is one half of N indicated. The question was not asked of 12th graders.

TABLE 4
Trends in Various Attitudes toward Cigarette Use for Grades 8, 10, and 12

	Percentage who report mostly agree or agree																				2015– 2016 change						
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
I would prefer to date people who don't smoke																											
8th Grade	77.8	76.0	75.2	74.1	73.6	70.9	72.3	74.5	76.9	77.2	79.4	80.6	79.6	81.0	81.2	81.2	82.8	82.6	81.3	81.5	81.7	83.7	80.9	80.2	81.7	80.6	-1.1
10th Grade	75.9	76.4	74.3	71.6	71.6	69.1	68.2	71.8	73.0	75.2	75.4	76.3	76.7	79.5	79.6	80.4	80.9	80.0	79.9	78.9	80.1	80.2	77.3	78.4	79.2	77.5	-1.6
12th Grade	74.0	72.3	70.4	69.0	66.0	66.0	63.9	66.0	64.4	70.0	68.5	72.3	71.8	72.0	74.8	76.7	76.6	75.2	74.9	73.3	74.7	77.5	75.4	73.7	73.1	74.2	+1.0
Smoking is a dirty habit																											
8th Grade	71.4	70.8	70.3	68.4	68.4	67.9	67.7	68.2	70.0	70.8	72.3	74.1	71.6	74.3	73.7	74.8	75.8	75.0	73.6	72.4	72.9	75.1	72.0	70.7	70.9	71.2	+0.3
10th Grade	70.7	71.0	69.2	67.5	68.0	66.6	65.8	68.3	68.7	70.8	70.3	71.2	70.5	71.7	72.0	73.7	72.7	72.0	72.1	71.7	71.4	71.3	69.5	69.1	70.8	67.8	-3.1
12th Grade	71.6	73.1	71.8	68.0	68.2	67.5	70.0	70.5	69.7	73.5	71.6	74.5	73.3	72.6	74.9	77.1	76.7	73.5	73.4	73.1	72.4	73.0	70.7	70.9	67.1	69.5	+2.4
I think that becoming a smoker reflects poor judgment																											
8th Grade	62.2	60.9	59.7	58.7	59.3	57.0	57.6	58.8	60.0	60.9	63.1	64.3	63.7	64.1	64.6	65.5	66.1	64.5	63.9	62.5	61.6	63.3	59.3	57.0	58.2	57.8	-0.4
10th Grade	57.5	59.0	57.3	54.2	53.7	52.9	50.1	53.9	54.7	56.5	55.4	59.3	56.8	58.8	59.4	61.5	60.3	60.6	59.6	59.1	57.4	57.2	54.8	52.3	54.1	51.3	-2.9
12th Grade	61.0	60.7	59.4	58.1	55.1	54.9	56.2	54.7	55.5	58.9	57.2	59.8	56.6	56.0	60.3	61.9	61.7	58.1	57.7	54.4	55.5	54.1	52.3	47.5	45.5	47.1	+1.6
I strongly dislike being near people who are smoking																											
8th Grade	53.8	52.1	52.9	51.1	49.7	45.7	46.6	48.5	48.7	50.1	52.2	54.0	54.4	57.0	55.7	55.4	56.8	57.9	55.9	55.2	56.9	59.0	58.6	57.4	58.3	58.2	-0.2
10th Grade	50.7	50.9	50.0	47.7	46.0	42.6	41.6	44.4	44.0	46.5	46.7	49.1	51.2	52.6	52.3	55.2	53.7	53.5	52.9	52.2	53.9	55.8	54.6	55.7	58.7	56.8	-1.9
12th Grade	48.9	49.4	48.6	47.4	44.2	42.3	38.3	41.0	39.3	41.3	43.3	47.4	47.6	46.5	47.8	49.7	50.2	47.9	48.7	49.1	49.5	52.4	50.7	53.2	51.1	53.4	+2.3
I personally don't mind being around people who are smoking																											
8th Grade	29.5	31.1	31.1	32.8	34.2	37.8	34.8	34.7	32.9	31.6	30.7	29.1	27.8	27.6	26.8	27.7	27.3	25.6	25.8	27.1	25.1	25.0	24.7	23.2	22.9	22.8	-0.1
10th Grade	33.1	35.0	35.1	36.8	38.5	42.8	41.1	39.7	38.8	38.1	35.5	34.7	32.2	30.0	30.4	30.8	30.4	29.2	30.4	30.3	28.6	28.9	28.9	26.9	24.3	23.8	-0.6
12th Grade	33.1	34.5	33.0	35.5	37.0	39.1	41.8	38.6	41.3	39.6	39.7	35.0	33.5	32.7	35.1	32.0	31.3	31.5	31.6	32.4	31.4	30.0	30.8	27.6	28.2	25.6	-2.6
The harmful effects of cigarettes have been exaggerated																											
8th Grade	19.9	21.8	22.4	24.4	23.1	25.3	22.4	23.8	22.7	21.6	21.4	22.0	20.5	22.1	20.4	21.1	20.8	20.9	21.2	22.3	20.5	21.4	21.2	20.8	19.6	19.2	-0.4
10th Grade	16.4	17.9	18.8	18.9	19.3	20.0	19.5	20.1	19.3	18.8	17.3	18.0	19.5	17.8	17.5	17.4	18.3	18.5	18.6	17.8	18.1	18.3	19.2	18.1	16.5	15.9	-0.5
12th Grade	13.8	13.0	13.6	14.9	14.4	12.8	14.0	13.4	14.5	16.8	15.8	12.7	13.1	13.1	13.1	14.1	14.2	14.5	15.0	12.8	13.8	14.4	14.0	12.8	11.9	13.0	+1.1
Smokers know how to enjoy life more than nonsmokers																											
8th Grade	4.9	5.0	5.4	6.3	5.9	6.7	5.4	5.8	6.1	5.4	5.5	5.2	5.3	5.9	5.4	5.7	5.1	5.2	5.6	6.7	5.6	5.8	6.0	6.5	5.6	6.1	+0.5
10th Grade	3.5	3.9	4.2	4.1	4.2	4.6	3.7	4.7	4.2	4.7	4.5	4.1	4.8	4.4	4.0	4.4	4.2	5.0	5.2	5.7	5.3	5.5	5.8	5.8	5.3	4.7	-0.6
12th Grade	3.6	3.3	3.5	3.8	4.0	3.5	3.2	3.8	4.3	3.7	5.5	4.1	3.5	3.5	3.4	3.8	3.2	4.2	3.9	8.1	7.7	3.9	5.7	5.1	5.8	5.5	-0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. For 8th graders: Ns range from 6,249 to 8,005. For 10th graders: Ns range from 6,135 to 7,807. For 12th graders: Ns range from 1,795 to 3,112.

TABLE 5
CIGARETTES: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 30 days															
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	
<i>Approximate weighted N =</i>	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	
Total	14.3	15.5	16.7	18.6	19.1	21.0	19.4	19.1	17.5	14.6	12.2	10.7	10.2	9.2	9.3	
Gender:																
Male	15.5	14.9	17.2	19.3	18.8	20.6	19.1	18.0	16.7	14.3	12.2	11.0	9.6	8.3	8.7	
Female	13.1	15.9	16.3	17.9	19.0	21.1	19.5	19.8	17.7	14.7	12.0	10.4	10.6	9.9	9.7	
College Plans:																
None or under 4 years	29.2	31.9	34.1	36.6	36.5	39.2	40.0	40.1	40.3	34.7	30.0	29.3	27.8	25.6	26.7	
Complete 4 years	11.8	13.1	14.3	16.1	16.8	18.2	16.9	16.5	14.5	12.2	10.0	8.9	8.3	7.4	7.4	
Region:																
Northeast	13.7	14.4	15.0	17.8	18.6	22.1	18.0	15.6	15.7	13.7	11.4	9.1	7.7	7.2	7.8	
Midwest	15.5	16.5	16.3	18.5	20.9	23.2	20.0	22.3	21.3	17.1	12.0	11.0	12.2	10.8	9.5	
South	15.7	17.0	18.2	19.5	19.4	21.1	21.0	21.1	18.7	14.7	14.3	13.0	11.7	10.3	11.6	
West	10.0	12.2	16.4	18.0	16.5	17.1	17.1	15.1	12.1	12.2	9.3	7.5	7.0	7.4	6.3	
Population Density:																
Large MSA	12.8	15.0	14.1	15.5	16.5	19.4	15.8	16.4	12.7	12.1	9.3	7.5	7.7	7.7	6.7	
Other MSA	14.9	15.3	17.8	20.7	19.4	21.4	19.7	17.7	16.0	13.1	11.6	10.6	9.8	8.9	9.8	
Non-MSA	14.8	16.4	17.9	17.8	21.5	22.1	22.8	24.8	26.1	21.1	16.9	14.9	14.4	11.6	11.8	
Parental Education: ^a																
1.0–2.0 (Low)	26.2	24.1	23.3	26.1	25.3	26.5	26.9	26.7	26.6	22.0	20.3	20.3	17.5	15.8	16.6	
2.5–3.0	16.4	16.9	19.8	20.6	22.7	24.4	22.4	23.9	23.5	19.6	16.4	14.5	14.8	12.2	13.4	
3.5–4.0	13.9	14.9	17.4	20.1	20.8	21.4	20.9	21.4	17.0	14.7	12.6	10.5	9.6	9.6	10.5	
4.5–5.0	10.1	13.3	12.5	14.9	14.9	18.4	16.2	14.2	12.3	10.2	8.3	7.8	6.7	6.7	5.9	
5.5–6.0 (High)	11.3	11.5	13.3	15.1	14.5	17.3	15.3	13.8	12.2	9.8	6.9	5.8	6.0	5.2	4.3	
Race/Ethnicity (2-year average): ^b																
White	—	16.2	17.8	18.9	20.7	22.7	22.8	21.5	20.1	17.7	14.7	12.0	10.9	10.0	9.4	
African American	—	5.3	6.6	8.7	8.9	9.6	10.9	10.6	10.7	9.6	8.2	7.7	6.9	6.9	7.1	
Hispanic	—	16.7	18.3	21.3	21.6	19.6	19.1	20.1	20.5	16.6	13.0	12.8	11.9	10.1	9.0	

Table continued on next page.

TABLE 5 (cont.)
CIGARETTES: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 30 days											2015-2016 change
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
<i>Approximate weighted N =</i>	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	14,400	16,900	
Total	8.7	7.1	6.8	6.5	7.1	6.1	4.9	4.5	4.0	3.6	2.6	-1.0 ss
Gender:												
Male	8.1	7.5	6.7	6.7	7.4	6.2	4.6	4.0	3.5	3.3	2.5	-0.8
Female	8.9	6.4	6.7	6.0	6.8	5.7	4.9	4.7	4.2	3.7	2.6	-1.0 s
College Plans:												
None or under 4 years	23.2	23.9	21.1	19.5	22.8	18.2	17.3	15.0	13.1	11.7	9.9	-1.7
Complete 4 years	7.1	5.4	5.5	5.3	5.7	5.1	3.9	3.8	3.1	2.8	2.0	-0.9 ss
Region:												
Northeast	6.7	3.7	5.9	5.6	6.0	4.4	4.2	3.5	3.4	2.2	2.0	-0.1
Midwest	9.3	7.8	8.1	7.0	8.6	6.4	3.9	4.4	3.5	4.5	3.2	-1.3
South	10.9	8.6	7.7	7.7	8.5	6.8	6.9	5.8	4.6	4.0	3.0	-1.1 s
West	5.7	5.8	5.2	4.6	4.0	6.1	3.0	3.0	3.9	2.9	2.0	-0.9
Population Density:												
Large MSA	6.4	4.7	5.2	4.2	4.8	4.0	3.6	2.5	2.8	2.2	1.4	-0.8
Other MSA	8.8	7.6	7.5	6.9	7.6	7.0	5.1	4.3	3.7	3.5	2.3	-1.2 s
Non-MSA	11.6	9.5	7.9	8.5	9.2	7.7	6.9	8.0	6.6	5.9	5.6	-0.3
Parental Education: ^a												
1.0–2.0 (Low)	14.7	13.8	12.1	10.5	11.4	9.2	7.6	6.3	5.8	5.9	4.7	-1.3
2.5–3.0	12.5	10.2	8.7	8.8	10.2	9.8	7.4	6.5	6.2	4.6	3.6	-1.0
3.5–4.0	8.8	7.8	7.3	7.1	8.0	6.3	5.7	5.6	4.8	3.5	2.6	-0.9
4.5–5.0	5.5	3.9	4.7	4.4	4.9	3.9	3.0	2.4	2.6	2.5	2.0	-0.4
5.5–6.0 (High)	4.8	2.4	4.1	3.5	2.9	3.1	2.6	2.9	1.7	2.1	1.4	-0.7
Race/Ethnicity (2-year average): ^b												
White	9.3	8.1	7.2	7.3	7.6	7.2	5.8	4.7	4.4	4.2	3.4	-0.8 s
African American	6.0	5.1	4.6	4.4	4.3	4.1	4.0	3.5	2.6	2.2	2.1	-0.1
Hispanic	8.8	8.0	7.0	6.5	6.7	6.9	5.5	4.0	3.5	3.0	2.5	-0.5

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 6
CIGARETTES: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 30 days														
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>
<i>Approximate weighted N =</i>	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200
Total	20.8	21.5	24.7	25.4	27.9	30.4	29.8	27.6	25.7	23.9	21.3	17.7	16.7	16.0	14.9
Gender:															
Male	20.8	20.6	24.6	26.6	27.7	30.1	28.2	26.2	25.2	23.8	20.9	16.7	16.2	16.2	14.5
Female	20.7	22.2	24.5	23.9	27.9	30.8	31.1	29.1	25.8	23.6	21.5	18.6	17.0	15.7	15.1
College Plans:															
None or under 4 years	36.5	35.0	41.9	42.2	46.3	46.2	47.2	45.2	44.0	38.6	38.1	33.3	33.0	33.1	29.4
Complete 4 years	17.3	18.6	21.0	21.7	24.7	27.8	26.8	24.5	22.7	21.5	18.5	15.1	14.0	13.6	12.9
Region:															
Northeast	22.4	21.9	27.1	24.5	27.8	31.7	29.3	30.1	28.0	23.9	18.1	15.9	16.6	16.6	14.9
Midwest	22.9	24.3	26.0	28.8	30.1	32.5	31.7	29.5	30.2	27.1	24.2	19.2	18.4	14.6	16.2
South	21.2	19.8	24.0	25.7	30.8	33.4	32.2	29.8	26.3	25.5	23.5	19.6	18.2	20.4	16.4
West	16.7	20.2	21.2	20.1	19.6	20.8	23.2	19.6	17.5	16.8	15.0	14.1	12.5	10.9	10.9
Population Density:															
Large MSA	19.7	21.6	22.5	22.3	23.3	26.2	26.6	22.5	22.9	23.1	17.3	14.2	13.1	12.0	11.7
Other MSA	20.3	20.3	23.8	26.3	28.9	31.1	28.9	26.6	25.0	21.3	20.5	17.6	16.6	16.6	14.7
Non-MSA	22.7	23.7	28.2	26.7	31.3	33.9	34.9	35.7	30.4	29.4	27.6	22.6	22.4	20.4	19.8
Parental Education: ^a															
1.0–2.0 (Low)	23.5	28.4	29.5	26.4	30.9	28.7	28.2	28.0	30.5	29.3	22.5	21.4	23.4	19.3	16.4
2.5–3.0	24.1	23.3	28.0	29.1	33.2	33.8	33.2	33.0	29.6	26.8	25.7	22.4	21.2	19.9	19.7
3.5–4.0	20.4	20.6	24.8	26.0	27.8	31.6	30.9	27.3	26.0	25.3	21.1	17.4	16.2	17.8	15.7
4.5–5.0	18.5	19.5	20.1	22.6	25.9	28.7	28.5	25.7	22.4	21.2	18.9	15.1	13.4	12.6	12.5
5.5–6.0 (High)	18.5	18.9	21.4	20.7	21.8	27.8	24.6	22.5	21.4	19.1	17.1	12.7	11.6	10.8	10.8
Race/Ethnicity (2-year average): ^b															
White	—	24.1	26.0	27.8	29.7	32.9	34.4	33.2	30.8	28.2	25.7	22.4	20.0	18.7	17.6
African American	—	6.6	7.5	9.8	11.5	12.2	12.8	13.7	12.5	11.1	11.1	9.8	8.9	9.2	8.7
Hispanic	—	18.3	20.5	19.4	21.4	23.7	23.0	21.3	21.1	19.6	16.8	14.3	13.2	13.9	13.5

Table continued on next page.

TABLE 6
CIGARETTES: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 30 days											2015-2016 change
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
Approximate weighted N =	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	15,600	14,700	
Total	14.5	14.0	12.3	13.1	13.6	11.8	10.8	9.1	7.2	6.3	4.9	-1.5 ss
Gender:												
Male	13.4	14.6	12.7	13.7	15.0	13.4	12.0	10.5	7.7	6.1	5.0	-1.1
Female	15.5	13.3	11.9	12.5	12.1	10.0	9.6	7.5	6.6	6.3	4.4	-1.8 ss
College Plans:												
None or under 4 years	32.7	30.1	30.1	29.0	32.5	28.5	27.6	23.3	19.4	17.6	14.5	-3.1
Complete 4 years	12.1	11.8	10.0	11.3	11.3	9.9	9.0	7.4	5.8	5.1	3.8	-1.3 ss
Region:												
Northeast	11.8	13.1	10.1	11.1	12.1	12.2	10.9	7.2	6.7	6.1	4.4	-1.7
Midwest	18.1	17.1	14.5	12.9	14.5	11.8	9.7	9.3	8.0	7.0	4.7	-2.3 s
South	15.6	14.4	14.0	16.7	15.4	13.8	13.6	11.8	7.7	7.0	5.5	-1.6
West	10.9	11.1	9.6	10.1	11.1	8.5	7.6	6.9	5.8	4.7	4.5	-0.2
Population Density:												
Large MSA	11.5	12.1	10.3	11.4	11.1	9.5	8.4	5.8	5.9	4.9	4.4	-0.5
Other MSA	13.3	13.9	12.3	13.0	13.5	11.5	10.2	9.5	6.0	5.7	4.3	-1.4
Non-MSA	22.4	17.2	15.4	16.1	17.5	15.7	15.4	13.0	12.3	10.4	7.2	-3.2 s
Parental Education: ^a												
1.0–2.0 (Low)	20.4	17.5	15.7	18.2	18.8	14.6	15.4	12.8	9.7	9.3	5.5	-3.7 s
2.5–3.0	19.7	18.4	15.8	16.5	18.6	16.2	14.4	13.6	9.1	8.7	7.1	-1.6
3.5–4.0	15.5	14.7	13.9	13.8	15.1	12.7	11.2	10.2	8.4	7.8	5.3	-2.4 ss
4.5–5.0	10.8	11.3	9.6	10.9	10.0	8.6	9.6	6.0	5.2	5.0	3.5	-1.5 s
5.5–6.0 (High)	10.0	9.7	7.8	8.9	7.7	8.0	7.1	4.9	4.9	3.3	3.4	+0.1
Race/Ethnicity (2-year average): ^b												
White	16.6	16.2	15.1	14.4	14.7	14.3	12.9	11.4	9.5	7.8	6.8	-1.0 ss
African American	8.0	7.1	6.5	6.8	6.7	7.1	6.7	5.3	4.2	3.8	2.6	-1.2 s
Hispanic	12.1	10.5	11.1	12.1	12.2	10.5	8.3	8.3	6.8	5.3	4.0	-1.2 ss

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 7
CIGARETTES: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days															
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Approximate weighted N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200
Total	36.7	38.8	38.4	36.7	34.4	30.5	29.4	30.0	30.3	29.3	30.1	29.6	29.4	28.7	28.6	29.4
Gender:																
Male	37.2	37.7	36.6	34.5	31.2	26.8	26.5	26.8	28.0	25.9	28.2	27.9	27.0	28.0	27.7	29.1
Female	35.9	39.1	39.6	38.1	37.1	33.4	31.6	32.6	31.6	31.9	31.4	30.6	31.4	28.9	29.0	29.2
College Plans:																
None or under 4 years	—	46.3	46.2	44.6	43.0	39.6	38.1	38.7	38.0	37.9	40.5	38.5	39.7	37.5	38.0	37.5
Complete 4 years	—	29.8	29.4	27.4	26.0	22.3	22.3	22.1	23.3	22.7	22.8	24.0	24.3	24.4	24.1	25.4
Region:																
Northeast	40.1	41.8	43.0	40.6	37.0	34.1	31.5	32.1	34.6	33.5	34.2	35.2	34.1	31.2	29.4	31.9
Midwest	39.5	41.3	40.5	39.0	36.6	31.5	32.4	33.5	33.2	31.4	34.1	32.5	31.7	31.1	34.9	34.0
South	36.2	39.1	37.6	35.7	35.4	31.8	28.9	29.4	28.7	28.6	25.6	26.1	26.0	28.0	26.4	26.1
West	26.3	28.3	27.7	27.3	24.8	21.2	21.8	20.4	21.8	22.9	26.3	23.3	26.6	23.9	22.7	25.1
Population Density:																
Large MSA	39.7	40.4	40.9	37.5	33.4	31.2	30.6	32.1	30.8	31.3	31.9	30.8	29.3	26.9	25.9	27.9
Other MSA	35.1	35.9	36.1	34.3	33.5	29.7	27.4	27.8	29.1	28.2	28.5	28.0	28.2	28.3	28.2	29.6
Non-MSA	36.7	40.9	39.2	39.4	36.4	30.9	30.9	31.2	31.5	29.3	30.8	31.0	31.8	31.4	32.2	30.4
Parental Education: ^a																
1.0–2.0 (Low)	37.2	43.2	39.6	38.1	38.1	32.7	32.5	32.6	32.7	33.6	32.3	28.6	28.8	28.1	25.4	26.3
2.5–3.0	37.0	41.2	40.8	39.3	35.9	34.2	31.7	32.0	32.2	31.8	32.3	32.3	31.4	29.9	30.8	30.8
3.5–4.0	31.9	35.3	37.3	34.0	33.3	28.0	28.2	29.0	28.0	28.1	29.7	29.7	28.8	27.8	29.4	29.3
4.5–5.0	32.3	35.0	33.0	32.6	30.1	25.7	26.0	25.5	27.8	25.2	27.7	26.4	27.6	28.6	27.0	29.1
5.5–6.0 (High)	26.8	30.8	32.8	31.9	29.6	24.0	22.5	25.1	25.5	23.7	22.6	26.7	29.3	27.8	26.3	28.6
Race/Ethnicity (2-year average): ^b																
White	—	—	38.3	37.6	36.0	33.0	30.5	30.7	31.3	31.2	31.3	31.9	32.1	32.2	32.2	32.3
African American	—	—	36.7	32.7	30.2	26.8	23.7	21.8	21.2	19.3	18.1	16.9	14.2	13.3	12.6	12.2
Hispanic	—	—	35.7	32.8	26.8	22.6	23.2	24.7	24.7	25.3	25.5	23.7	22.7	21.9	20.6	21.7

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TABLE 7 (cont.)
CIGARETTES: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days														
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<i>Approximate weighted N =</i>	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700
Total	28.3	27.8	29.9	31.2	33.5	34.0	36.5	35.1	34.6	31.4	29.5	26.7	24.4	25.0	23.2
Gender:															
Male	29.0	29.2	30.7	32.9	34.5	34.9	37.3	36.3	35.4	32.8	29.7	27.4	26.2	25.3	24.8
Female	27.5	26.1	28.7	29.2	32.0	32.4	35.2	33.3	33.5	29.7	28.7	25.5	22.1	24.1	20.7
College Plans:															
None or under 4 years	38.1	38.6	37.3	40.9	43.5	45.0	45.7	46.7	44.9	43.6	40.8	37.5	36.2	36.8	34.8
Complete 4 years	24.2	23.8	27.3	28.0	29.9	30.8	33.1	31.3	31.4	27.3	25.9	23.6	20.8	21.6	20.0
Region:															
Northeast	30.5	29.6	34.2	33.2	34.4	38.5	40.6	35.9	34.2	33.1	30.3	27.3	25.0	25.9	22.0
Midwest	34.6	31.7	33.2	36.2	37.8	37.7	39.3	40.0	37.8	35.6	35.9	31.7	27.3	28.3	26.8
South	25.4	26.4	29.0	30.7	33.5	33.2	35.0	34.3	36.2	29.6	25.9	27.2	24.3	24.6	24.6
West	23.2	22.8	22.9	24.0	26.5	24.4	30.5	29.1	27.6	28.1	25.2	19.4	20.7	20.1	17.5
Population Density:															
Large MSA	26.2	25.6	29.5	29.0	33.9	32.1	34.9	32.9	30.0	27.4	27.3	24.8	18.9	20.8	20.8
Other MSA	29.3	26.9	29.8	31.1	31.7	32.6	35.7	34.2	35.0	31.5	28.2	26.2	25.1	26.3	22.6
Non-MSA	28.6	31.5	30.3	33.8	36.2	38.2	40.0	39.7	38.7	36.3	34.3	30.1	30.4	27.6	27.4
Parental Education: ^a															
1.0–2.0 (Low)	31.3	27.1	26.5	26.2	31.2	31.5	31.2	32.3	33.0	31.3	24.8	20.9	23.5	21.0	19.1
2.5–3.0	28.7	30.3	30.4	32.8	35.0	35.5	36.5	36.0	37.3	32.2	31.5	28.9	27.0	28.7	27.3
3.5–4.0	28.4	27.8	29.9	31.4	33.2	33.2	35.6	36.7	35.0	32.8	30.3	28.6	24.3	26.3	24.8
4.5–5.0	26.9	25.8	30.1	32.0	32.6	34.5	37.5	34.2	32.4	30.2	29.3	25.0	22.6	23.8	21.8
5.5–6.0 (High)	27.1	25.5	30.5	30.4	34.0	32.9	38.5	33.1	34.4	27.4	25.0	25.3	21.0	19.9	18.0
Race/Ethnicity (2-year average): ^b															
White	32.2	31.8	33.2	35.2	36.6	38.1	40.7	41.7	40.1	37.9	35.3	32.5	29.4	28.2	27.6
African American	10.6	8.7	9.5	10.9	12.9	14.2	14.3	14.9	14.9	14.3	13.3	12.1	10.0	10.1	10.7
Hispanic	24.0	25.0	24.2	23.6	25.1	25.4	25.9	26.6	27.3	27.7	23.8	21.3	19.0	18.5	17.1

Table continued on next page.

TABLE 7 (cont.)
CIGARETTES: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days											2015-2016 change
	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	
Approximate weighted N =	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	12,900	11,800	
Total	21.6	21.6	20.4	20.1	19.2	18.7	17.1	16.3	13.6	11.4	10.5	-0.9
Gender:												
Male	22.4	23.1	21.5	22.1	21.9	21.5	19.3	18.4	15.2	13.0	12.7	-0.3
Female	20.1	19.6	19.1	17.6	15.7	15.1	14.5	13.2	11.6	9.1	8.1	-1.1
College Plans:												
None or under 4 years	32.9	32.4	32.4	31.2	31.2	32.2	27.9	28.9	25.3	21.9	19.2	-2.6
Complete 4 years	18.6	19.0	17.6	17.3	16.3	15.6	14.7	13.0	10.8	8.9	8.4	-0.5
Region:												
Northeast	23.1	23.8	19.7	18.9	18.2	17.8	18.8	17.0	11.7	10.8	10.9	+0.1
Midwest	23.6	24.7	22.1	25.7	21.5	21.8	21.0	16.5	13.8	12.7	12.0	-0.7
South	23.2	21.9	22.4	20.0	20.5	18.4	15.6	18.6	15.4	12.5	10.8	-1.7
West	15.0	15.8	15.8	14.7	15.3	16.4	13.9	12.1	11.9	8.6	8.3	-0.3
Population Density:												
Large MSA	20.7	19.9	18.8	17.7	18.7	17.2	15.8	14.5	11.7	9.3	8.4	-0.9
Other MSA	20.3	20.8	19.5	19.1	17.9	18.1	15.6	15.5	12.9	10.5	9.9	-0.6
Non-MSA	25.3	25.9	24.3	25.5	23.1	22.3	23.1	20.9	17.8	17.0	15.1	-1.9
Parental Education: ^a												
1.0–2.0 (Low)	21.1	20.5	18.5	19.9	17.0	18.2	17.0	18.2	14.8	12.9	9.9	-3.0
2.5–3.0	24.7	24.7	22.4	23.2	21.6	22.4	19.0	18.2	16.1	13.9	12.0	-1.9
3.5–4.0	22.9	21.6	21.3	21.0	20.9	19.6	20.1	18.5	14.2	12.2	11.9	-0.3
4.5–5.0	19.2	20.5	18.6	18.0	17.5	15.9	15.7	14.1	12.0	9.7	9.1	-0.7
5.5–6.0 (High)	17.4	18.4	19.2	15.3	12.8	14.3	11.2	9.5	9.4	7.5	7.6	+0.1
Race/Ethnicity (2-year average): ^b												
White	25.9	24.9	24.7	23.9	22.9	22.2	21.2	19.4	17.5	15.0	13.2	-1.7 ss
African American	10.5	10.8	10.3	9.8	10.1	9.7	8.6	9.6	9.0	6.9	6.0	-0.9
Hispanic	16.0	15.3	15.0	15.7	15.0	14.3	13.2	12.4	11.4	9.6	8.2	-1.5 s

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.