

**TABLE 11**  
**Smokeless Tobacco: Trends in Thirty-Day Prevalence of Use by Subgroups for Twelfth Graders**

	Percentage who used in last thirty days																				'05-'06 change	
	1975-85	1986	1987	1988	1989	1990-91 <sup>a</sup>	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005		2006
	Class of:																					
<i>Approx. N =</i>	—	15,200	16,300	16,300	16,700	—	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	14,200	
Total	—	11.5	11.3	10.3	8.4	—	11.4	10.7	11.1	12.2	9.8	9.7	8.8	8.4	7.6	7.8	6.5	6.7	6.7	7.6	6.1	-1.5
Gender:																						
Male	—	22.3	22.8	19.9	15.9	—	20.8	19.7	20.3	23.6	19.5	18.7	15.6	15.5	14.4	14.2	12.2	12.5	12.2	12.7	11.0	-1.7
Female	—	1.6	0.7	1.7	1.2	—	2.0	2.3	2.6	1.8	1.1	1.2	1.5	1.3	1.3	1.6	1.2	1.0	1.6	1.9	1.5	-0.4
College Plans:																						
None or under 4 years	—	14.5	15.5	13.1	9.6	—	18.0	14.9	15.8	18.7	17.6	16.9	14.3	10.5	15.8	13.0	10.8	12.8	11.9	15.2	13.4	-1.8
Complete 4 years	—	9.8	9.0	8.8	7.7	—	9.4	9.4	9.3	9.9	7.6	7.4	7.1	7.6	5.4	6.1	4.8	4.8	4.9	5.4	4.1	-1.3
Region:																						
Northeast	—	9.5	7.3	5.9	5.0	—	8.2	9.6	12.0	9.6	8.4	6.9	2.6	4.3	5.3	5.4	5.3	6.3	5.1	8.0	5.3	-2.7
North Central	—	13.5	11.3	10.8	8.3	—	12.3	13.6	14.7	16.7	12.6	13.4	11.8	8.9	11.1	9.9	7.8	5.7	7.4	10.5	7.0	-3.5
South	—	12.2	13.7	12.1	9.8	—	12.5	11.1	9.7	11.9	9.2	9.0	10.5	10.7	7.3	8.5	7.9	7.9	8.4	7.5	7.5	-0.1
West	—	9.3	11.7	10.9	9.1	—	11.1	7.0	8.5	8.6	8.5	9.1	7.3	7.0	6.3	6.2	3.9	6.0	4.3	4.0	3.4	-0.6
Population Density:																						
Large MSA	—	9.0	6.4	7.7	6.8	—	5.9	7.1	7.5	12.5	8.6	6.5	4.7	4.9	4.2	4.4	3.4	3.4	3.8	4.3	4.8	+0.4
Other MSA	—	8.9	10.5	8.5	7.6	—	11.1	9.9	11.3	9.5	7.4	7.4	7.7	8.5	7.9	8.0	5.7	6.9	5.6	7.8	4.6	-3.2
Non-MSA	—	17.1	17.5	16.1	11.7	—	16.9	15.0	14.7	16.7	15.3	17.9	16.1	11.7	11.4	11.5	11.9	10.4	12.1	11.3	10.9	-0.4
Parental Education: <sup>b</sup>																						
1.0-2.0 (Low)	—	8.6	11.7	10.7	5.3	—	14.9	7.0	12.3	9.8	6.3	5.8	6.1	5.4	4.3	6.3	4.1	9.3	6.1	5.3	4.9	-0.4
2.5-3.0	—	14.4	11.5	10.7	7.0	—	12.4	11.6	12.9	11.5	10.4	10.7	9.0	9.1	9.9	7.5	5.6	5.9	8.8	9.7	8.0	-1.7
3.5-4.0	—	11.5	12.1	10.6	9.0	—	12.4	10.8	9.8	12.8	9.1	10.4	9.8	8.8	8.9	8.6	7.4	6.5	4.6	7.8	6.4	-1.4
4.5-5.0	—	10.4	11.7	11.8	10.2	—	8.0	13.3	11.1	12.8	11.4	9.1	9.6	8.5	6.2	6.2	7.3	7.6	7.9	8.0	6.1	-1.8
5.5-6.0 (High)	—	7.7	8.1	7.2	8.4	—	10.6	7.8	10.2	11.6	8.1	9.9	7.4	7.9	5.7	10.3	4.6	6.2	5.4	3.7	3.5	-0.2
Race (2-year average): <sup>c</sup>																						
White	—	—	12.9	12.0	10.6	—	—	13.8	13.8	13.8	13.0	12.2	11.8	11.0	10.5	10.3	9.7	8.5	8.2	8.7	8.8	+0.1
Black	—	—	2.1	4.5	4.5	—	—	2.0	1.9	2.1	2.7	2.2	1.4	1.5	1.5	1.2	1.0	1.0	0.6	0.3	0.5	+0.2
Hispanic	—	—	4.4	5.2	5.1	—	—	6.0	5.4	7.6	8.1	5.3	4.3	3.9	3.8	3.2	2.6	3.1	3.9	4.9	3.8	-1.1

*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 of use estimates for the two most recent classes is due to rounding error. Data based on one of six forms; N is one-sixth of N indicated.

**Caution: Limited sample sizes (see "Notes" above). Use caution in interpreting subgroup trends.**

<sup>a</sup>Prevalence of smokeless tobacco use was not asked of 12th graders in 1990 and 1991. Prior to 1990 the prevalence of use question on smokeless tobacco was located near the end of one 12th-grade questionnaire form, whereas after 1991 the question was placed earlier and in a different form. This shift could explain the discontinuities in the data.

<sup>b</sup>Parental education is an average score of mother's education and father's education. See Appendix B for details.

<sup>c</sup>To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample size and thus provide more stable estimates. For the data beginning in 2005, see the race/ethnicity note at the end of Appendix D.