

**TABLE 6**

**Smokeless Tobacco: Trends in Thirty-Day Prevalence of Use by Subgroups for Eighth and Tenth Graders**

|                                     | Percent who used in last thirty days   |      |      |      |      |      |      |      |      |      |      |                |  |      |      |      |      |      |      |      |      |      |      |                |
|-------------------------------------|--|------|------|------|------|------|------|------|------|------|------|----------------|--|------|------|------|------|------|------|------|------|------|------|----------------|
|                                     | 8th Grade  |      |      |      |      |      |      |      |      |      |      |                | 10th Grade   |      |      |      |      |      |      |      |      |      |      |                |
|                                     | 1991   | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | '00-'01 change | 1991   | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | '00-'01 change |
|                                     | <i>Approx. N = 17500 18600 18300 17300 17500 17800 18600 18100 16700 16700 16200</i> |      |      |      |      |      |      |      |      |      |      |                | <i>14800 14800 15300 15800 17000 15600 15500 15000 13600 14300 14000</i> |      |      |      |      |      |      |      |      |      |      |                |
| Total                               | 6.9  | 7.0  | 6.6  | 7.7  | 7.1  | 7.1  | 5.5  | 4.8  | 4.5  | 4.2  | 4.0  | -0.2           | 10.0   | 9.6  | 10.4 | 10.5 | 9.7  | 8.6  | 8.9  | 7.5  | 6.5  | 6.1  | 6.9  | +0.8           |
| Gender:                             |  |      |      |      |      |      |      |      |      |      |      |                |  |      |      |      |      |      |      |      |      |      |      |                |
| Male                                | 12.7   | 12.5 | 10.9 | 12.8 | 11.8 | 11.4 | 9.9  | 8.1  | 6.9  | 6.7  | 6.9  | +0.2           | 18.7   | 18.1 | 19.3 | 19.2 | 17.2 | 15.0 | 14.9 | 13.8 | 12.2 | 11.4 | 12.7 | +1.3           |
| Female                              | 1.4  | 2.0  | 2.7  | 2.4  | 2.9  | 2.9  | 1.5  | 1.5  | 2.1  | 1.8  | 1.4  | -0.4           | 1.3  | 1.8  | 2.0  | 2.1  | 2.1  | 2.3  | 2.7  | 1.7  | 1.3  | 1.3  | 1.6  | +0.3           |
| College Plans:                      |  |      |      |      |      |      |      |      |      |      |      |                |  |      |      |      |      |      |      |      |      |      |      |                |
| None or under 4 yrs.                | 12.7   | 17.1 | 15.5 | 16.7 | 15.4 | 16.4 | 12.6 | 13.9 | 13.2 | 11.4 | 14.6 | +3.2           | 16.9   | 17.5 | 20.2 | 19.9 | 20.3 | 16.3 | 18.5 | 17.8 | 13.2 | 13.9 | 16.0 | +2.2           |
| Complete 4 yrs.                     | 6.1  | 5.5  | 5.3  | 6.5  | 6.0  | 5.6  | 4.6  | 3.8  | 3.5  | 3.4  | 2.9  | -0.5           | 8.4  | 8.0  | 8.4  | 8.5  | 7.8  | 7.2  | 7.2  | 5.7  | 5.4  | 4.8  | 5.4  | +0.6           |
| Region:                             |  |      |      |      |      |      |      |      |      |      |      |                |  |      |      |      |      |      |      |      |      |      |      |                |
| Northeast                           | 5.0  | 4.9  | 3.4  | 6.1  | 5.4  | 4.9  | 3.2  | 2.7  | 2.5  | 2.7  | 3.7  | +1.0           | 8.6  | 5.3  | 8.0  | 9.0  | 7.6  | 6.8  | 9.3  | 6.5  | 5.2  | 4.6  | 4.9  | +0.3           |
| North Central                       | 7.1  | 7.5  | 7.2  | 7.1  | 7.6  | 8.3  | 6.8  | 4.3  | 5.3  | 4.8  | 4.0  | -0.8           | 11.0   | 9.6  | 10.0 | 10.0 | 11.0 | 9.5  | 7.1  | 7.9  | 8.1  | 6.2  | 7.0  | +0.8           |
| South                               | 9.5  | 9.3  | 8.0  | 9.9  | 8.7  | 8.1  | 6.7  | 6.9  | 5.9  | 5.8  | 5.4  | -0.4           | 11.6   | 11.4 | 11.8 | 11.7 | 10.9 | 10.2 | 10.2 | 9.5  | 7.9  | 7.7  | 9.6  | +1.9           |
| West                                | 3.5  | 4.4  | 6.3  | 6.0  | 5.0  | 5.9  | 4.1  | 3.9  | 2.9  | 1.9  | 2.1  | +0.2           | 7.8  | 10.9 | 11.1 | 10.9 | 7.7  | 6.0  | 8.2  | 4.6  | 4.0  | 4.5  | 3.0  | -1.5           |
| Population Density:                 |  |      |      |      |      |      |      |      |      |      |      |                |  |      |      |      |      |      |      |      |      |      |      |                |
| Large MSA                           | 4.8  | 4.2  | 3.3  | 4.6  | 4.1  | 4.2  | 3.6  | 2.9  | 1.8  | 2.4  | 2.4  | 0.0            | 5.9  | 6.4  | 6.5  | 6.2  | 5.9  | 5.5  | 4.2  | 3.7  | 4.6  | 5.6  | 4.1  | -1.5           |
| Other MSA                           | 6.2  | 6.9  | 6.8  | 6.4  | 6.7  | 7.1  | 4.7  | 4.1  | 3.9  | 3.9  | 3.5  | -0.5           | 9.2  | 9.3  | 10.1 | 10.9 | 9.2  | 8.4  | 8.3  | 5.7  | 5.3  | 4.3  | 5.7  | +1.4           |
| Non-MSA                             | 10.4   | 10.3 | 9.9  | 13.0 | 11.2 | 10.6 | 9.0  | 8.5  | 8.9  | 7.0  | 7.0  | -0.1           | 14.7   | 13.3 | 14.1 | 13.9 | 15.0 | 12.2 | 14.7 | 15.1 | 11.3 | 9.8  | 12.5 | +2.7           |
| Parental Education: <sup>a</sup>    |  |      |      |      |      |      |      |      |      |      |      |                |  |      |      |      |      |      |      |      |      |      |      |                |
| 1.0-2.0 (Low)                       | 11.4   | 7.8  | 9.4  | 8.9  | 10.6 | 6.3  | 8.3  | 5.4  | 6.6  | 7.4  | 5.0  | -2.5           | 6.6  | 10.1 | 10.9 | 9.4  | 9.6  | 8.1  | 9.0  | 6.8  | 7.2  | 7.4  | 6.9  | -0.5           |
| 2.5-3.0                             | 8.4  | 8.5  | 7.5  | 8.4  | 9.9  | 8.8  | 6.0  | 5.1  | 5.7  | 5.2  | 5.4  | +0.2           | 12.1   | 11.0 | 12.2 | 12.5 | 10.4 | 9.7  | 9.4  | 8.2  | 7.0  | 6.4  | 8.9  | +2.5           |
| 3.5-4.0                             | 6.7  | 7.0  | 7.5  | 8.7  | 7.0  | 7.2  | 6.5  | 5.9  | 4.5  | 4.5  | 3.7  | -0.9           | 10.6   | 10.5 | 10.9 | 10.2 | 10.9 | 8.3  | 10.3 | 8.6  | 7.3  | 6.3  | 7.1  | +0.8           |
| 4.5-5.0                             | 4.8  | 7.0  | 5.2  | 6.1  | 5.0  | 6.8  | 4.8  | 4.4  | 3.3  | 2.9  | 2.5  | -0.4           | 9.3  | 7.6  | 9.9  | 9.8  | 9.8  | 8.5  | 7.2  | 6.9  | 6.1  | 6.2  | 5.7  | -0.5           |
| 5.5-6.0 (High)                      | 6.1  | 4.6  | 4.9  | 6.8  | 5.8  | 5.9  | 3.7  | 3.9  | 3.1  | 3.0  | 4.2  | +1.2           | 8.6  | 8.1  | 7.0  | 8.9  | 6.0  | 7.7  | 8.3  | 5.2  | 4.8  | 4.0  | 4.8  | +0.9           |
| Race (2-year average): <sup>b</sup> |  |      |      |      |      |      |      |      |      |      |      |                |  |      |      |      |      |      |      |      |      |      |      |                |
| White                               | —  | 8.3  | 8.0  | 8.1  | 8.9  | 8.8  | 7.6  | 6.1  | 5.4  | 5.2  | 4.8  | -0.3           | —  | 11.4 | 12.0 | 12.5 | 12.0 | 11.0 | 10.4 | 10.0 | 8.7  | 7.5  | 7.5  | 0.0            |
| Black                               | —  | 1.8  | 2.7  | 3.2  | 2.6  | 2.2  | 2.6  | 2.3  | 2.3  | 2.7  | 2.2  | -0.5           | —  | 2.9  | 2.3  | 2.3  | 2.5  | 2.5  | 2.8  | 2.3  | 1.6  | 2.0  | 3.2  | +1.2           |
| Hispanic                            | —  | 4.2  | 4.0  | 5.0  | 5.7  | 5.2  | 4.6  | 4.5  | 4.6  | 3.7  | 3.3  | -0.4           | —  | 6.2  | 6.1  | 4.3  | 3.6  | 4.0  | 4.6  | 4.8  | 4.8  | 4.5  | 4.0  | -0.5           |

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 two forms in 1991-96 and on two of four forms beginning in 1997; N is one-half of N indicated.

SOURCE: The Monitoring the Future Study, the University of Michigan.

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

<sup>b</sup>To 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.