

TABLE 8
Trends in 30-Day Prevalence of Use of Cigarettes 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 | 1991 |
| <i>Approximate N =</i> | 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 |
| 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 | 28.3 |
| 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 | 29.0 |
| 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 | 27.5 |
| 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 | 38.1 |
| 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 | 24.2 |
| 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 | 30.5 |
| 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 | 34.6 |
| 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 | 25.4 |
| 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 | 23.2 |
| 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 | 26.2 |
| 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 | 29.3 |
| 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 | 28.6 |
| 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 | 31.3 |
| 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 | 28.7 |
| 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 | 28.4 |
| 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 | 26.9 |
| 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 | 27.1 |
| Race (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 | 32.2 |
| Black | — | — | 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 | 10.6 |
| 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 | 24.0 |

Cont. →

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.

^aParental education is an average score of mother's education and father's education. See appendix B in *Volume I* 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 size and thus provide more stable estimates.

For the data beginning in 2005, see the race/ethnicity note at the end of appendix D in *Volume I*.

(Table continued on next page.)

TABLE 8 (cont.)
Trends in 30-Day Prevalence of Use of Cigarettes by Subgroups in Grade 12

| | Percentage who used in last 30 days | | | | | | | | | | | | | | | | | 2007– 2008 change | |
|-------------------------------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------------|--|
| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | | |
| <i>Approximate N =</i> | 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 | 14,500 | 14,000 | | |
| Total | 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 | 21.6 | 21.6 | 20.4 | -1.2 | |
| Gender: | | | | | | | | | | | | | | | | | | | |
| Male | 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 | 22.4 | 23.1 | 21.5 | -1.5 | |
| Female | 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 | 20.1 | 19.6 | 19.1 | -0.6 | |
| College Plans: | | | | | | | | | | | | | | | | | | | |
| None or under 4 years | 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 | 32.9 | 32.4 | 32.4 | 0.0 | |
| Complete 4 years | 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 | 18.6 | 19.0 | 17.6 | -1.4 | |
| Region: | | | | | | | | | | | | | | | | | | | |
| Northeast | 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 | 23.1 | 23.8 | 19.7 | -4.0 | |
| Midwest | 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 | 23.6 | 24.7 | 22.1 | -2.7 | |
| South | 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 | 23.2 | 21.9 | 22.4 | +0.5 | |
| West | 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 | 15.0 | 15.8 | 15.8 | 0.0 | |
| Population Density: | | | | | | | | | | | | | | | | | | | |
| Large MSA | 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 | 20.7 | 19.9 | 18.8 | -1.1 | |
| Other MSA | 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 | 20.3 | 20.8 | 19.5 | -1.3 | |
| Non-MSA | 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 | 25.3 | 25.9 | 24.3 | -1.6 | |
| Parental Education: ^a | | | | | | | | | | | | | | | | | | | |
| 1.0–2.0 (Low) | 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 | 21.1 | 20.5 | 18.5 | -2.0 | |
| 2.5–3.0 | 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 | 24.7 | 24.7 | 22.4 | -2.4 | |
| 3.5–4.0 | 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 | 22.9 | 21.6 | 21.3 | -0.3 | |
| 4.5–5.0 | 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 | 19.2 | 20.5 | 18.6 | -1.9 | |
| 5.5–6.0 (High) | 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 | 17.4 | 18.4 | 19.2 | +0.8 | |
| Race (2-year average): ^b | | | | | | | | | | | | | | | | | | | |
| White | 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 | 25.9 | 24.9 | 24.7 | -0.3 | |
| Black | 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 | 10.5 | 10.8 | 10.3 | -0.5 | |
| Hispanic | 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 | 16.0 | 15.3 | 15.0 | -0.3 | |

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.

^aParental education is an average score of mother's education and father's education. See appendix B in *Volume I* 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 size and thus provide more stable estimates.

For the data beginning in 2005, see the race/ethnicity note at the end of appendix D in *Volume I*.