

TABLE 1
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> | → (Years cont.) |
|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|
| Lifetime | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 44.0 | 45.2 | 45.3 | 46.1 | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 55.1 | 53.5 | 56.3 | 56.9 | |
| 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 | |
| 30-Day | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 14.3 | 15.5 | 16.7 | 18.6 | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.8 | 21.5 | 24.7 | 25.4 | |
| 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 | |
| Daily | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 7.2 | 7.0 | 8.3 | 8.8 | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 12.6 | 12.3 | 14.2 | 14.6 | |
| 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 | |
| 1/2 Pack+ per Day | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3.1 | 2.9 | 3.5 | 3.6 | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 6.5 | 6.0 | 7.0 | 7.6 | |
| 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 | |
| Approximate Ns | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 17,500 | 18,600 | 18,300 | 17,300 | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 14,800 | 14,800 | 15,300 | 15,800 | |
| 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 | |

(Table continued on next page.)

TABLE 1 (cont.)
Trends in Prevalence of Use of CIGARETTES in Grades 8, 10, and 12
(Entries are percentages.)

| | <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> | <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>2013– 2014 change</u> | |
|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------------|----|
| Lifetime | | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 46.4 | 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 | -1.3 | |
| 10th Grade | 57.6 | 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 | -3.1 | ss |
| 12th Grade | 64.2 | 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 | -3.7 | ss |
| 30-Day | | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 19.1 | 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 | -0.5 | |
| 10th Grade | 27.9 | 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 | -1.9 | ss |
| 12th Grade | 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 | 20.1 | 19.2 | 18.7 | 17.1 | 16.3 | 13.6 | -2.7 | ss |
| Daily | | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 9.3 | 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 | -0.4 | |
| 10th Grade | 16.3 | 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 | -1.3 | ss |
| 12th Grade | 21.6 | 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 | -1.7 | ss |
| 1/2 Pack+ per Day | | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 3.4 | 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 | -0.2 | |
| 10th Grade | 8.3 | 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 | -0.3 | |
| 12th Grade | 12.4 | 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 | -0.8 | s |
| Approximate Ns | | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 17,500 | 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 | | |
| 10th Grade | 17,000 | 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 | | |
| 12th Grade | 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 | 13,700 | 14,400 | 14,100 | 13,700 | 12,600 | 12,400 | | |

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 2
Trends in Availability and Attitudes about Smoking 1 or More Packs
of Cigarettes per Day for 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> | → (Years cont.) |
|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|
| Perceived Risk ^a | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 51.6 | 50.8 | 52.7 | 50.8 | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 60.3 | 59.3 | 60.7 | 59.0 | |
| 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 | |
| Disapproval ^b | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 82.8 | 82.3 | 80.6 | 78.4 | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 79.4 | 77.8 | 76.5 | 73.9 | |
| 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 | |
| Availability ^c | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 77.8 | 75.5 | 76.1 | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 89.1 | 89.4 | 90.3 | |
| Approximate Ns | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 17,500 | 18,600 | 18,300 | 17,300 | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 14,800 | 14,800 | 15,300 | 15,800 | |
| 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 | |

(Table continued on next page.)

TABLE 2 (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.)

| | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2013– 2014 change |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------------|
| Perceived Risk^a | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 49.8 | 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 | -0.3 |
| 10th Grade | 57.0 | 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 | +1.3 |
| 12th Grade | 65.6 | 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 | -0.2 |
| Disapproval^b | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 78.6 | 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 | -0.5 |
| 10th Grade | 73.2 | 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 | +1.9 s |
| 12th Grade | 68.2 | 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 | +2.4 |
| Availability^c | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 76.4 | 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 | -2.6 ss |
| 10th Grade | 90.7 | 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 | -2.4 ss |
| Approximate Ns | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 17,500 | 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 | |
| 10th Grade | 17,000 | 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 | |
| 12th Grade | 2,600 | 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 | |

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 3
Trends in Various Attitudes toward Cigarette Use for Grades 8, 10, and 12

Percentage who report mostly agree or agree

| | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

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 4
Trends in Prevalence of Use of SMOKELESS TOBACCO in 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 | → (Years cont.) |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|--------|--------|------|--------|--------|--------|--------|-----------------------|
| Lifetime | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 22.2 | 20.7 | 18.7 | 19.9 | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 28.2 | 26.6 | 28.1 | 29.2 | |
| 12th Grade | — | — | — | — | — | — | — | — | — | — | — | 31.4 | 32.2 | 30.4 | 29.2 | — | — | 32.4 | 31.0 | 30.7 | |
| 30-Day | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 6.9 | 7.0 | 6.6 | 7.7 | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 10.0 | 9.6 | 10.4 | 10.5 | |
| 12th Grade | — | — | — | — | — | — | — | — | — | — | — | 11.5 | 11.3 | 10.3 | 8.4 | — | — | 11.4 | 10.7 | 11.1 | |
| Daily | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.6 | 1.8 | 1.5 | 1.9 | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3.3 | 3.0 | 3.3 | 3.0 | |
| 12th Grade | — | — | — | — | — | — | — | — | — | — | — | 4.7 | 5.1 | 4.3 | 3.3 | — | — | 4.3 | 3.3 | 3.9 | |
| Approximate Ns | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 17,500 | 18,600 | 18,300 | 17,300 | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 14,800 | 14,800 | 15,300 | 15,800 | |
| 12th Grade | — | — | — | — | — | — | — | — | — | — | — | 15,200 | 16,300 | 16,300 | 16,700 | — | 15,000 | 15,800 | 16,300 | 15,400 | |

(Table continued on next page.)

TABLE 4 (cont.)
Trends in Prevalence of Use of SMOKELESS TOBACCO in Grades 8, 10, and 12

(Entries are percentages.)

| | <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> | <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>2013– 2014 change</u> |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------------|
| Lifetime | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 20.0 | 20.4 | 16.8 | 15.0 | 14.4 | 12.8 | 11.7 | 11.2 | 11.3 | 11.0 | 10.1 | 10.2 | 9.1 | 9.8 | 9.6 | 9.9 | 9.7 | 8.1 | 7.9 | 8.0 | +0.1 |
| 10th Grade | 27.6 | 27.4 | 26.3 | 22.7 | 20.4 | 19.1 | 19.5 | 16.9 | 14.6 | 13.8 | 14.5 | 15.0 | 15.1 | 12.2 | 15.2 | 16.8 | 15.6 | 15.4 | 14.0 | 13.6 | -0.4 |
| 12th Grade | 30.9 | 29.8 | 25.3 | 26.2 | 23.4 | 23.1 | 19.7 | 18.3 | 17.0 | 16.7 | 17.5 | 15.2 | 15.1 | 15.6 | 16.3 | 17.6 | 16.9 | 17.4 | 17.2 | 15.1 | -2.1 |
| 30-Day | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 7.1 | 7.1 | 5.5 | 4.8 | 4.5 | 4.2 | 4.0 | 3.3 | 4.1 | 4.1 | 3.3 | 3.7 | 3.2 | 3.5 | 3.7 | 4.1 | 3.5 | 2.8 | 2.8 | 3.0 | +0.1 |
| 10th Grade | 9.7 | 8.6 | 8.9 | 7.5 | 6.5 | 6.1 | 6.9 | 6.1 | 5.3 | 4.9 | 5.6 | 5.7 | 6.1 | 5.0 | 6.5 | 7.5 | 6.6 | 6.4 | 6.4 | 5.3 | -1.2 |
| 12th Grade | 12.2 | 9.8 | 9.7 | 8.8 | 8.4 | 7.6 | 7.8 | 6.5 | 6.7 | 6.7 | 7.6 | 6.1 | 6.6 | 6.5 | 8.4 | 8.5 | 8.3 | 7.9 | 8.1 | 8.4 | +0.3 |
| Daily | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 1.2 | 1.5 | 1.0 | 1.0 | 0.9 | 0.9 | 1.2 | 0.8 | 0.8 | 1.0 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.9 | 0.8 | 0.5 | 0.5 | 0.5 | 0.0 |
| 10th Grade | 2.7 | 2.2 | 2.2 | 2.2 | 1.5 | 1.9 | 2.2 | 1.7 | 1.8 | 1.6 | 1.9 | 1.7 | 1.6 | 1.4 | 1.9 | 2.5 | 1.7 | 2.0 | 1.9 | 1.8 | 0.0 |
| 12th Grade | 3.6 | 3.3 | 4.4 | 3.2 | 2.9 | 3.2 | 2.8 | 2.0 | 2.2 | 2.8 | 2.5 | 2.2 | 2.8 | 2.7 | 2.9 | 3.1 | 3.1 | 3.2 | 3.0 | 3.4 | +0.4 |
| Approximate Ns | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 17,500 | 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 | |
| 10th Grade | 17,000 | 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 | |
| 12th Grade | 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 | 13,700 | 14,400 | 14,100 | 13,700 | 12,600 | 12,400 | |

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. For 8th and 10th graders: Data based on one of two forms for 1991–1996 and on two of four forms beginning in 1997; N is one half of N indicated. For 12th graders: Data based on one form; N is one fifth of N indicated in 1986–1988 and one sixth of N indicated beginning in 1989. The prevalence of use of smokeless tobacco 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 between the corresponding data. For all grades: In 2011 snus and dissolvable tobacco were added to the list of examples. An examination of the data did not show any effect from the wording change.

TABLE 5
Trends in Attitudes about Regular Smokeless Tobacco Use 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 | → (Years cont.) | |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-----------------------|--|
| Perceived Risk ^a | | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 35.1 | 35.1 | 36.9 | 35.5 | | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 40.3 | 39.6 | 44.2 | 42.2 | | |
| 12th Grade | — | — | — | — | — | — | — | — | — | — | — | 25.8 | 30.0 | 33.2 | 32.9 | 34.2 | 37.4 | 35.5 | 38.9 | 36.6 | | |
| Disapproval ^b | | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 79.1 | 77.2 | 77.1 | 75.1 | | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 75.4 | 74.6 | 73.8 | 71.2 | | |
| Approximate Ns | | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 17,500 | 18,600 | 18,300 | 17,300 | | |
| 10th Grade | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 14,800 | 14,800 | 15,300 | 15,800 | | |
| 12th Grade | — | — | — | — | — | — | — | — | — | — | — | 3,000 | 3,300 | 3,300 | 2,800 | 2,600 | 2,600 | 2,700 | 2,800 | 2,600 | | |

(Table continued on next page.)

TABLE 5 (cont.)
Trends in Attitudes about Regular Smokeless Tobacco Use for Grades 8, 10, and 12

(Entries are percentages.)

| | <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> | <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>2013– 2014 change</u> |
|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------------|
| Perceived Risk ^a | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 33.5 | 34.0 | 35.2 | 36.5 | 37.1 | 39.0 | 38.2 | 39.4 | 39.7 | 41.3 | 40.8 | 39.5 | 41.8 | 41.0 | 40.8 | 41.8 | 40.8 | 37.8 | 36.2 | 34.5 | -1.7 |
| 10th Grade | 38.2 | 41.0 | 42.2 | 42.8 | 44.2 | 46.7 | 46.2 | 46.9 | 48.0 | 47.8 | 46.1 | 45.9 | 46.7 | 48.0 | 44.7 | 43.7 | 45.7 | 42.9 | 40.0 | 39.9 | -0.1 |
| 12th Grade | 33.2 | 37.4 | 38.6 | 40.9 | 41.1 | 42.2 | 45.4 | 42.6 | 43.3 | 45.0 | 43.6 | 45.9 | 44.0 | 42.9 | 40.8 | 41.2 | 42.6 | 44.3 | 41.6 | 40.7 | -0.9 |
| Disapproval ^b | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 74.0 | 74.1 | 76.5 | 76.3 | 78.0 | 79.2 | 79.4 | 80.6 | 80.7 | 81.0 | 82.0 | 81.0 | 82.3 | 82.1 | 81.5 | 81.2 | 82.6 | 82.7 | 81.5 | 80.2 | -1.3 |
| 10th Grade | 71.0 | 71.0 | 72.3 | 73.2 | 75.1 | 75.8 | 76.1 | 78.7 | 79.4 | 80.2 | 80.5 | 80.5 | 80.9 | 81.8 | 79.5 | 78.5 | 79.5 | 79.5 | 77.7 | 78.7 | +1.0 |
| Approximate Ns | | | | | | | | | | | | | | | | | | | | | |
| 8th Grade | 17,500 | 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 | |
| 10th Grade | 17,000 | 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 | |
| 12th Grade | 2,600 | 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 | |

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 use smokeless tobacco regularly? 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.

^bThe question text was: Do you disapprove of people using smokeless tobacco regularly? 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. For 8th and 10th graders only: Data based on two of four forms beginning in 2012; N is two thirds of N indicated. The percentage saying they disapprove or strongly disapprove is shown. This question was not asked of 12th graders.