

**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   | →<br>(Years<br>cont.) |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-----------------------|
| <b>Perceived Risk <sup>a</sup></b> |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |        |        |        |        |                       |
| 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   |                       |
| <b>Disapproval <sup>b</sup></b>    |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |        |        |        |        |                       |
| 8th Grade                          | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —     | 79.1   | 77.2   | 77.1   | 75.1   |                       |
| 10th Grade                         | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —     | 75.4   | 74.6   | 73.8   | 71.2   |                       |
| <b>Approximate Ns</b>              |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |        |        |        |        |                       |
| 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–<br/>2014<br/>change</u> |
|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------------|
| <b>Perceived Risk <sup>a</sup></b> |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |                                  |
| 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                             |
| <b>Disapproval <sup>b</sup></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                             |
| <b>Approximate Ns</b>              |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |                                  |
| 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.

<sup>a</sup>The 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.

<sup>b</sup>The 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.