

TABLE 5
Trends in Disapproval of Drug Use in Grade 10

Percentage who disapprove or strongly disapprove^a

| <i>Do you disapprove of people who . . .</i> | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Use marijuana once or twice ^b | 74.6 | 74.8 | 70.3 | 62.4 | 59.8 | 55.5 | 54.1 | 56.0 | 56.2 | 54.9 | 54.8 | 57.8 | 58.1 | 60.4 | 61.3 | 62.5 | 63.9 |
| Use marijuana occasionally ^b | 83.7 | 83.6 | 79.4 | 72.3 | 70.0 | 66.9 | 66.2 | 67.3 | 68.2 | 67.2 | 66.2 | 68.3 | 68.4 | 70.8 | 71.9 | 72.6 | 73.3 |
| Use marijuana regularly ^b | 90.4 | 90.0 | 87.4 | 82.2 | 81.1 | 79.7 | 79.7 | 80.1 | 79.8 | 79.1 | 78.0 | 78.6 | 78.8 | 81.3 | 82.0 | 82.5 | 82.4 |
| Try inhalants once or twice ^c | 85.2 | 85.6 | 84.8 | 84.9 | 84.5 | 86.0 | 86.9 | 85.6 | 88.4 | 87.5 | 87.8 | 88.6 | 87.7 | 88.5 | 88.1 | 88.1 | 87.6 |
| Take inhalants regularly ^c | 91.0 | 91.5 | 90.9 | 91.0 | 90.9 | 91.7 | 91.7 | 91.1 | 92.4 | 91.8 | 91.3 | 91.8 | 91.0 | 92.3 | 91.9 | 92.2 | 91.8 |
| Try LSD once or twice ^d | — | — | 82.1 | 79.3 | 77.9 | 76.8 | 76.6 | 76.7 | 77.8 | 77.0 | 75.4 | 74.6 | 74.4 | 72.4 | 71.8 | 71.2 | 67.7 |
| Take LSD regularly ^d | — | — | 86.8 | 85.6 | 84.8 | 84.5 | 83.4 | 82.9 | 84.3 | 82.1 | 80.8 | 79.4 | 77.6 | 75.9 | 75.0 | 74.9 | 71.5 |
| Try ecstasy (MDMA, Molly) once or twice ^e | — | — | — | — | — | — | — | — | — | — | 72.6 | 77.4 | 81.0 | 83.7 | 83.1 | 81.6 | 80.0 |
| Take ecstasy (MDMA, Molly) occasionally ^e | — | — | — | — | — | — | — | — | — | — | 81.0 | 84.6 | 86.3 | 88.0 | 87.4 | 86.0 | 84.3 |
| Try cocaine once or twice ^{c,j} | 90.8 | 91.1 | 90.0 | 88.1 | 86.8 | 86.1 | 85.1 | 84.9 | 86.0 | 84.8 | 85.3 | 86.4 | 85.9 | 86.8 | 86.9 | 87.3 | 87.7 |
| Take cocaine occasionally ^{c,j} | 94.0 | 94.0 | 93.2 | 92.1 | 91.4 | 91.1 | 90.4 | 89.7 | 90.7 | 89.9 | 90.2 | 89.9 | 90.4 | 91.2 | 91.2 | 91.4 | 92.0 |
| Try heroin once or twice without using a needle ^d | — | — | — | — | 89.7 | 89.5 | 89.1 | 88.6 | 90.1 | 90.1 | 89.1 | 89.2 | 89.3 | 90.1 | 90.3 | 91.1 | 90.7 |
| Take heroin occasionally without using a needle ^d | — | — | — | — | 91.6 | 91.7 | 91.4 | 90.5 | 91.8 | 92.3 | 90.8 | 90.7 | 90.6 | 91.8 | 92.0 | 92.5 | 92.5 |
| Try one or two drinks of an alcoholic beverage (beer, wine, liquor) ^b | 37.6 | 39.9 | 38.5 | 36.5 | 36.1 | 34.2 | 33.7 | 34.7 | 35.1 | 33.4 | 34.7 | 37.7 | 36.8 | 37.6 | 38.5 | 37.8 | 39.5 |
| Take one or two drinks nearly every day ^b | 81.7 | 81.7 | 78.6 | 75.2 | 75.4 | 73.8 | 75.4 | 74.6 | 75.4 | 73.8 | 73.8 | 74.9 | 74.2 | 75.1 | 76.9 | 76.4 | 77.1 |
| Have five or more drinks once or twice each weekend ^b | 76.7 | 77.6 | 74.7 | 72.3 | 72.2 | 70.7 | 70.2 | 70.5 | 69.9 | 68.2 | 69.2 | 71.5 | 71.6 | 71.8 | 73.7 | 72.9 | 74.1 |
| Smoke one or more packs of cigarettes per day ^f | 79.4 | 77.8 | 76.5 | 73.9 | 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 |
| Vape marijuana occasionally ^b | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Vape marijuana regularly ^b | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Vape an e-liquid with nicotine occasionally ^{e,g} | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Vape an e-liquid with nicotine regularly ^{e,g} | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Use smokeless tobacco regularly ^b | 75.4 | 74.6 | 73.8 | 71.2 | 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 |
| <i>Approximate weighted N =</i> 14,800 14,800 15,300 15,900 17,000 15,700 15,600 15,000 13,600 14,300 14,000 14,300 15,800 16,400 16,200 16,200 16,100 | | | | | | | | | | | | | | | | | |

Table continued on next page.

TABLE 5 (cont.)
Trends in Disapproval of Drug Use in Grade 10

| Do you disapprove of people who . . . | Percentage who disapprove or strongly disapprove ^a | | | | | | | | | | | | | | | | | 2022–2023 change |
|---|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--------------------|------|-------------------|--------|-------|---------------------|
| | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019p ^h | 2019e ^h | 2020 | 2021 ⁱ | 2022 | 2023 | |
| Use marijuana once or twice ^b | 64.5 | 60.1 | 59.2 | 58.5 | 56.2 | 53.2 | 53.8 | 52.7 | 52.6 | 48.1 | 47.9 | 46.0 | 46.9 | § | 47.8* | 48.1 | 50.9 | +2.7 |
| Use marijuana occasionally ^b | 73.6 | 69.2 | 68.0 | 67.9 | 65.7 | 62.1 | 62.9 | 62.6 | 61.9 | 58.1 | 57.4 | 55.0 | 56.0 | § | 56.6* | 56.9 | 59.5 | +2.7 s |
| Use marijuana regularly ^b | 83.0 | 79.9 | 78.7 | 78.8 | 77.3 | 73.8 | 74.6 | 74.3 | 73.5 | 70.2 | 69.7 | 67.4 | 67.7 | § | 70.2* | 69.3 | 72.3 | +3.1 s |
| Try inhalants once or twice ^c | 87.1 | 87.0 | 86.5 | 86.9 | 85.7 | 86.1 | 85.9 | 84.1 | 83.3 | 80.7 | 81.8 | 81.8 | 79.5 | § | 74.5* | 72.5 | 71.2 | -1.3 |
| Take inhalants regularly ^c | 91.6 | 91.1 | 90.8 | 90.9 | 90.0 | 89.7 | 89.7 | 88.3 | 87.1 | 85.4 | 86.9 | 86.6 | 83.9 | § | 83.4* | 80.6 | 79.2 | -1.4 |
| Try LSD once or twice ^d | 66.3 | 67.8 | 68.2 | 68.5 | 68.3 | 69.1 | 67.8 | 70.3 | 69.5 | 66.9 | 70.5 | 69.2 | 71.3 | § | 63.3* | 63.8 | 60.4 | -3.5 |
| Take LSD regularly ^d | 69.8 | 72.2 | 72.9 | 72.5 | 73.0 | 74.2 | 73.3 | 76.5 | 74.9 | 74.5 | 76.5 | 75.7 | 79.9 | § | 75.3* | 71.1 | 66.8 | -4.3 s |
| Try ecstasy (MDMA, Molly) once or twice ^e | 78.1 | 76.5 | 75.5 | 76.1 | 75.3 | 75.4 | 74.4‡ | 78.0 | 76.8 | 74.7 | 75.3 | 76.4 | 76.6 | § | 68.6* | 69.8 | 68.9 | -0.9 |
| Take ecstasy (MDMA, Molly) occasionally ^e | 83.0 | 81.3 | 81.3 | 82.2 | 81.2 | 81.3 | 80.4‡ | 84.0 | 81.7 | 80.0 | 79.5 | 81.8 | 82.4 | § | 75.8* | 76.2 | 73.7 | -2.5 |
| Try cocaine once or twice ^{c,j} | 88.6 | 88.4 | 89.0 | 89.4 | 89.3 | 88.7 | 88.9 | 87.9 | 87.9 | 86.1 | 87.6 | 87.4‡ | 86.0‡ | § | 84.7* | 84.1 | 84.3 | +0.2 |
| Take cocaine occasionally ^{c,j} | 92.1 | 92.1 | 92.2 | 92.5 | 92.4 | 91.8 | 91.9 | 91.8 | 90.8 | 89.9 | 90.9 | 90.9‡ | 89.1‡ | § | 89.0* | 88.5 | 88.5 | 0.0 |
| Try heroin once or twice without using a needle ^d | 91.4 | 91.6 | 91.4 | 91.6 | 91.9 | 91.3 | 91.9 | 91.7 | 90.2 | 89.7 | 90.6 | 91.5 | 89.0 | § | 89.5* | 87.6 | 87.0 | -0.6 |
| Take heroin occasionally without using a needle ^d | 92.5 | 93.0 | 92.4 | 92.4 | 92.9 | 92.3 | 92.7 | 92.7 | 90.9 | 90.5 | 91.2 | 92.1 | 89.3 | § | 90.3* | 88.5 | 88.6 | +0.1 |
| Try one or two drinks of an alcoholic beverage (beer, wine, liquor) ^b | 41.8 | 39.7 | 40.3 | 41.5 | 39.6 | 38.5 | 40.7 | 40.0 | 41.8 | 39.3 | 39.6 | 40.4 | 41.0 | § | 36.7* | 37.4 | 39.2 | +1.8 |
| Take one or two drinks nearly every day ^b | 79.1 | 77.6 | 77.6 | 80.0 | 78.0 | 77.1 | 77.9 | 78.2 | 78.6 | 77.7 | 77.9 | 79.4 | 77.6 | § | 77.1* | 77.4 | 78.8 | +1.4 |
| Have five or more drinks once or twice each weekend ^b | 77.2 | 75.1 | 75.9 | 77.3 | 77.5 | 77.8 | 79.5 | 79.6 | 80.8 | 80.1 | 80.4 | 82.4 | 78.8 | § | 78.4* | 78.4 | 80.0 | +1.6 |
| Smoke one or more packs of cigarettes per day ^f | 85.2 | 84.5 | 83.9 | 85.8 | 86.0 | 86.1 | 88.0 | 88.3 | 88.5 | 87.8 | 88.5 | 89.5 | 87.2 | § | 86.5* | 86.4 | 85.9 | -0.5 |
| Vape marijuana occasionally ^b | — | — | — | — | — | — | — | — | — | — | — | — | — | § | 65.3* | 63.4 | 65.1 | +1.7 |
| Vape marijuana regularly ^b | — | — | — | — | — | — | — | — | — | — | — | — | — | § | 74.8* | 73.4 | 75.1 | +1.7 |
| Vape an e-liquid with nicotine occasionally ^{e,g} | — | — | — | — | — | — | — | — | — | 59.3 | 58.0 | 65.4 | 58.5 | § | 65.8* | 67.9 | 71.6 | +3.7 ss |
| Vape an e-liquid with nicotine regularly ^{e,g} | — | — | — | — | — | — | — | — | — | 68.3 | 67.8 | 75.5 | 71.2 | § | 76.7* | 77.4 | 80.8 | +3.5 s |
| Use smokeless tobacco regularly ^b | 81.8 | 79.5 | 78.5 | 79.5 | 79.5 | 77.7 | 78.7 | 80.1 | 81.2 | 80.7 | 80.7 | 83.2 | 80.2 | § | 79.6* | 78.9 | 78.4 | -0.5 |
| Approximate weighted N = | | | | | | | | | | | | | | | | | | |
| | 15,100 | 15,900 | 15,200 | 14,900 | 15,000 | 12,900 | 13,000 | 15,600 | 14,700 | 13,500 | 14,300 | 7,000 | 7,000 | § | 11,000 | 11,200 | 8,100 | |

Table continued
on next page.

TABLE 5 (cont.)
Trends in Disapproval of Drug Use in Grade 10

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. '‡' indicates that the question changed the following year.

§Estimates not presented due to insufficient data this year.

*Comparison of 2021+ estimates with previous years may be subject to a survey mode effect in 2019. The size and direction of the mode effect (if any) is indicated by the difference between the estimates in the '2019p' and the '2019e' columns. The '2019p' column reports estimates based on students in the randomly-selected half of schools that used paper-and-pencil questionnaires (used in 2018 and all previous years). The '2019e' column reports estimates on the other half that used electronic data collection on devices connected to the internet (used in 2021 and all subsequent years).

^aAnswer alternatives were: (1) Don't disapprove, (2) Disapprove, (3) Strongly disapprove, and (4) Can't say, drug unfamiliar. Percentages are shown for categories (2) and (3) combined.

^bBeginning in 2012, data based on two thirds of N indicated.

^cBeginning in 1997, data based on two thirds of N indicated due to changes in questionnaire forms.

^dData based on one of two forms in 1993–1996; N is one half of N indicated. Beginning in 1997, data based on one third of N indicated due to changes in questionnaire forms.

^eData based on one third of N indicated. For MDMA "Molly" was added to the question text in 2015; 2014 and 2015 data are not comparable due to this change.

^fBeginning in 1999, data based on two thirds of N indicated due to changes in questionnaire forms.

^gPercentages for all years reported here include respondents who replied "can't say, drug unfamiliar" in the denominator. The percentage for 2017 published in late 2017 and early 2018 did not include these respondents in the denominator.

^hThe '2019p' column reports estimates from students in the randomly-selected half of schools that completed the 2019 questionnaire using paper and pencil. The '2019e' column reports estimates for the other half in schools that completed the 2019 questionnaire using web-connected electronic tablets. Estimates in italics indicate statistically significant ($p < .05$) differences in 2019 between the two survey modes.

ⁱSample is decreased by as much as 50% for the following drugs due to survey question experiments: alcohol, inhalants, heroin, JUUL, LSD, and ecstasy (MDMA, molly).

^jIn 2019 and previous years the survey question asked about 'cocaine powder' and in 2020 forward it asked about 'cocaine'.