

Table 51. Use of selected substances in the past 30 days among 12th graders, 10th graders, and 8th graders, by sex and race: United States, selected years 1980–2016

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2017.htm#051> .

[Data are based on a survey of 12th graders, 10th graders, and 8th graders in the coterminous United States]

Substance, grade in school, sex, and race	1980	1990	2000	2005	2010	2012	2013	2014	2015	2016
Cigarettes										
Percent using substance in the past 30 days										
All 12th graders	30.5	29.4	31.4	23.2	19.2	17.1	16.3	13.6	11.4	10.5
Male	26.8	29.1	32.8	24.8	21.9	19.3	18.4	15.2	13.0	12.7
Female	33.4	29.2	29.7	20.7	15.7	14.5	13.2	11.6	9.1	8.1
White	31.0	32.5	36.6	27.0	22.2	20.1	18.5	16.5	13.4	13.0
Black or African American	25.2	12.0	13.6	10.0	10.7	8.4	10.8	7.5	6.4	5.5
All 10th graders	---	---	23.9	14.9	13.6	10.8	9.1	7.2	6.3	4.9
Male	---	---	23.8	14.5	15.0	12.0	10.5	7.7	6.1	5.0
Female	---	---	23.6	15.1	12.1	9.6	7.5	6.6	6.3	4.4
White	---	---	27.3	17.0	14.8	12.2	10.4	8.5	7.3	6.3
Black or African American	---	---	11.3	7.7	7.0	6.2	4.2	4.2	3.5	1.8
All 8th graders	---	---	14.6	9.3	7.1	4.9	4.5	4.0	3.6	2.6
Male	---	---	14.3	8.7	7.4	4.6	4.0	3.5	3.3	2.5
Female	---	---	14.7	9.7	6.8	4.9	4.7	4.2	3.7	2.6
White	---	---	16.4	9.5	7.9	5.0	4.3	4.6	3.8	3.0
Black or African American	---	---	8.4	6.7	4.0	3.8	3.3	2.0	2.4	1.8
E-cigarettes										
All 12th graders	---	---	---	---	---	---	---	17.1	16.2	12.4
Male	---	---	---	---	---	---	---	20.1	21.5	16.7
Female	---	---	---	---	---	---	---	13.7	10.9	8.3
White	---	---	---	---	---	---	---	19.5	19.0	15.2
Black or African American	---	---	---	---	---	---	---	7.1	7.4	5.3
All 10th graders	---	---	---	---	---	---	---	16.2	14.0	10.3
Male	---	---	---	---	---	---	---	19.2	15.9	10.9
Female	---	---	---	---	---	---	---	13.1	12.0	9.1
White	---	---	---	---	---	---	---	16.8	15.7	12.1
Black or African American	---	---	---	---	---	---	---	9.8	8.3	5.3
All 8th graders	---	---	---	---	---	---	---	8.7	9.5	6.2
Male	---	---	---	---	---	---	---	9.8	10.2	6.8
Female	---	---	---	---	---	---	---	7.1	8.6	5.6
White	---	---	---	---	---	---	---	7.3	8.8	6.4
Black or African American	---	---	---	---	---	---	---	5.1	6.9	3.5
Marijuana										
All 12th graders	33.7	14.0	21.6	19.8	21.4	22.9	22.7	21.2	21.3	22.5
Male	37.8	16.1	24.7	23.6	25.2	26.5	26.4	24.3	23.1	25.0
Female	29.1	11.5	18.3	15.8	16.9	18.8	18.7	17.9	19.2	19.7
White	34.2	15.6	22.0	21.7	21.6	22.3	21.3	21.4	20.6	21.7
Black or African American	26.5	5.2	17.5	15.1	19.7	22.4	25.7	20.7	20.9	23.5
All 10th graders	---	---	19.7	15.2	16.7	17.0	18.0	16.6	14.8	14.0
Male	---	---	23.3	16.7	20.1	19.8	20.6	17.4	15.6	14.2
Female	---	---	16.2	13.4	13.3	14.4	15.3	15.7	13.7	13.7
White	---	---	20.1	15.7	15.9	16.6	16.5	15.8	13.7	14.6
Black or African American	---	---	17.0	13.5	15.9	17.6	20.7	17.4	17.5	14.3
All 8th graders	---	---	9.1	6.6	8.0	6.5	7.0	6.5	6.5	5.4
Male	---	---	10.2	7.6	9.2	7.0	6.7	6.9	6.6	5.7
Female	---	---	7.8	5.7	6.8	6.0	7.2	5.9	6.2	5.0
White	---	---	8.3	6.0	7.1	4.7	4.8	4.7	4.5	3.8
Black or African American	---	---	8.5	8.2	8.2	7.1	9.3	6.5	7.9	6.6

Table 51. Use of selected substances in the past 30 days among 12th graders, 10th graders, and 8th graders, by sex and race: United States, selected years 1980–2016

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2017.htm#051>.

[Data are based on a survey of 12th graders, 10th graders, and 8th graders in the coterminous United States]

Substance, grade in school, sex, and race	1980	1990	2000	2005	2010	2012	2013	2014	2015	2016
Cocaine										
Percent using substance in the past 30 days										
All 12th graders	5.2	1.9	2.1	2.3	1.3	1.1	1.1	1.0	1.1	0.9
Male	6.0	2.3	2.7	2.6	1.9	1.5	1.4	1.5	1.4	1.2
Female	4.3	1.3	1.6	1.8	0.7	0.6	0.5	0.5	0.8	0.4
White	5.4	1.8	2.2	2.3	1.2	1.0	0.7	0.8	1.0	0.6
Black or African American	2.0	0.5	1.0	0.5	0.9	0.5	0.6	1.4	0.4	0.4
All 10th graders	---	---	1.8	1.5	0.9	0.8	0.8	0.6	0.8	0.4
Male	---	---	2.1	1.9	1.1	0.8	1.2	0.8	0.9	0.5
Female	---	---	1.4	1.2	0.5	0.7	0.5	0.4	0.6	0.3
White	---	---	1.7	1.5	0.7	0.5	0.6	0.5	0.7	0.3
Black or African American	---	---	0.4	0.8	0.6	1.2	0.9	0.5	0.7	0.4
All 8th graders	---	---	1.2	1.0	0.6	0.5	0.5	0.5	0.5	0.3
Male	---	---	1.3	0.9	0.6	0.5	0.4	0.5	0.5	0.4
Female	---	---	1.1	1.0	0.6	0.4	0.5	0.4	0.4	0.2
White	---	---	1.1	0.9	0.5	0.3	0.4	0.2	0.3	0.2
Black or African American	---	---	0.5	0.3	0.3	0.5	0.5	0.4	0.5	0.3
Inhalants										
All 12th graders	1.4	2.7	2.2	2.0	1.4	0.9	1.0	0.7	0.7	0.8
Male	1.8	3.5	2.9	2.4	2.1	0.9	1.2	1.0	0.8	0.7
Female	1.0	2.0	1.7	1.6	0.7	0.8	0.7	0.5	0.6	0.8
White	1.4	3.0	2.1	2.1	1.1	0.6	0.6	0.6	0.5	0.6
Black or African American	1.0	1.5	2.1	1.4	1.5	0.9	1.3	1.4	0.8	1.2
All 10th graders	---	---	2.6	2.2	2.0	1.4	1.3	1.1	1.2	1.0
Male	---	---	3.0	1.9	1.6	1.2	1.4	0.9	1.1	0.9
Female	---	---	2.2	2.5	2.4	1.6	1.3	1.2	1.2	1.0
White	---	---	2.8	2.2	1.7	1.1	1.0	0.9	0.8	1.0
Black or African American	---	---	1.5	1.4	1.8	1.2	1.9	1.4	1.4	0.8
All 8th graders	---	---	4.5	4.2	3.6	2.7	2.3	2.2	2.0	1.8
Male	---	---	4.1	3.1	2.8	1.9	1.6	1.6	1.8	1.4
Female	---	---	4.8	5.3	4.4	3.4	2.9	2.6	2.1	2.1
White	---	---	4.8	4.0	3.2	2.1	1.7	1.7	1.6	1.5
Black or African American	---	---	2.3	2.9	2.2	3.0	2.4	2.4	2.1	1.9
MDMA (Ecstasy) ¹										
All 12th graders	---	---	3.6	1.0	1.4	0.9	1.5	1.5	1.1	0.9
Male	---	---	4.1	1.0	1.5	1.2	2.1	2.2	1.2	1.1
Female	---	---	3.1	1.0	1.2	0.6	0.9	0.9	1.0	0.6
White	---	---	3.9	1.0	0.9	0.9	1.5	0.7	1.0	0.9
Black or African American	---	---	1.9	0.9	1.1	0.4	0.7	2.6	1.2	0.7
All 10th graders	---	---	2.6	1.0	1.9	1.0	1.2	1.1	0.9	0.5
Male	---	---	2.5	1.0	2.3	1.1	1.5	1.4	1.0	0.6
Female	---	---	2.5	0.9	1.5	1.0	1.0	0.9	0.6	0.3
White	---	---	2.5	1.0	1.5	1.0	0.9	1.3	0.8	0.5
Black or African American	---	---	1.8	0.3	1.1	1.1	0.4	1.3	0.7	0.5
All 8th graders	---	---	1.4	0.6	1.1	0.5	0.5	0.7	0.5	0.3
Male	---	---	1.6	0.8	1.2	0.4	0.4	1.0	0.4	0.3
Female	---	---	1.2	0.4	1.1	0.6	0.5	0.5	0.5	0.3
White	---	---	1.4	0.6	1.0	0.4	0.3	0.6	0.4	0.2
Black or African American	---	---	0.8	0.9	0.5	0.5	0.6	0.7	0.3	0.4

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[Data are based on a survey of 12th graders, 10th graders, and 8th graders in the coterminous United States]

Substance, grade in school, sex, and race	1980	1990	2000	2005	2010	2012	2013	2014	2015	2016
Alcohol²										
Percent using substance in the past 30 days										
All 12th graders	72.0	57.1	50.0	47.0	41.2	41.5	39.2	37.4	35.3	33.2
Male	77.4	61.3	54.0	50.7	44.2	43.8	41.8	37.4	36.0	34.5
Female	66.8	52.3	46.1	43.3	37.9	38.8	36.3	37.1	35.0	32.0
White	75.8	62.2	55.3	52.2	44.1	44.3	42.8	42.1	39.7	38.2
Black or African American	47.7	32.9	29.3	28.8	30.8	29.8	27.0	24.9	23.2	20.2
All 10th graders	---	---	41.0	33.2	28.9	27.6	25.7	23.5	21.5	19.9
Male	---	---	43.3	32.8	30.1	28.0	26.0	23.0	20.6	18.6
Female	---	---	38.6	33.6	27.7	27.1	25.3	23.9	22.5	20.9
White	---	---	44.3	36.7	29.2	29.2	26.9	25.9	23.6	22.3
Black or African American	---	---	24.7	20.8	21.3	20.1	17.7	15.5	14.8	13.1
All 8th graders	---	---	22.4	17.1	13.8	11.0	10.2	9.0	9.7	7.3
Male	---	---	22.5	16.2	13.2	10.3	9.3	8.2	9.1	6.7
Female	---	---	22.0	17.9	14.3	11.5	11.2	9.5	9.9	7.8
White	---	---	23.9	17.3	12.8	9.6	9.4	8.7	9.2	7.2
Black or African American	---	---	15.1	13.9	12.7	9.4	9.9	7.9	8.5	5.4
Binge drinking³										
Percent having 5 or more drinks in a row in the last 2 weeks										
All 12th graders	41.2	32.2	30.0	27.1	23.2	23.7	22.1	19.4	17.2	15.5
Male	52.1	39.1	36.7	32.6	28.0	27.2	26.1	22.3	19.3	17.2
Female	30.5	24.4	23.5	21.6	18.4	19.7	18.1	16.6	14.9	13.5
White	44.6	36.2	34.4	31.8	26.5	26.2	25.0	22.5	19.8	18.2
Black or African American	17.0	11.6	11.0	10.9	12.6	13.0	12.0	10.6	9.1	7.4
All 10th graders	---	---	24.1	19.0	16.3	15.6	13.7	12.6	10.9	9.7
Male	---	---	27.6	19.9	17.9	16.4	14.7	13.1	11.3	9.6
Female	---	---	20.6	17.9	14.6	14.8	12.5	12.2	10.6	9.8
White	---	---	26.6	21.5	16.0	16.5	14.7	14.1	12.1	11.0
Black or African American	---	---	10.6	8.4	11.5	9.3	7.9	7.2	6.6	5.1
All 8th graders	---	---	11.7	8.4	7.2	5.1	5.1	4.1	4.6	3.4
Male	---	---	11.7	8.2	6.5	4.6	4.5	3.5	4.6	3.2
Female	---	---	11.3	8.6	7.8	5.5	5.7	4.6	4.6	3.6
White	---	---	12.5	8.4	6.7	3.9	4.6	3.7	4.2	3.0
Black or African American	---	---	6.2	5.8	5.9	4.2	4.8	4.1	4.1	2.7

--- Data not available.

¹Starting in 2014, a revised question on the use of MDMA (ecstasy) including "Molly," a nickname for MDMA, was added to the questionnaire for each grade. Data reported here for 2014 and later are only for the revised question which includes "Molly."

²In 1993, the alcohol question was changed to indicate that a drink meant more than a few sips. Data for 1993, available in the spreadsheet version of this table, are based on a half sample. See Appendix II, Alcohol consumption.

³Five or more alcoholic drinks in a row at least once in the prior 2-week period. See Appendix II, Binge drinking.

NOTES: Estimates for Hispanic students are not shown due to small sample size. For 2-year estimates for Hispanic students, see Johnston LD, O'Malley PM, Miech RA, Bachman JG, Schulenberg JE. Demographic subgroup trends among adolescents in the use of various licit and illicit drugs 1975–2016 (Monitoring the Future Occasional Paper No. 88). Ann Arbor, MI: Institute for Social Research, University of Michigan; 2017. Available from: <http://monitoringthefuture.org/pubs/occpapers/mtf-occ88.pdf>. Because of methodological differences among the National Survey on Drug Use and Health, the Monitoring the Future Study, and the Youth Risk Behavior Surveillance System, rates of substance use measured by these surveys are not directly comparable. See Appendix I, National Survey on Drug Use and Health (NSDUH); Monitoring the Future (MTF) Study; Youth Risk Behavior Surveillance System (YRBSS). See Appendix II, Cigarette smoking; Illicit drug use; Substance use. Data for additional years are available. See the Excel spreadsheet on the *Health, United States* website at: <https://www.cdc.gov/nchs/hus.htm>.

SOURCE: Monitoring the Future Study. Institute for Social Research, University of Michigan. Supported by National Institutes of Health, National Institute on Drug Abuse. See Appendix I, Monitoring the Future (MTF) Study.