

Table 62. Use of selected substances among high school seniors, 10th graders, and 8th graders, by sex and race: United States, selected years 1980-2010

(Data are based on a survey of high school seniors, 10th graders, and 8th graders in the coterminous United States)

Substance, grade in school, sex, and race	1980	1985	1990	1995	2000	2005	2007	2008	2009	2010
Cigarettes										
All high school seniors.....	30.5	30.1	29.4	33.5	31.4	23.2	21.6	20.4	20.1	19.2
Male.....	26.8	28.2	29.1	34.5	32.8	24.8	23.1	21.5	22.1	21.9
Female.....	33.4	31.4	29.2	32.0	29.7	20.7	19.6	19.1	17.6	15.7
White.....	31.0	31.7	32.5	37.3	36.6	27.0	25.2	24.1	23.7	22.2
Black or African American..	25.2	18.7	12.0	15.0	13.6	10.0	10.6	10.1	9.3	10.7
All 10th graders.....	---	---	---	27.9	23.9	14.9	14.0	12.3	13.1	13.6
Male.....	---	---	---	27.7	23.8	14.5	14.6	12.7	13.7	15.0
Female.....	---	---	---	27.9	23.6	15.1	13.3	11.9	12.5	12.1
White.....	---	---	---	31.2	27.3	17.0	16.1	14.1	14.6	14.8
Black or African American..	---	---	---	12.2	11.3	7.7	5.8	7.1	6.4	7.0
All 8th graders.....	---	---	---	19.1	14.6	9.3	7.1	6.8	6.5	7.1
Male.....	---	---	---	18.8	14.3	8.7	7.5	6.7	6.7	7.4
Female.....	---	---	---	19.0	14.7	9.7	6.4	6.7	6.0	6.8
White.....	---	---	---	21.7	16.4	9.5	7.1	7.3	7.3	7.9
Black or African American..	---	---	---	8.2	8.4	6.7	4.8	4.4	4.5	4.0
Marijuana										
All high school seniors.....	33.7	25.7	14.0	21.2	21.6	19.8	18.8	19.4	20.6	21.4
Male.....	37.8	28.7	16.1	24.6	24.7	23.6	22.3	22.2	24.3	25.2
Female.....	29.1	22.4	11.5	17.2	18.3	15.8	15.0	16.2	16.8	16.9
White.....	34.2	26.4	15.6	21.5	22.0	21.7	19.9	20.4	21.2	21.6
Black or African American..	26.5	21.7	5.2	17.8	17.5	15.1	15.4	17.1	20.6	19.7
All 10th graders.....	---	---	---	17.2	19.7	15.2	14.2	13.8	15.9	16.7
Male.....	---	---	---	19.2	23.3	16.7	15.8	15.2	18.7	20.1
Female.....	---	---	---	15.0	16.2	13.4	12.5	12.3	13.2	13.3
White.....	---	---	---	17.7	20.1	15.7	14.8	13.5	15.6	15.9
Black or African American..	---	---	---	15.1	17.0	13.5	11.0	12.3	15.1	15.9
All 8th graders.....	---	---	---	9.1	9.1	6.6	5.7	5.8	6.5	8.0
Male.....	---	---	---	9.8	10.2	7.6	6.2	6.6	7.5	9.2
Female.....	---	---	---	8.2	7.8	5.7	4.9	4.8	5.3	6.8
White.....	---	---	---	9.0	8.3	6.0	5.1	4.9	5.9	7.1
Black or African American..	---	---	---	7.0	8.5	8.2	6.0	6.2	7.2	8.2
Cocaine										
All high school seniors.....	5.2	6.7	1.9	1.8	2.1	2.3	2.0	1.9	1.3	1.3
Male.....	6.0	7.7	2.3	2.2	2.7	2.6	2.4	2.3	1.5	1.9
Female.....	4.3	5.6	1.3	1.3	1.6	1.8	1.5	1.3	0.9	0.7
White.....	5.4	7.0	1.8	1.7	2.2	2.3	2.3	2.0	1.2	1.2
Black or African American..	2.0	2.7	0.5	0.4	1.0	0.5	0.5	0.5	0.2	0.9
All 10th graders.....	---	---	---	1.7	1.8	1.5	1.3	1.2	0.9	0.9
Male.....	---	---	---	1.8	2.1	1.9	1.4	1.4	1.0	1.1
Female.....	---	---	---	1.5	1.4	1.2	1.1	1.0	0.8	0.5
White.....	---	---	---	1.7	1.7	1.5	1.2	1.0	0.7	0.7
Black or African American..	---	---	---	0.4	0.4	0.8	0.4	0.7	0.5	0.6
All 8th graders.....	---	---	---	1.2	1.2	1.0	0.9	0.8	0.8	0.6

Male.....	---	---	---	1.1	1.3	0.9	0.7	0.9	0.8	0.6
Female.....	---	---	---	1.2	1.1	1.0	1.0	0.7	0.7	0.6
White.....	---	---	---	1.0	1.1	0.9	0.6	0.6	0.6	0.5
Black or African American..	---	---	---	0.4	0.5	0.3	0.6	0.4	0.7	0.3

Inhalants

All high school seniors.....	1.4	2.2	2.7	3.2	2.2	2.0	1.2	1.4	1.2	1.4
Male.....	1.8	2.8	3.5	3.9	2.9	2.4	1.5	1.6	1.2	2.1
Female.....	1.0	1.7	2.0	2.5	1.7	1.6	0.9	1.2	1.0	0.7
White.....	1.4	2.4	3.0	3.7	2.1	2.1	1.2	1.5	1.1	1.1
Black or African American..	1.0	0.8	1.5	1.1	2.1	1.4	0.9	1.0	1.1	1.5
All 10th graders.....	---	---	---	3.5	2.6	2.2	2.5	2.1	2.2	2.0
Male.....	---	---	---	3.8	3.0	1.9	2.7	1.9	1.8	1.6
Female.....	---	---	---	3.2	2.2	2.5	2.4	2.3	2.6	2.4
White.....	---	---	---	3.9	2.8	2.2	2.6	1.6	1.9	1.7
Black or African American..	---	---	---	1.2	1.5	1.4	1.5	1.9	1.3	1.8
All 8th graders.....	---	---	---	6.1	4.5	4.2	3.9	4.1	3.8	3.6
Male.....	---	---	---	5.6	4.1	3.1	3.4	2.9	3.3	2.8
Female.....	---	---	---	6.6	4.8	5.3	4.3	5.3	4.3	4.4
White.....	---	---	---	7.0	4.8	4.0	3.6	3.8	3.7	3.2
Black or African American..	---	---	---	2.3	2.3	2.9	2.8	2.8	3.4	2.2

MDMA (Ecstasy)

All high school seniors.....	---	---	---	---	3.6	1.0	1.6	1.8	1.8	1.4
Male.....	---	---	---	---	4.1	1.0	1.5	2.3	2.4	1.5
Female.....	---	---	---	---	3.1	1.0	1.6	1.2	1.2	1.2
White.....	---	---	---	---	3.9	1.0	1.7	1.7	1.7	0.9
Black or African American..	---	---	---	---	1.9	0.9	0.8	1.1	1.8	1.1
All 10th graders.....	---	---	---	---	2.6	1.0	1.2	1.1	1.3	1.9
Male.....	---	---	---	---	2.5	1.0	1.3	1.6	1.6	2.3
Female.....	---	---	---	---	2.5	0.9	1.1	0.7	1.0	1.5
White.....	---	---	---	---	2.5	1.0	1.4	1.0	1.0	1.5
Black or African American..	---	---	---	---	1.8	0.3	0.4	0.1	0.6	1.1
All 8th graders.....	---	---	---	---	1.4	0.6	0.6	0.8	0.6	1.1
Male.....	---	---	---	---	1.6	0.8	0.7	0.7	0.5	1.2
Female.....	---	---	---	---	1.2	0.4	0.6	0.9	0.6	1.1
White.....	---	---	---	---	1.4	0.6	0.5	0.7	0.6	1.0
Black or African American..	---	---	---	---	0.8	0.9	0.8	0.3	0.1	0.5

Alcohol¹

All high school seniors.....	72.0	65.9	57.1	51.3	50.0	47.0	44.4	43.1	43.5	41.2
Male.....	77.4	69.8	61.3	55.7	54.0	50.7	47.1	45.8	47.8	44.2
Female.....	66.8	62.1	52.3	47.0	46.1	43.3	41.4	40.9	38.9	37.9
White.....	75.8	70.2	62.2	54.8	55.3	52.2	49.4	47.8	46.6	44.1
Black or African American..	47.7	43.6	32.9	37.4	29.3	28.8	27.9	29.3	32.2	30.8
All 10th graders.....	---	---	---	38.8	41.0	33.2	33.4	28.8	30.4	28.9
Male.....	---	---	---	39.7	43.3	32.8	33.4	28.6	31.0	30.1
Female.....	---	---	---	37.8	38.6	33.6	33.3	29.0	29.8	27.7
White.....	---	---	---	41.3	44.3	36.7	35.7	30.5	32.4	29.2
Black or African American..	---	---	---	24.9	24.7	20.8	21.0	20.4	20.1	21.3
All 8th graders.....	---	---	---	24.6	22.4	17.1	15.9	15.9	14.9	13.8

Male.....	---	---	---	25.0	22.5	16.2	15.6	15.4	14.7	13.2
Female.....	---	---	---	24.0	22.0	17.9	16.0	16.4	14.9	14.3
White.....	---	---	---	25.4	23.9	17.3	14.7	15.8	15.1	12.8
Black or African American..	---	---	---	17.3	15.1	13.9	12.3	13.5	11.1	12.7
Binge drinking ²										
All high school seniors.....	41.2	36.7	32.2	29.8	30.0	27.1	25.9	24.6	25.2	23.2
Male.....	52.1	45.3	39.1	36.9	36.7	32.6	30.7	28.4	30.5	28.0
Female.....	30.5	28.2	24.4	23.0	23.5	21.6	21.5	21.3	20.2	18.4
White.....	44.6	40.1	36.2	32.9	34.4	31.8	30.5	29.3	28.7	26.5
Black or African American..	17.0	16.7	11.6	15.5	11.0	10.9	11.0	10.8	13.7	12.6
All 10th graders.....	---	---	---	22.0	24.1	19.0	19.6	16.0	17.5	16.3
Male.....	---	---	---	24.1	27.6	19.9	20.9	16.6	18.8	17.9
Female.....	---	---	---	19.7	20.6	17.9	18.3	15.4	16.1	14.6
White.....	---	---	---	24.1	26.6	21.5	21.7	17.4	18.4	16.0
Black or African American..	---	---	---	9.6	10.6	8.4	10.0	9.6	10.0	11.5
All 8th graders.....	---	---	---	12.3	11.7	8.4	8.3	8.1	7.8	7.2
Male.....	---	---	---	12.5	11.7	8.2	8.2	8.1	7.8	6.5
Female.....	---	---	---	12.1	11.3	8.6	8.2	8.0	7.7	7.8
White.....	---	---	---	12.6	12.5	8.4	7.7	8.0	7.4	6.7
Black or African American..	---	---	---	7.8	6.2	5.8	5.7	5.7	4.8	5.9

---Data not available.

¹In 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.

²Five 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, Bachman JG, Schulenberg JE. Monitoring the Future National Survey results on drug use: 1975-2010. Volume I: Secondary school students. Ann Arbor: Institute for Social Research, The University of Michigan. 2010 (forthcoming). Bethesda, MD: National Institute on Drug Abuse. Because of methodological differences among the National Survey on Drug Use & Health (NSDUH), the Monitoring the Future Study (MTF), and the Youth Risk Behavior Survey (YRBS), rates of substance use measured by these surveys are not directly comparable. See Appendix I, National Survey on Drug Use & Health (NSDUH); Monitoring the Future Study (MTF); Youth Risk Behavior Survey (YRBS). See Appendix II, Cigarette smoking; Illicit drug use; Substance use. Data for additional years are available. See Appendix III.

SOURCE: National Institutes of Health, National Institute on Drug Abuse (NIDA), Monitoring the Future Study, annual surveys.

Health, United States, 2010, web update