Table SubUseTn. 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 1980–2020

Excel version (with more data years and standard errors when available): https://www.cdc.gov/nchs/hus/contents2020-2021.htm#Table-SubUseTn

[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	1995	2000	2005	2009	2015	2018	2019	2020 ¹
Cigarettes				Percent u	sing substar	nce in the pa	st 30 days			
All 12th graders	30.5	29.4	33.5	31.4	23.2	20.1	11.4	7.6	5.7	7.5
Male	26.8	29.1	34.5	32.8	24.8	22.1	13.0	8.4	6.9	
Female	33.4	29.2	32.0	29.7	20.7	17.6	9.1	5.9	4.0	
White	31.0	32.5	37.3	36.6	27.0	23.7	13.4	9.7	6.2	
Black or African American	25.2	12.0	15.0	13.6	10.0	9.3	6.4	3.6	2.8	
All 10th graders			27.9	23.9	14.9	13.1	6.3	4.2	3.4	3.2
Male			27.7	23.8	14.5	13.7	6.1	4.4	3.9	
Female			27.9	23.6	15.1	12.5	6.3	3.7	2.9	
White			31.2	27.3	17.0	14.6	7.3	5.3	3.9	
Black or African American			12.2	11.3	7.7	6.4	3.5	1.4	1.6	
All 8th graders			19.1	14.6	9.3	6.5	3.6	2.2	2.3	2.2
-										
Male			18.8	14.3	8.7	6.7	3.3	2.1	1.7	
Female			19.0	14.7	9.7	6.0	3.7	2.0	2.8	
White			21.7	16.4	9.5	7.3	3.8	1.8	2.4	
Black or African American			8.2	8.4	6.7	4.5	2.4	1.4	1.0	
Nicotine vaping ²										
All 12th graders								20.9	25.5	24.7
Male								24.1	28.1	
Female								18.4	22.9	
White								29.4	32.4	
Black or African American								5.5	10.1	
All 10th graders								16.1	19.9	19.3
Male								16.2	20.3	
Female								15.9	19.5	
White								21.3	25.8	
Black or African American								4.1	9.5	
All 8th graders								6.1	9.6	10.5
Male								6.8	8.8	
Female								5.3	10.3	
White								6.8	12.1	
Black or African American								1.8	3.5	
								1.0	3.5	
Marijuana	22.7	140	21.2	21.6	10.0	20.6	21.2	22.2	22.2	21.1
All 12th graders	33.7	14.0	21.2	21.6	19.8	20.6	21.3	22.2	22.3	21.1
Male	37.8	16.1	24.6	24.7	23.6	24.3	23.1	24.0	23.0	
Female	29.1	11.5	17.2	18.3	15.8	16.8	19.2	19.2	21.1	
White	34.2	15.6	21.5	22.0	21.7	21.2	20.6	21.9	20.7	
Black or African American	26.5	5.2	17.8	17.5	15.1	20.6	20.9	23.8	23.8	
All 10th graders			17.2	19.7	15.2	15.9	14.8	16.7	18.4	16.6
Male			19.2	23.3	16.7	18.7	15.6	17.3	18.1	
Female			15.0	16.2	13.4	13.2	13.7	15.8	18.3	
White			17.7	20.1	15.7	15.6	13.7	15.2	16.7	
Black or African American			15.1	17.0	13.5	15.1	17.5	17.1	20.2	
All 8th graders			9.1	9.1	6.6	6.5	6.5	5.6	6.6	6.5
Male			9.8	10.2	7.6	7.5	6.6	5.6	5.9	
Female			8.2	7.8	5.7	5.3	6.2	5.3	7.4	
				0.0		- 0	4.5	2.0	4 -	
White			9.0	8.3	6.0	5.9	4.5	3.9	4.5	

See footnotes at end of table.

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Table SubUseTn. 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 1980–2020—Con.

Excel version (with more data years and standard errors when available): https://www.cdc.gov/nchs/hus/contents2020-2021.htm#Table-SubUseTn

[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	1995	2000	2005	2009	2015	2018	2019	2020 ¹
Cocaine				Percent u	sing substar	nce in the pa	st 30 days			
All 12th graders	5.2	1.9	1.8	2.1	2.3	1.3	1.1	1.1	1.0	0.8
Male	6.0	2.3	2.2	2.7	2.6	1.5	1.4	1.3	1.4	
Female	4.3	1.3	1.3	1.6	1.8	0.9	0.8	0.6	0.5	
White	5.4	1.8	1.7	2.2	2.3	1.2	1.0	1.2	0.8	
Black or African American	2.0	0.5	0.4	1.0	0.5	0.2	0.4	0.2	1.0	
All 10th graders			1.7	1.8	1.5	0.9	0.8	0.6	0.6	0.4
Male			1.8	2.1	1.9	1.0	0.9	0.8	0.6	
Female			1.5	1.4	1.2	0.8	0.6	0.4	0.6	
White			1.7	1.7	1.5	0.7	0.7	0.4	0.4	
Black or African American			0.4	0.4	0.8	0.5	0.7	0.2	0.2	
All 8th graders			1.2	1.2	1.0	0.8	0.5	0.3	0.3	0.1
Male			1.1	1.3	0.9	0.8	0.5	0.4	0.2	
Female			1.2	1.1	1.0	0.7	0.4	0.1	0.4	
White			1.0	1.1	0.9	0.7	0.4	0.1	0.4	
Black or African American			0.4	0.5	0.9	0.0	0.5	0.4	0.2	
			0.4	0.5	0.5	0.7	0.5	0.4	0.5	
Inhalants										
All 12th graders	1.4	2.7	3.2	2.2	2.0	1.2	0.7	0.7	0.9	0.7
Male	1.8	3.5	3.9	2.9	2.4	1.2	0.8	0.8	1.1	
Female	1.0	2.0	2.5	1.7	1.6	1.0	0.6	0.5	0.6	
White	1.4	3.0	3.7	2.1	2.1	1.1	0.5	0.8	0.8	
Black or African American	1.0	1.5	1.1	2.1	1.4	1.1	0.8	0.7	1.7	
All 10th graders			3.5	2.6	2.2	2.2	1.2	1.0	1.1	1.2
Male			3.8	3.0	1.9	1.8	1.1	0.8	0.9	
Female			3.2	2.2	2.5	2.6	1.2	1.1	1.2	
White			3.9	2.8	2.2	1.9	0.8	1.0	1.3	
Black or African American			1.2	1.5	1.4	1.3	1.4	1.6	1.5	
All 8th graders			6.1	4.5	4.2	3.8	2.0	1.8	2.1	2.9
Male			5.6	4.1	3.1	3.3	1.8	1.1	1.2	
Female			6.6	4.8	5.3	4.3	2.1	2.3	2.8	
White			7.0	4.8	4.0	3.7	1.6	1.5	2.6	
Black or African American			2.3	2.3	2.9	3.4	2.1	1.4	2.3	
MDMA (Ecstasy) ³										
All 12th graders				3.6	1.0	1.8	1.1	0.5	0.7	0.8
Male				4.1	1.0	2.4	1.2	8.0	1.2	
Female				3.1	1.0	1.2	1.0	0.2	0.3	
White				3.9	1.0	1.7	1.0	0.5	0.6	
Black or African American				1.9	0.9	1.8	1.2	0.4	1.2	
All 10th graders				2.6	1.0	1.3	0.9	0.4	0.7	0.5
Male				2.5	1.0	1.6	1.0	0.5	0.9	
Female				2.5	0.9	1.0	0.6	0.3	0.4	
White				2.5	1.0	1.0	0.8	0.2	0.6	
Black or African American				1.8	0.3	0.6	0.7	0.1	0.5	
All 8th graders				1.4	0.6	0.6	0.7	0.4	0.5	0.3
Male				1.4	0.8	0.5	0.3	0.4	0.5	
Female				1.0	0.8		0.4	0.3	0.6	
						0.6				
White				1.4	0.6	0.6	0.4	0.4	0.3	
Black or African American				0.8	0.9	0.1	0.3	0.2	0.2	

See footnotes at end of table.

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Table SubUseTn. 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 1980–2020—Con.

Excel version (with more data years and standard errors when available): https://www.cdc.gov/nchs/hus/contents2020-2021.htm#Table-SubUseTn

[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	1995	2000	2005	2009	2015	2018	2019	2020 ¹	
Alcohol ⁴	Percent using substance in the past 30 days										
All 12th graders	72.0	57.1	51.3	50.0	47.0	43.5	35.3	30.2	29.3	33.6	
Male	72.0 77.4	61.3	55.7	54.0	50.7	47.8	36.0	30.4	29.3		
Female	66.8	52.3	47.0	46.1	43.3	38.9	35.0	30.4	28.5		
White	75.8	62.2	54.8	55.3	52.2	46.6	39.7	36.3	33.5		
Black or African American	47.7	32.9	37.4	29.3	28.8	32.2	23.2	22.3	16.6		
Il 10th graders			38.8	41.0	33.2	30.4	21.5	18.6	18.4	20.3	
Male			39.7	43.3	32.8	31.0	20.6	18.2	18.1	20.5	
Female			37.8	38.6	33.6	29.8	22.5	19.1	18.6		
White			37.6 41.3	36.0 44.3	36.7	29.6 32.4	23.6	21.1	20.4		
Black or African American			24.9	24.7		20.1	14.8	10.6	12.3		
			24.9		20.8 17.1	14.9	9.7	8.2	7.9	9.9	
.ll 8th graders			24.6 25.0	22.4 22.5	17.1	14.9 14.7	9.7 9.1		7.9 7.3	9.5	
Male							9.1 9.9	7.4			
Female			24.0	22.0	17.9	14.9		9.1	8.3		
White			25.4	23.9	17.3	15.1	9.2	7.4	8.6		
Black or African American			17.3	15.1	13.9	11.1	8.5	5.2	4.6		
Binge drinking⁵			Perce	nt having 5	or more drir	nks in a row i	n the last 2 v	weeks			
All 12th graders	41.2	32.2	29.8	30.0	27.1	25.2	17.2	13.8	14.4	16.8	
Male	52.1	39.1	36.9	36.7	32.6	30.5	19.3	15.9	16.1		
Female	30.5	24.4	23.0	23.5	21.6	20.2	14.9	11.9	12.4		
White	44.6	36.2	32.9	34.4	31.8	28.7	19.8	17.9	17.3		
Black or African American	17.0	11.6	15.5	11.0	10.9	13.7	9.1	6.6	6.8		
ll 10th graders			22.0	24.1	19.0	17.5	10.9	8.7	8.5	9.6	
Male			24.1	27.6	19.9	18.8	11.3	9.1	9.0		
Female			19.7	20.6	17.9	16.1	10.6	8.3	7.9		
White			24.1	26.6	21.5	18.4	12.1	9.9	9.5		
Black or African American			9.6	10.6	8.4	10.0	6.6	3.4	4.9		
Il 8th graders			12.3	11.7	8.4	7.8	4.6	3.7	3.8	4.5	
Male			12.5	11.7	8.2	7.8	4.6	3.3	3.5		
Female			12.1	11.3	8.6	7.7	4.6	3.9	4.0		
White			12.6	12.5	8.4	7.4	4.2	2.8	4.0		
Black or African American			7.8	6.2	5.8	4.8	4.1	2.0	1.7		

^{- - -} Data not available

NOTES: Estimates for Hispanic students are not shown due to small sample size. For 2-year estimates for Hispanic students, see Johnston LD, Miech RA, O'Malley PM, Bachman JG, Schulenberg JE, Patrick ME. Demographic subgroup trends among adolescents in the use of various licit and illicit drugs, 1975–2019 (Monitoring the Future Occasional Paper No. 94). Ann Arbor, MI: Institute for Social Research, University of Michigan. 2020. Available from: https://files.eric.ed.gov/fulltext/ED608241.pdf. Because of methodological differences between the National Survey on Drug Use and Health and the Monitoring the Future Study, rates of substance use measured by these surveys are not directly comparable. See Sources and Definitions, National Survey on Drug Use and Health (NSDUH); Monitoring the Future (MTF) Study. Also see Sources and Definitions, Alcohol consumption; Binge alcohol use; Illicit drug use; Substance use; Tobacco use. Data for additional years are available in the Excel spreadsheet version of this table on the Health, United States website at: https://www.cdc.gov/nchs/hus/index.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 Sources and Definitions, Monitoring the Future (MTF) Study.

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In March 2020, in-school data collection was halted because of the novel coronavirus disease 2019 (COVID-19) pandemic. This halt resulted in a sample size about one-quarter the size of a typical data collection. Consequently, data by sex and race are not available for 2020. However, detailed analysis supports that the 2020 study results are nationally representative. See Sources and Definitions, Monitoring the Future (MTF)

^{1940 -} Plan 2017, questions on vaping were revised to include separate questions on vaping of nicotine, marijuana, and "just flavoring." See Sources and Definitions, Tobacco use.

³ Starting 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 for 2014 and beyond are only for the revised question that includes "Molly," See Sources and Definitions, Illicit drug use.

⁴ in 1993, the alcohol question was changed to indicate that a drink meant more than a few sips. Data for 1993 (shown in spreadsheet version) are based on a one-half sample. See Sources and Definitions, Alcohol consumption.

⁵Five or more alcoholic drinks in a row at least once in the prior 2-week period. See Sources and Definitions, Binge alcohol use.