

TABLE C-4
Trends in Daily Prevalence of Use of Selected Drugs and Heavy Use of Alcohol and Tobacco
for Grades 8, 10, and 12 Combined

(Entries are percentages.)

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Marijuana	0.9	<u>0.9</u>	1.2	2.1	2.7	3.2	3.4	3.4	3.5	3.5	3.7	3.5	3.4	3.0	2.9	2.8	2.7
Alcohol	1.7	1.6†	2.0	1.8	1.9	2.0	2.1	2.2	2.0	1.7	2.0	1.9	1.7	1.5	1.5	1.5	1.6
5+ drinks in a row in last 2 weeks	20.0	19.0	19.5	20.3	21.1	21.9	21.9	21.5	21.7	21.2	20.4	18.9	18.6	18.8	17.5	17.4	17.2
Been drunk	0.4	0.4	0.5	0.6	0.7	0.7	0.9	0.8	0.9	0.8	0.7	0.6	0.7	0.7	0.6	0.7	0.6
Cigarettes	12.4	11.9	13.5	14.0	15.5	16.8	16.9	15.4	15.0	13.4	11.6	10.2	9.3	9.0	8.0	7.6	7.1
1/2 pack+/day	6.5	6.1	6.9	7.2	7.9	8.7	8.6	7.9	7.6	6.4	5.7	4.9	4.5	4.1	3.7	3.4	3.0
Vaping nicotine	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Vaping marijuana	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Vaping just flavoring	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Smokeless tobacco	—	3.0	2.7	2.9	2.5	2.3	2.5	2.1	1.7	1.9	2.0	1.4	1.6	1.7	1.6	1.5	1.6

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TABLE C-4 (continued)
Trends in Daily Prevalence of Use of Selected Drugs and Heavy Use of Alcohol and Tobacco
for Grades 8, 10, and 12 Combined

(Entries are percentages.)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 ^b	2020	2021	2022	2023	2022–2023 change	<u>Peak year–2023 change</u>		<u>Low year–2023 change</u>	
																		Absolute change	Proportional change (%) ^a	Absolute change	Proportional change (%) ^a
Marijuana	2.8	2.8	3.4	3.6	3.6	3.7	3.3	3.3	3.0	3.1	3.2	4.1	4.1	3.1	3.2	3.3	+0.1	-0.8 sss	-20.3	+2.4 sss	+256.9
Alcohol	1.4	1.3	1.4	1.0	1.2	1.1	1.0	0.8	0.7	0.7	0.6	0.8	1.3	0.5	0.7	<u>0.5</u>	-0.2 s	-1.7 sss	-77.6	—	—
5+ drinks in a row in last 2 weeks	15.5	16.1	14.9	13.6	14.3	13.2	11.7	10.7	9.4	9.9	8.6	8.7	10.1	6.6	6.7	<u>5.7</u>	-1.0 s	-16.2 sss	-73.9	—	—
Been drunk	0.6	0.5	0.6	0.5	0.6	0.5	0.5	0.3	0.3	0.4	0.3	0.4	0.4	<u>0.2</u>	0.3	0.3	0.0	-0.6 sss	-69.2	+0.1	+41.1
Cigarettes	6.4	6.4	6.4	5.7	5.2	4.7	3.6	3.2	2.5	2.3	2.0	1.5	1.6	1.0	0.8	<u>0.7</u>	-0.1	-16.2 sss	-95.7	—	—
1/2 pack+/day	2.7	2.6	2.5	2.1	1.9	1.8	1.4	1.1	0.9	0.8	0.8	0.5	0.6	<u>0.4</u>	0.4	0.5	0.0	-8.3 sss	-94.7	0.0	+8.8
Vaping nicotine	—	—	—	—	—	—	—	—	—	—	—	9.2	2.9	<u>2.9</u>	3.5	3.1	-0.4	-6.1 sss	-66.4	+0.2	+5.2
Vaping marijuana	—	—	—	—	—	—	—	—	—	—	—	2.4	<u>0.9</u>	1.1	1.3	1.3	0.0	-1.1 sss	-46.6	+0.4 ss	+41.9
Vaping just flavoring	—	—	—	—	—	—	—	—	—	—	—	2.0	1.0	<u>0.7</u>	1.1	1.1	0.0	-0.9 sss	-45.5	+0.4 ss	+53.1
Smokeless tobacco	1.6	1.8	2.1	1.8	1.9	1.7	1.8	1.7	1.4	1.0	1.0	0.8	1.6	0.5	0.7	<u>0.5</u>	-0.2	-2.5 sss	-84.0	—	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. '‡' indicates a change in the question text. When a question change occurs, peak levels after that change are used to calculate the peak year to current year difference.

Values in bold equal peak levels since 1991. Values in italics equal peak level before wording change. Underlined values equal lowest level since recent peak level.

Level of significance of difference between classes: s = .05, ss = .01, sss = .001.

Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

^aThe proportional change is the percent by which the most recent year deviates from the peak year [or the low year] for the drug in question. So, if a drug was at 20% prevalence in the peak year and declined to 10% prevalence in the most recent year, that would reflect a proportional decline of 50%.

^bDrug prevalence results in 2019 combine results from paper-and-pencil surveys with those completed using electronic tablets. In 2019, students in a randomly-selected half of schools completed MTF surveys on paper-and-pencil and students in the other half completed the surveys using electronic tablets. Analysis of this randomized controlled trial demonstrated that these results did not significantly differ across survey mode (Miech, R.A., Couper, M.P., Heeringa, S.G., and Patrick, M.E. The Impact of Survey Mode on US National Estimates of Adolescent Drug Prevalence: Results from a Randomized Controlled Study, Addiction).