TABLE C-1

Trends in Lifetime Prevalence of Use of Various Drugs 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
Any Illicit Drug[b]	30.4	29.8	32.1	35.7	38.9	42.2	*43.3*	42.3	41.9	41.0	40.9	39.5	37.5	36.4	35.7	34.0	32.7
Any Illicit Drug other than Marijuana[b]	19.7	19.7	21.2	22.0	23.6	*24.2*	24.0	23.1	22.7	22.1‡	*23.2*	21.1	19.8	19.3	18.6	18.2	17.7
Any Illicit Drug including Inhalants[b]	36.8	36.3	38.8	41.9	44.9	47.4	*48.2*	47.4	46.9	46.2	45.5	43.7	41.9	41.3	41.0	39.3	38.0
Marijuana/Hashish	22.7	21.1	23.4	27.8	31.6	35.6	**37.8**	36.5	36.4	35.3	35.3	34.0	32.4	31.4	30.8	28.9	27.9
Inhalants	17.0	16.9	18.2	18.6	**19.4**	19.1	18.6	18.1	17.5	16.4	15.3	13.6	13.4	13.7	14.1	13.7	13.5
Hallucinogens	6.1	6.3	7.0	7.7	8.9	10.0	*10.2*	9.5	9.0	8.5‡	**9.2**	7.6	6.9	6.3	5.9	5.7	5.8
LSD	5.5	5.7	6.5	6.9	8.1	8.9	**9.1**	8.3	7.9	7.2	6.5	5.0	3.7	3.0	2.6	2.5	2.6
Hallucinogens other than LSD	2.4	2.5	2.7	3.6	3.9	4.8	*4.9*	4.8	4.4	4.5‡	**6.7**	6.0	5.8	5.6	5.4	5.2	5.1
Ecstasy (MDMA)[c]	—	—	—	—	—	4.9	5.2	4.5	5.3	7.2	**8.0**	6.9	5.4	4.7	4.0	4.3	4.5
Cocaine	4.6	4.0	4.1	4.5	5.1	6.0	6.6	7.0	**7.2**	6.5	5.9	5.7	5.3	5.5	5.5	5.3	5.2
Crack	2.0	1.9	2.0	2.5	2.8	3.2	3.4	3.8	**3.8**	3.5	3.2	3.2	2.9	2.9	2.8	2.6	2.5
Other cocaine	4.1	3.5	3.6	3.9	4.2	5.2	5.9	6.1	**6.3**	5.6	5.1	4.8	4.5	4.7	4.7	4.7	4.6
Heroin	1.1	1.3	1.3	1.6	1.9	2.1	2.1	2.2	**2.2**	2.1	1.7	1.7	1.5	1.5	1.5	1.4	1.4
Amphetamines[b]	12.9	12.5	13.8	14.3	15.2	*15.5*	15.2	14.5	14.0	13.5	13.9	13.1	11.8	11.2	10.3	10.1	9.5
Methamphetamine	—	—	—	—	—	—	—	—	**6.5**	6.2	5.8	5.3	5.0	4.5	3.9	3.4	2.5
Tranquilizers	5.5	5.3	5.4	5.5	5.8	6.5	6.6	6.9	*7.0*	6.9‡	**7.9**	7.9	7.3	7.1	6.8	7.0	6.7
Alcohol	*80.1*	79.2‡	68.4	68.4	68.2	68.4	**68.8**	67.4	66.4	66.6	65.5	62.7	61.7	60.5	58.6	57.0	56.3
Been drunk	**46.3**	44.9	44.6	44.3	44.5	45.1	45.7	44.0	43.7	44.0	43.4	40.5	38.9	39.4	38.4	37.6	36.6
Flavored alcoholic beverages	—	—	—	—	—	—	—	—	—	—	—	—	—	**54.7**	54.7	53.1	51.3
Cigarettes	53.5	53.0	54.0	54.6	55.8	**57.8**	57.4	56.0	54.5	51.8	49.1	44.2	40.8	39.6	37.4	35.0	33.3
Smokeless tobacco	—	26.2	25.6	**26.3**	26.0	25.7	22.7	21.1	19.4	17.9	16.6	15.2	14.1	13.6	13.8	13.3	12.9
Any Vaping[d]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Vaping nicotine	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Vaping marijuana	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Vaping just flavoring	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Steroids	1.9	1.8	1.8	2.1	2.1	1.8	2.1	2.3	2.8	3.0	**3.3**	3.3	3.0	2.5	2.1	2.0	1.8

Table continued on next page.

TABLE C-1 (continued)
Trends in Lifetime Prevalence of Use of Various Drugs for Grades 8, 10, and 12 Combined

(Entries are percentages.)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 [e]	2020	2021	2022	2023	2022–2023 change	Peak year–2023 change: Absolute change	Peak year–2023 change: Proportional change (%) [a]	Low year–2023 change: Absolute change	Low year–2023 change: Proportional change (%) [a]
Any Illicit Drug[b]	32.6	33.2	34.4	34.7	34.1	36.0‡	**34.9**	34.3	32.6	33.4	33.9	34.8	34.7	27.0	28.4	27.2	-1.2	-7.7 sss	-22.2	+0.2	+0.8
Any Illicit Drug other than Marijuana[b]	16.8	16.5	16.8	16.1	15.5	16.8‡	**15.8**	15.1	14.3	14.0	14.2	14.2	14.3	10.1	10.7	9.9	-0.7	-5.9 sss	-37.3	—	—
Any Illicit Drug including Inhalants[b]	37.9	37.9	38.8	38.7	37.9	39.3‡	37.9	37.4	34.9	36.5	36.6	37.8	**38.3**	31.0	31.9	30.6	-1.3	-7.7 sss	-20.0	—	—
Marijuana/Hashish	27.9	29.0	30.4	31.0	30.7	32.0	30.5	30.0	28.6	29.3	29.7	30.6	30.2	23.1	24.4	23.1	-1.3	-14.7 sss	-38.8	—	—
Inhalants	13.1	12.5	12.1	10.6	10.0	8.9	8.8	7.5	6.5	6.7	6.6	7.3	8.1	7.9	7.7	7.3	-0.5	-12.1 sss	-62.5	+0.8	+12.2
Hallucinogens	5.6	5.3	5.8	5.7	5.0	5.0	4.3	4.3	4.3	4.2	4.1	4.6	5.0	4.0	4.1	4.0	-0.0	-5.2 sss	-56.3	—	—
LSD	2.7	2.5	2.8	2.7	2.5	2.6	2.4	2.8	3.1	3.1	3.0	3.5	3.9	2.8	2.4	2.1	-0.3	-7.0 sss	-77.1	—	—
Hallucinogens other than LSD	4.8	4.7	5.0	4.9	4.3	4.1	3.5	3.1	3.0	2.9	2.8	3.1	3.3	3.0	3.2	3.4	+0.1	-3.3 sss	-49.6	+0.5 s	+19.0
Ecstasy (MDMA)[c]	4.1	4.6	5.5	5.5	4.6	4.7‡	**5.0**	4.0	3.1	3.0	2.7	2.7	2.6	1.7	1.8	1.3	-0.5	-3.8 sss	-74.5	—	—
Cocaine	4.8	4.2	3.8	3.4	3.3	3.1	2.9	2.7	2.3	2.5	2.6	2.4	2.4	1.4	1.3	1.1	-0.2	-6.1 sss	-84.7	—	—
Crack	2.2	2.0	1.9	1.6	1.5	1.5	1.3	1.3	1.0	1.1	1.1	1.1	1.0	0.9	0.8	0.7	-0.1	-3.2 sss	-82.0	—	—
Other cocaine	4.1	3.7	3.4	3.1	2.9	2.7	2.5	2.3	2.1	2.1	2.3	2.1	2.2	1.2	1.0	0.9	-0.2	-5.4 sss	-85.9	—	—
Heroin	1.3	1.4	1.4	1.2	1.0	1.0	0.9	0.7	0.6	0.6	0.6	0.6	0.4	0.4	0.5	0.5	0.0	-1.7 sss	-77.4	+0.1	+27.6
Amphetamines[b]	8.6	8.6	8.9	8.6	8.3	10.5‡	**9.7**	9.1	8.1	7.7	7.7	7.6	7.8	5.3	5.6	5.0	-0.6	-4.7 sss	-48.2	—	—
Methamphetamine	2.5	2.2	2.2	1.8	1.6	1.5	1.4	1.1	0.8	0.9	0.7	0.8	1.2	0.4	0.7	0.5	-0.3	-6.1 sss	-93.0	+0.1	+16.3
Tranquilizers	6.3	6.5	6.6	6.0	5.8	5.2	5.3	5.2	5.5	5.6	5.4	5.3	5.2	2.8	3.0	2.5	-0.5 s	-5.4 sss	-68.3	—	—
Alcohol	55.1	54.6	53.6	51.5	50.0	48.4	46.4	45.2	41.9	41.7	41.2	41.5	44.0	36.3	41.3	35.7	-5.6 sss	-33.1 sss	-48.1	—	—
Been drunk	35.1	35.9	34.2	32.5	32.8	31.7	29.2	28.2	26.4	26.0	25.6	25.0	26.4	21.1	21.0	18.7	-2.3 ss	-27.5 sss	-59.5	—	—
Flavored alcoholic beverages	49.3	47.9	46.7	44.5	42.7	41.1	38.8	37.4	33.8	33.5	34.3	30.6	32.8	26.9	30.0	27.2	-2.8 s	-27.5 sss	-50.2	+0.3	+0.9
Cigarettes	31.3	31.2	30.9	28.7	27.0	25.6	22.9	21.1	18.2	17.0	16.1	15.3	16.2	11.4	10.9	9.9	-1.0	-47.9 sss	-82.9	—	—
Smokeless tobacco	12.3	13.5	14.5	13.8	13.5	12.8	12.1	11.3	10.3	8.7	8.8	8.7	12.0	6.0	6.6	5.9	-0.7	-20.4 sss	-77.7	—	—
Any Vaping[d]	—	—	—	—	—	—	—	*29.9*	26.6‡	28.2	33.4	36.7	**37.2**	28.9	29.1	26.1	-3.0 sss	-11.1 sss	-29.8	—	—
Vaping nicotine	—	—	—	—	—	—	—	—	—	18.9	25.2	32.3	**35.0**	27.6	27.7	24.8	-2.9 sss	-10.2 sss	-29.2	+5.9 sss	+31.4
Vaping marijuana	—	—	—	—	—	—	—	—	—	8.5	11.7	18.1	**20.1**	15.9	17.6	16.6	-1.0	-3.5 sss	-17.2	+8.1 sss	+95.9
Vaping just flavoring	—	—	—	—	—	—	—	—	—	24.9	**28.3**	25.3	25.0	18.8	18.2	17.2	-1.0	-11.1 sss	-39.3	—	—
Steroids	1.6	1.5	1.5	1.5	1.4	1.5	1.4	1.5	1.3	1.2	1.3	1.6	1.9	0.9	1.3	1.1	-0.2	-2.2 sss	-66.4	+0.2	+20.3

(Table continued on next page.)

TABLE C-1 (continued)
Trends in Lifetime Prevalence of Use of Various Drugs for Grades 8, 10, and 12 Combined

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.

[a]The 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%.

[b]In 2013, for the questions on the use of amphetamines, the text was changed on two of the questionnaire forms for 8th and 10th graders and four of the questionnaire forms for 12th graders. This change also impacted the any illicit drug indices. Data presented here include only the changed forms beginning in 2013.

[c]In 2014, the text was changed on one of the questionnaire forms for 8th, 10th, and 12th graders to include "molly" in the description. The remaining forms were changed in 2015. Data for both versions of the question are presented here.

[d]In 2017, the surveys switched from asking about vaping in general to asking separately about vaping nicotine, marijuana, and just flavoring. Beginning in 2017, data presented for any vaping are based on these new questions.

[e]Drug 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).