

January 27, 1994 (21)
Contact: Diane Swanbrow
Phone: (313) 747-4416

Drug use rises among American teen-agers, as fewer see dangers and as peer norms begin to change. Cigarette smoking among teens also begins to increase.

FOR RELEASE AT 1:30 P.M. EST, MONDAY, JANUARY 31, 1994.

EDITORS: Results of this survey will be released at a news conference on Jan. 31 at 1:30 p.m. at the Hubert H. Humphrey Building in Washington, D.C. Joining Lloyd Johnston, the principal investigator of the Monitoring the Future Study, will be Donna E. Shalala, Secretary of Health and Human Services, Richard W. Riley, Secretary of Education, and Lee P. Brown, Director of the Office of National Drug Control Policy. For further information on the study, contact Johnston at (313) 763-5043.

ANN ARBOR---Drug use among American young people has been making a clear comeback in the past two years. That is the conclusion of University of Michigan research scientists Lloyd Johnston, Patrick O'Malley, and Jerald Bachman, all at the University's Institute for Social Research.

In the 1993 results from their 19th annual survey of American high school seniors and their third annual survey of eighth- and 10th-graders, the investigators report a sharp rise in marijuana use throughout the country at all three grade levels, as well as an increase in the use of stimulants, LSD, and inhalants. They also note an increase in cigarette smoking in all three grades.

"Last year we reported an upswing in the use of a number of drugs among the eighth-graders," states Johnston, "and at the same time some important attitudes and beliefs about drugs began to soften in all three grades. These attitudes and beliefs---specifically, the dangers believed to be associated with the use of these drugs, as well as personal disapproval of using them---play a critical role in deterring use. When they begin to soften, as they did last

(more)

year, an increase in use can be expected." These attitudes softened still more in 1993.

The Monitoring the Future Study is funded under a series of grants from the National Institute on Drug Abuse (NIDA), a component of the National Institutes of Health. It addresses a broad array of research objectives, including measuring and explaining changes in drug use among American young people. At present, approximately 50,000 students in more than 400 schools are surveyed annually. They constitute nationally representative samples of all eighth-, 10th-, and 12th-grade students in the coterminous United States.

Marijuana. In 1993 the proportion of students reporting any use of marijuana in the prior 12 months was 9 percent for eighth-graders, 19 percent for 10th-graders, and 26 percent for 12th-graders. All of these rates increased by three or four percentage points in the last year or two. (See Table 1.) Put another way, the proportion of eighth-graders using marijuana has increased by half in the last two years, while the proportion of 10th-grade users increased by about a quarter and the proportion of 12th-grade users by about a fifth. "These rates are still well below the peak levels reached in the late 70s," observes Johnston, "but they clearly represent a reversal of the declines we recorded for more than a decade." (See Figure 6.)

LSD. Other drugs have also been on the increase. LSD use has been increasing gradually at all three grade levels. Johnston notes, "LSD was one of the earliest drugs to fall from favor in the epidemic of the last 15 years, as concerns about its harmful effects mounted. Today youngsters may need to learn the same lessons the hard way, since they have had fewer firsthand opportunities to learn from events around them. Of course, there is an alternative: We could do a better job educating and persuading them than we have been doing in the last few years."

Inhalants. The use of inhalants (like glues, solvents, and aerosols) also rose in the past two years at all three grade levels. Inhalants are unusual in that they are most likely to be used actively in the earlier grade levels, the

(more)

investigators note. For example, 11 percent of the eighth-graders (one in every nine) reported using an inhalant in the previous year, compared with 8 percent of the 10th-graders and 7 percent of the 12th-graders. Among 12th-graders, inhalant use has risen fairly steadily from the mid-70s to the late-80s. (See Table 3.) Over the most recent two years, inhalant use rose again, at all three grade levels. (See Figure 6.) "We don't think that young people fully understand the dangers of inhalants, perhaps because most of the substances inhaled are common household products," the investigators state, "but they definitely can be lethal."

Stimulants. This class of drugs, comprised of the prescription-controlled amphetamines, was at one time the second most widely used after marijuana. Stimulant use began to fall from favor after 1981, perhaps in part because of the growing popularity of cocaine, and use dropped to a relatively low level. However, use has risen at all three grade levels over the past one to two years. (See Table 1 and Figure 6.)

"Certainly the combination of drugs now growing in popularity---marijuana, LSD, and amphetamines---is reminiscent of what was popular in the early days of the drug epidemic," observes Johnston. "Other drugs then followed in popularity. I certainly hope that we are not seeing a rebirth of the old epidemic."

Attitudes and Beliefs about Drugs. Johnston adds, "The changes in use would worry me less if the underlying attitudes and beliefs were not also continuing to shift in a direction favorable to drug use. Unfortunately, the perceived dangers of nearly all of the illicit drugs declined in 1993 at all grade levels." (See Tables 6 and 7.) There was a fair drop in the proportions seeing marijuana use as dangerous at any level, even regular use.

The perceived risks associated with crack and powdered cocaine also dropped in all three grades. Personal disapproval of crack and cocaine use also fell. While there was little change in the actual use of either crack or powdered cocaine in 1993, the investigators fear that these changes in beliefs and attitudes could presage an increase in their use, as well.

(more)

"With more young people smoking cigarettes and using marijuana, and with the psychological and social constraints on use declining, the stage is set for a potential resurgence of cocaine and crack use in this population," comments Johnston. "This is one of the reasons we take these developments so seriously. The country cannot afford another cocaine epidemic. We are already struggling to reduce a large population of heavy users through costly programs; we certainly don't need any more recruits to this group from a new generation."

Social norms against use, reflected in the proportion of students who disapprove use of these drugs, have been softening in the last year or so for marijuana, LSD, amphetamines, crack, and powdered cocaine. (See Tables 8 and 9.)

Alcohol. The legal drugs, alcohol and cigarettes, are still the most widely used at all grade levels. Two-thirds of the eighth-graders and nearly nine-tenths of the 12th-graders have tried alcohol, while a quarter of the eighth-graders and half of the 12th-graders have used in the month prior to the survey. Episodes of heavy drinking are also common. Asked if they had five or more drinks in a row on at least one occasion in the prior two weeks, 14 percent of eighth-graders, 23 percent of 10th-graders, and 28 percent of 12th-graders said they had.

These statistics on drinking have changed relatively little since 1991, but the 12th-graders have had a longer-term decline in episodes of heavy drinking---one which began in the early 80s and now seems to be decelerating. (See Tables 1 and 5.)

Cigarettes. "Most people would probably tell you that smoking rates among young Americans are declining," observes Johnston, "since they know that adult smoking rates are declining. In fact, however, the rates for high school seniors have been fairly steady for nearly a decade, and now are on the increase." The rate of daily smoking rose significantly in all three grade levels in 1993---from 7 percent to 8 percent among eighth-graders, from 12 percent to 14 percent among 10th-graders, and from 17 percent to 19 percent among 12th-graders.

(more)

Johnston states, "It is unconscionable that cigarette smoking is increasing among our young people, given all that we know about the eventual health care costs, disease, and premature death which will result from this insidious form of drug use. It is clear that as a society we have not been doing what it takes to protect our children. Because these extraordinary health consequences don't show up for 30 years, we have been able to turn a blind eye to this tragedy."

While perceptions of the dangers associated with smoking have, if anything, risen slightly over the past two years, still nearly half (47 percent) of the eighth-graders do not believe that there is a great risk associated with pack-a-day smoking. Among seniors, more than 30 percent still do not believe there is great risk. (See Table 6.)

In addition, personal disapproval of smoking has fallen over the past two years in all grades. This means that peer norms are becoming less restrictive. (See Table 8.) "Here we are 30 years past the first Surgeon General's report on smoking and health, and we still have a substantial fraction of our children becoming smokers: Indeed, we now have a rising proportion. That should be unacceptable to every parent, every educator, every politician, indeed to every citizen in the country," asserts Johnston.

Racial/ethnic differences. Three major racial/ethnic groups (white, Black, and Hispanic) were distinguished in certain analyses, and trends in two-year moving averages were examined. "In general, and contrary to conventional wisdom, Black students report the lowest rates of use for virtually all drugs, licit and illicit; and this is true at all three grade levels included in the survey."

In the long term trends observed among seniors, the three groups generally show similar trends, with three major exceptions: (1) Blacks have shown a long term, continuing decline in smoking while whites and Hispanics leveled off some years ago; (2) Blacks have not shown the increase in LSD use which has been observed among whites and Hispanics in recent years; and (3) Blacks have shown less increase in inhalant use over the years than the other two groups.

Demographic comparisons. The recent increases in the use of marijuana, LSD, stimulants, and inhalants generally are occurring across most sectors of society. They are not just concentrated in large cities or particular regions of the country, for example.

* * * * *

The Monitoring the Future Study is also widely known as the National High School Senior Survey. It has been conducted under a series of research grants from the National Institute on Drug Abuse. Surveys have been carried out each year since 1975 by the University of Michigan's Institute for Social Research. The 1993 samples are comprised of roughly 17,000 seniors in 139 public and private high schools nationwide, selected to be representative of all seniors in public and private high schools in the coterminous United States. They complete self-administered questionnaires given to them in their classrooms by U-M personnel.

Beginning in 1991, similar surveys of nationally representative samples of eighth- and 10th-graders have been conducted annually. In 1993, the 10th-grade sample was comprised of 15,500 students in 128 schools, while the eighth-grade sample contained 18,800 students in 159 schools. Other years had similar sample sizes.

#####

(LJohnston;JBachman;PO'Malley;ISR) (R1-3;ISR;Ed1-2A;Rtsp)
(TC/1-8) [drug]

TABLE 1

**Trends in Prevalence¹ of Various Drugs for Three Populations:
Eighth, Tenth, and Twelfth Graders**

	<u>Lifetime</u>				<u>Annual</u>				<u>30-Day</u>				<u>Daily</u>			
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>
Any Illicit Drug ^a	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	44.1	40.7	42.9	+2.2s	29.4	27.1	31.0	+3.9sss	16.4	14.4	18.3	+3.9sss	—	—	—	—
Any Illicit Drug ^b Other Than Marijuana	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	26.9	25.1	26.7	+1.6	16.2	14.9	17.1	+2.2ss	7.1	6.3	7.9	+1.6sss	—	—	—	—
Marijuana/Hashish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8th Grade	10.2	11.2	12.6	+1.4ss	6.2	7.2	9.2	+2.0sss	3.2	3.7	5.1	+1.4sss	0.2	0.2	0.4	+0.2ss
10th Grade	23.4	21.4	24.4	+3.0ss	16.5	15.2	19.2	+4.0sss	8.7	8.1	10.9	+2.8sss	0.8	0.8	1.0	+0.2
12th Grade	36.7	32.6	35.3	+2.7s	23.9	21.9	26.0	+4.1sss	13.8	11.9	15.5	+3.6sss	2.0	1.9	2.4	+0.5s
Inhalants ^{c,d}	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8th Grade	17.6	17.4	19.4	+2.0s	9.0	9.5	11.0	+1.5s	4.4	4.7	5.4	+0.7	0.2	0.3	0.3	0.0
10th Grade	15.7	16.6	17.5	+0.9	7.1	7.5	8.4	+0.9	2.7	2.7	3.3	+0.6s	0.1	0.1	0.2	+0.1
12th Grade	17.6	16.6	17.4	+0.8	6.6	6.2	7.0	+0.8	2.4	2.3	2.5	+0.2	0.2	0.1	0.1	0.0
Hallucinogens ^d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8th Grade	3.2	3.8	3.9	+0.1	1.9	2.5	2.6	+0.1	0.8	1.1	1.2	+0.1	0.1	0.1	0.1	0.0
10th Grade	6.1	6.4	6.8	+0.4	4.0	4.3	4.7	+0.4	1.6	1.8	1.9	+0.1	*	0.1	0.1	0.0
12th Grade	9.6	9.2	10.9	+1.7ss	5.8	5.9	7.4	+1.5ss	2.2	2.1	2.7	+0.6s	0.1	0.1	0.1	0.0
LSD	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8th Grade	2.7	3.2	3.5	+0.3	1.7	2.1	2.3	+0.2	0.6	0.9	1.0	+0.1	*	*	*	0.0
10th Grade	5.6	5.8	6.2	+0.4	3.7	4.0	4.2	+0.2	1.5	1.6	1.6	0.0	*	0.1	*	0.0
12th Grade	8.8	8.6	10.3	+1.7ss	5.2	5.6	6.8	+1.2ss	1.9	2.0	2.4	+0.4	0.1	0.1	0.1	0.0
PCP ^e	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	2.9	2.4	2.9	+0.5	1.4	1.4	1.4	0.0	0.5	0.6	1.0	+0.4	0.1	0.1	0.1	+0.1
Hallucinogens Other than LSD	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8th Grade	1.4	1.7	1.7	0.0	0.7	1.1	1.0	-0.1	0.3	0.4	0.5	+0.1	*	*	*	0.0
10th Grade	2.2	2.5	2.8	+0.3	1.3	1.4	1.9	+0.5s	0.4	0.5	0.7	+0.2	*	*	*	0.0
12th Grade	3.7	3.3	3.9	+0.6	2.0	1.7	2.2	+0.5s	0.7	0.5	0.8	+0.3s	*	*	*	0.0

SOURCE: Monitoring The Future Study, The University Of Michigan.

(Table continued on next page)

TABLE 1 (continued)

**Trends in Prevalence of Various Drugs for Three Populations:
Eighth, Tenth, and Twelfth Graders**

	<u>Lifetime</u>				<u>Annual</u>				<u>30-Day</u>				<u>Daily</u>			
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>
Cocaine																
8th Grade	2.3	2.9	2.9	0.0	1.1	1.5	1.7	+0.2	0.5	0.7	0.7	0.0	0.1	*	0.1	0.0
10th Grade	4.1	3.3	3.6	+0.3	2.2	1.9	2.1	+0.2	0.7	0.7	0.9	+0.2	0.1	*	0.1	0.0
12th Grade	7.8	6.1	6.1	0.0	3.5	3.1	3.3	+0.2	1.4	1.3	1.3	0.0	0.1	0.1	0.1	0.0
Crack																
8th Grade	1.3	1.6	1.7	+0.1	0.7	0.9	1.0	+0.1	0.3	0.5	0.4	-0.1	*	*	0.1	0.0
10th Grade	1.7	1.5	1.8	+0.3	0.9	0.9	1.1	+0.2	0.3	0.4	0.5	+0.1	*	*	*	0.0
12th Grade	3.1	2.6	2.6	0.0	1.5	1.5	1.5	0.0	0.7	0.6	0.7	+0.1	0.1	0.1	0.1	0.0
Other Cocaine^f																
8th Grade	2.0	2.4	2.4	0.0	1.0	1.2	1.3	+0.1	0.5	0.5	0.6	+0.1	*	*	*	0.0
10th Grade	3.8	3.0	3.3	+0.3	2.1	1.7	1.8	+0.1	0.6	0.6	0.7	+0.1	*	*	*	0.0
12th Grade	7.0	5.3	5.4	+0.1	3.2	2.6	2.9	+0.3	1.2	1.0	1.2	+0.2	0.1	*	0.1	0.0
Heroin																
8th Grade	1.2	1.4	1.4	0.0	0.7	0.7	0.7	0.0	0.3	0.4	0.4	0.0	*	*	*	0.0
10th Grade	1.2	1.2	1.3	+0.1	0.5	0.6	0.7	+0.1	0.2	0.2	0.3	+0.1	*	*	*	0.0
12th Grade	0.9	1.2	1.1	-0.1	0.4	0.6	0.5	-0.1	0.2	0.3	0.2	-0.1	*	*	*	0.0
Ice^g																
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	3.3	2.9	3.1	+0.2	1.4	1.3	1.7	+0.4	0.6	0.5	0.6	+0.1	0.1	0.1	0.1	-0.1
Other Opiates																
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	6.6	6.1	6.4	+0.3	3.5	3.3	3.6	+0.3	1.1	1.2	1.3	+0.1	0.1	*	*	0.0
Stimulants																
8th Grade	10.5	10.8	11.8	+1.0	6.2	6.5	7.2	+0.7	2.6	3.3	3.6	+0.3	0.1	0.1	0.1	0.0
10th Grade	13.2	13.1	14.9	+1.8 ^{ss}	8.2	8.2	9.6	+1.4 ^s	3.3	3.6	4.3	+0.7	0.1	0.1	0.3	+0.2 ^s
12th Grade	15.4	13.9	15.1	+1.2	8.2	7.1	8.4	+1.3 ^{ss}	3.2	2.8	3.7	+0.9 ^{ss}	0.2	0.2	0.2	0.0
Tranquilizers																
8th Grade	3.8	4.1	4.4	+0.3	1.8	2.0	2.1	+0.1	0.8	0.8	0.9	+0.1	*	*	0.1	0.0
10th Grade	5.8	5.9	5.7	-0.2	3.2	3.5	3.3	-0.2	1.2	1.5	1.1	-0.4 ^s	*	*	*	0.0
12th Grade	7.2	6.0	6.4	+0.4	3.6	2.8	3.5	+0.7 ^s	1.4	1.0	1.2	+0.2	0.1	*	*	0.0
Nitrites^h																
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	1.6	1.5	1.4	-0.1	0.9	0.5	0.9	+0.4	0.4	0.3	0.6	+0.3	0.2	0.1	0.1	0.0
Barbiturates																
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	6.2	5.5	6.3	+0.8	3.4	2.8	3.4	+0.6	1.4	1.1	1.3	+0.2	0.1	*	0.1	0.0

(Table continued on next page)

TABLE 1 (continued)
Trends in Prevalence of Various Drugs for Three Populations:
Eighth, Tenth, and Twelfth Graders

	<u>Lifetime</u>				<u>Annual</u>				<u>30-Day</u>				<u>Daily</u>			
	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>
Alcohol ^h																
Any use																
8th Grade	70.1	69.3	67.1	-2.2	54.0	53.7	51.6	-2.1	25.1	26.1	26.2	+0.1	0.5	0.6	0.8	+0.2
10th Grade	83.8	82.3	80.8	-1.5	72.3	70.2	69.3	-0.9	42.8	39.9	41.5	+1.6	1.3	1.2	1.6	+0.4s
12th Grade	88.0	87.5	87.0	-0.5	77.7	76.8	76.0	-0.8	54.0	51.3	51.0	-0.3	3.6	3.4	2.5	-0.9s
Been Drunk ^e																
8th Grade	26.7	26.8	26.4	-0.4	17.5	18.3	18.2	-0.1	7.6	7.5	7.8	+0.3	0.1	0.1	0.2	+0.1
10th Grade	50.0	47.7	47.9	+0.2	40.1	37.0	37.8	+0.8	20.5	18.1	19.8	+1.7s	0.2	0.3	0.4	+0.1
12th Grade	65.4	63.4	62.5	-0.9	52.7	50.3	49.6	-0.7	31.6	29.9	28.9	-1.0	0.9	0.8	0.9	+0.1
5+ drinks in last 2 weeks																
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	12.9	13.4	13.5	+0.1
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	22.9	21.1	23.0	+1.9s
12th Grade	—	—	—	—	—	—	—	—	—	—	—	—	29.8	27.9	27.5	-0.4
Cigarettes																
Any use																
8th Grade	44.0	45.2	45.3	+0.1	—	—	—	—	14.3	15.5	16.7	+1.2	7.2	7.0	8.3	+1.3s
10th Grade	55.1	53.5	56.3	+2.8s	—	—	—	—	20.8	21.5	24.7	+3.2ss	12.6	12.3	14.2	+1.9s
12th Grade	63.1	61.8	61.9	+0.1	—	—	—	—	28.3	27.8	29.9	+2.1s	18.5	17.2	19.0	+1.8ss
1/2pack+/day																
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	3.1	2.9	3.5	+0.6s
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	6.5	6.0	7.0	+1.0
12th Grade	—	—	—	—	—	—	—	—	—	—	—	—	10.7	10.0	10.9	+0.9
Smokeless Tobacco ⁱ																
8th Grade	22.2	20.7	18.7	-2.0s	—	—	—	—	6.9	7.0	6.6	-0.4	1.6	1.8	1.5	-0.3
10th Grade	28.2	26.6	28.1	+1.5	—	—	—	—	10.0	9.6	10.4	+0.8	3.3	3.0	3.3	+0.3
12th Grade	—	32.4	31.0	-1.4	—	—	—	—	—	11.4	10.7	-0.7	—	4.3	3.3	-1.0ss
Steroids ^f																
8th Grade	1.9	1.7	1.6	-0.1	1.0	1.1	0.9	-0.2	0.4	0.5	0.5	0.0	*	*	0.1	0.0
10th Grade	1.8	1.7	1.7	0.0	1.1	1.1	1.0	-0.1	0.6	0.6	0.5	-0.1	0.1	*	*	0.0
12th Grade	2.1	2.1	2.0	-0.1	1.4	1.1	1.2	+0.1	0.8	0.6	0.7	+0.1	0.1	0.1	0.1	+0.1

NOTES: Level of significance of difference between the two years: s=.05, ss=.01, sss=.001. '—' indicates data not available. '**' indicates less than .05 percent.

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

^h"Prevalence" means the percent of a population using the drug one or more times in the specified time interval (i.e. in lifetime, past 12 months, or past 30 days). "Daily" use is defined as using 20 or more times in the past 30 days. (For cigarettes and smokeless tobacco, daily use is the use once or more per day in the past 30 days.)

Approx. N: 8th Grade = 17,500 in 1991; 18,600 in 1992; 18,300 in 1993, 10th Grade = 14,800 in 1991; 14,800 in 1992; 15,300 in 1993, 12th Grade = 15,000 in 1991; 15,800 in 1992; 16,300 in 1993.

^aUse of "any illicit drugs" includes any use of marijuana, hallucinogens, cocaine, and heroin, or any use of other opiates, stimulants, barbiturates, methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.

^bUse of "other illicit drugs" includes any use of hallucinogens, cocaine, and heroin, or any use of other opiates, stimulants, barbiturates, methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.

^cData based on five questionnaire forms in 1991-1993; N is five-sixths of N indicated.

^dUnadjusted for underreporting of amyl and butyl nitrites (inhalants) or PCP (hallucinogens).

^e12th grade only: Data based on a single questionnaire form; N is one-sixth of N indicated in 1991-1993.

^f12th grade only: Data based on four questionnaire forms in 1990-1993; N is four-sixths of N indicated.

^g12th grade only: This drug was asked about in two of the six questionnaire forms. N is one-third of N indicated.

^hData based on one questionnaire form for 8th and 10th grades. Data based on three of six questionnaire forms for 12th grade. N is one-half of N indicated.

ⁱData based on one questionnaire form. For 12th graders, N is one-sixth of N indicated. For 8th and 10th graders, N is one-half of N indicated.

TABLE 2

Long-Term Trends in Lifetime Prevalence of Various Types of Drugs for Twelfth Graders

	Percent ever used																			'92-'93 change
	Class of 1975	Class of 1976	Class of 1977	Class of 1978	Class of 1979	Class of 1980	Class of 1981	Class of 1982	Class of 1983	Class of 1984	Class of 1985	Class of 1986	Class of 1987	Class of 1988	Class of 1989	Class of 1990	Class of 1991	Class of 1992	Class of 1993	
Approx. N =	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	16300	
<i>Any Illicit Drug</i> ^{a,b}	55.2	58.3	61.6	64.1	65.1	65.4	65.6	64.4	62.9	61.6	60.6	57.6	56.6	53.9	50.9	47.9	44.1	40.7	42.9	+2.2s
<i>Any Illicit Drug Other Than Marijuana</i> ^{b,c}	36.2	35.4	35.8	36.5	37.4	38.7	42.8	41.1	40.4	40.3	39.7	37.7	35.8	32.5	31.4	29.4	26.9	25.1	26.7	+1.6
Marijuana/Hashish	47.3	52.8	56.4	59.2	60.4	60.3	59.5	58.7	57.0	54.9	54.2	50.9	50.2	47.2	43.7	40.7	36.7	32.6	35.3	+2.7s
Inhalants ^d	—	10.3	11.1	12.0	12.7	11.9	12.3	12.8	13.6	14.4	15.4	15.9	17.0	16.7	17.6	18.0	17.6	16.6	17.4	+0.8
<i>Inhalants Adjusted^e</i>	—	—	—	—	18.2	17.3	17.2	17.7	18.2	18.0	18.1	20.1	18.6	17.5	18.6	18.5	18.0	17.0	17.7	+0.7
<i>Amyl & Butyl Nitrites</i> ^{f,g}	—	—	—	—	11.1	11.1	10.1	9.8	8.4	8.1	7.9	8.6	4.7	3.2	3.3	2.1	1.6	1.5	1.4	-0.1
Hallucinogens	16.3	15.1	13.9	14.3	14.1	13.3	13.3	12.5	11.9	10.7	10.3	9.7	10.3	8.9	9.4	9.4	9.6	9.2	10.9	+1.7ss
<i>Hallucinogens Adjusted^h</i>	—	—	—	—	17.7	15.6	15.3	14.3	13.6	12.3	12.1	11.9	10.6	9.2	9.9	9.7	10.0	9.4	11.3	+1.9ss
LSD	11.3	11.0	9.8	9.7	9.5	9.3	9.8	9.6	8.9	8.0	7.5	7.2	8.4	7.7	8.3	8.7	8.8	8.6	10.3	+1.7ss
PCP ^{f,g}	—	—	—	—	12.8	9.6	7.8	6.0	5.6	5.0	4.9	4.8	3.0	2.9	3.9	2.8	2.9	2.4	2.9	+0.5
Cocaine	9.0	9.7	10.8	12.9	15.4	15.7	16.5	16.0	16.2	16.1	17.3	16.9	15.2	12.1	10.3	9.4	7.8	6.1	6.1	0.0
Crack ⁱ	—	—	—	—	—	—	—	—	—	—	—	—	5.4	4.8	4.7	3.5	3.1	2.6	2.6	0.0
Other cocaine ^j	—	—	—	—	—	—	—	—	—	—	—	—	14.0	12.1	8.5	8.6	7.0	5.3	5.4	+0.1
Heroin	2.2	1.8	1.8	1.6	1.1	1.1	1.1	1.2	1.2	1.3	1.2	1.1	1.2	1.1	1.3	1.3	0.9	1.2	1.1	-0.1
Other opiates ^k	9.0	9.6	10.3	9.9	10.1	9.8	10.1	9.6	9.4	9.7	10.2	9.0	9.2	8.6	8.3	8.3	6.6	6.1	6.4	+0.3
Stimulants ^{b,k}	22.3	22.6	23.0	22.9	24.2	26.4	32.2	27.9	26.9	27.9	26.2	23.4	21.6	19.8	19.1	17.5	15.4	13.9	15.1	+1.2
Crystal meth. (Ice) ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.7	3.3	2.9	3.1	+0.2
Sedatives ^{k,m}	18.2	17.7	17.4	16.0	14.6	14.9	16.0	15.2	14.4	13.3	11.8	10.4	8.7	7.8	7.4	7.5	6.7	6.1	6.4	+0.3
Barbiturates ^k	16.9	16.2	15.6	13.7	11.8	11.0	11.3	10.3	9.9	9.9	9.2	8.4	7.4	6.7	6.5	6.8	6.2	5.5	6.3	+0.8
Methaqualone ^{k,m}	8.1	7.8	8.5	7.9	8.3	9.5	10.6	10.7	10.1	8.3	6.7	5.2	4.0	3.3	2.7	2.3	1.3	1.6	0.8	-0.8s
Tranquilizers ^k	17.0	16.8	18.0	17.0	16.3	15.2	14.7	14.0	13.3	12.4	11.9	10.9	10.9	9.4	7.6	7.2	7.2	6.0	6.4	+0.4
Alcohol ⁿ	90.4	91.9	92.5	93.1	93.0	93.2	92.6	92.8	92.6	92.6	92.2	91.3	92.2	92.0	90.7	89.5	88.0	87.5	87.0	-0.5
Been Drunk ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.4	63.4	62.5	-0.9
Cigarettes	73.6	75.4	75.7	75.3	74.0	71.0	71.0	70.1	70.6	69.7	68.8	67.6	67.2	66.4	65.7	64.4	63.1	61.8	61.9	+0.1
Smokeless Tobacco ^m	—	—	—	—	—	—	—	—	—	—	—	31.4	32.2	30.4	29.2	—	—	32.4	31.0	-1.4
Steroids ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.0	2.9	2.1	2.1	2.0	-0.1

NOTES: Level of significance of difference between the two most recent classes: s =.05, ss =.01, sss =.001. '—' indicates data not available.

SOURCE: Monitoring The Future Study, The University Of Michigan.

Footnotes for Table 2-Table 5

- ^a Use of "any illicit drugs" includes any use of marijuana, hallucinogens, cocaine, and heroin, or any use of other opiates, stimulants, barbiturates, methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.
- ^b Beginning in 1982 the question about stimulant use (i.e. amphetamines) was revised to get respondents to exclude the inappropriate reporting of non-prescription stimulants. The prevalence rate dropped slightly as a result of this methodological change.
- ^c Use of "other illicit drugs" includes any use of hallucinogens, cocaine, and heroin, or any use of other opiates, stimulants, barbiturates, methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.
- ^d Data based on four questionnaire forms in 1976-1988; N is four-fifths of N indicated. Data based on five questionnaire forms in 1989-1993; N is five-sixths of N indicated.
- ^e Adjusted for underreporting of amyl and butyl nitrites.
- ^f Data based on a single questionnaire form; N is one-fifth of N indicated in 1979-1988 and one-sixth of N indicated in 1989-1993.
- ^g Question text changed slightly in 1987.
- ^h Adjusted for underreporting of PCP.
- ⁱ Data based on a single questionnaire form in 1986; N is one-fifth of N indicated. Data based on two questionnaire forms in 1987-1989; N is two-fifths of N indicated in 1987-1988 and two-sixths of N indicated in 1989. Data based on six questionnaire forms in 1990-1993.
- ^j Data based on a single questionnaire form in 1987-1989; N is one-fifth of N indicated in 1987-1988 and one-sixth of N indicated in 1989. Data based on four questionnaire forms in 1990-1993; N is four-sixths of N indicated.
- ^k Only drug use which was not under a doctor's orders is included here.
- ^l Data based on two questionnaire forms; N is two-sixths of N indicated. Steroid data based on a single questionnaire form in 1989-1990.
- ^m Data based on five questionnaire forms in 1975-1988, six questionnaire forms in 1989, and one questionnaire form in 1990-1993. N is one-sixth of N indicated in 1990-1993. Smokeless tobacco was always included in only one questionnaire form.
- ⁿ Data based on three of the six questionnaire forms in 1993. N is one-half N indicated.

SOURCE: Monitoring The Future Study, The University Of Michigan.

TABLE 3

Long-Term Trends in Annual Prevalence of Various Types of Drugs for Twelfth Graders

	Percent who used in last twelve months																			'92-'93 change
	Class of 1975	Class of 1976	Class of 1977	Class of 1978	Class of 1979	Class of 1980	Class of 1981	Class of 1982	Class of 1983	Class of 1984	Class of 1985	Class of 1986	Class of 1987	Class of 1988	Class of 1989	Class of 1990	Class of 1991	Class of 1992	Class of 1993	
Approx. N =	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	16300	
<i>Any Illicit Drug</i> ^{a,b}	45.0	48.1	51.1	53.8	54.2	53.1	52.1	49.4	47.4	45.8	46.3	44.3	41.7	38.5	35.4	32.5	29.4	27.1	31.0	+3.9sss
<i>Any Illicit Drug Other Than Marijuana</i> ^{b,c}	26.2	25.4	26.0	27.1	28.2	30.4	34.0	30.1	28.4	28.0	27.4	25.9	24.1	21.1	20.0	17.9	16.2	14.9	17.1	+2.2ss
Marijuana/Hashish	40.0	44.5	47.6	50.2	50.8	48.8	46.1	44.3	42.3	40.0	40.6	38.8	36.3	33.1	29.6	27.0	23.9	21.9	26.0	+4.1sss
Inhalants ^d	—	3.0	3.7	4.1	5.4	4.6	4.1	4.5	4.3	5.1	5.7	6.1	6.9	6.5	5.9	6.9	6.6	6.2	7.0	+0.8
<i>Inhalants Adjusted</i> ^e	—	—	—	—	8.9	7.9	6.1	6.6	6.2	7.2	7.5	8.9	8.1	7.1	6.9	7.5	6.9	6.4	7.4	+1.0
Amyl/Butyl Nitrites ^{f,g}	—	—	—	—	6.5	5.7	3.7	3.6	3.6	4.0	4.0	4.7	2.6	1.7	1.7	1.4	0.9	0.5	0.9	+0.4
Hallucinogens	11.2	9.4	8.8	9.6	9.9	9.3	9.0	8.1	7.3	6.5	6.3	6.0	6.4	5.5	5.6	5.9	5.8	5.9	7.4	+1.5ss
<i>Hallucinogens Adjusted</i> ^h	—	—	—	—	11.8	10.4	10.1	9.0	8.3	7.3	7.6	7.6	6.7	5.8	6.2	6.0	6.1	6.2	7.8	+1.6ss
LSD	7.2	6.4	5.5	6.3	6.6	6.5	6.5	6.1	5.4	4.7	4.4	4.5	5.2	4.8	4.9	5.4	5.2	5.6	6.8	+1.2ss
PCP ^{f,g}	—	—	—	—	7.0	4.4	3.2	2.2	2.6	2.3	2.9	2.4	1.3	1.2	2.4	1.2	1.4	1.4	1.4	0.0
Cocaine	5.6	6.0	7.2	9.0	12.0	12.3	12.4	11.5	11.4	11.6	13.1	12.7	10.3	7.9	6.5	5.3	3.5	3.1	3.3	+0.2
Crack ⁱ	—	—	—	—	—	—	—	—	—	—	—	—	4.1	3.9	3.1	3.1	1.9	1.5	1.5	0.0
Other cocaine ^j	—	—	—	—	—	—	—	—	—	—	—	—	9.8	7.4	5.2	4.6	3.2	2.6	2.9	+0.3
Heroin	1.0	0.8	0.8	0.8	0.5	0.5	0.5	0.6	0.6	0.5	0.6	0.5	0.5	0.5	0.6	0.5	0.4	0.6	0.5	-0.1
Other opiates ^k	5.7	5.7	6.4	6.0	6.2	6.3	5.9	5.3	5.1	5.2	5.9	5.2	5.3	4.6	4.4	4.5	3.5	3.3	3.6	+0.3
Stimulants ^{b,k}	16.2	15.8	16.3	17.1	18.3	20.8	26.0	20.3	17.9	17.7	15.8	13.4	12.2	10.9	10.8	9.1	8.2	7.1	8.4	+1.3ss
Crystal Meth. (Ice) ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.3	1.4	1.3	1.7	+0.4
Sedatives ^{k,m}	11.7	10.7	10.8	9.9	9.9	10.3	10.5	9.1	7.9	6.6	5.8	5.2	4.1	3.7	3.7	3.6	3.6	2.9	3.4	+0.5
Barbiturates ^k	10.7	9.6	9.3	8.1	7.5	6.8	6.6	5.5	5.2	4.9	4.6	4.2	3.6	3.2	3.3	3.4	3.4	2.8	3.4	+0.6
Methaqualone ^{k,m}	5.1	4.7	5.2	4.9	5.9	7.2	7.6	6.8	5.4	3.8	2.8	2.1	1.5	1.3	1.3	0.7	0.5	0.6	0.2	-0.4
Tranquilizers ^k	10.6	10.3	10.8	9.9	9.6	8.7	8.0	7.0	6.9	6.1	6.1	5.8	5.5	4.8	3.8	3.5	3.6	2.8	3.5	+0.7s
Alcohol ⁿ	84.8	85.7	87.0	87.7	88.1	87.9	87.0	86.8	87.3	86.0	85.6	84.5	85.7	85.3	82.7	80.6	77.7	76.8	76.0	-0.8
Been Drunk ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.7	50.3	49.6	-0.7
Cigarettes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Smokeless Tobacco ^m	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Steroids ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.9	1.7	1.4	1.1	1.2	+0.1

NOTES: Level of significance of difference between the two most recent classes: s =.05, ss =.01, sss =.001. '—' indicates data not available.

See Table 2 for relevant footnotes.

SOURCE: Monitoring The Future Study, The University Of Michigan.

TABLE 4

Long-Term Trends in Thirty-Day Prevalence of Various Types of Drugs for Twelfth Graders

	Percent who used in last thirty days																			'92-'93 change
	Class of 1975	Class of 1976	Class of 1977	Class of 1978	Class of 1979	Class of 1980	Class of 1981	Class of 1982	Class of 1983	Class of 1984	Class of 1985	Class of 1986	Class of 1987	Class of 1988	Class of 1989	Class of 1990	Class of 1991	Class of 1992	Class of 1993	
Approx. N =	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	16300	
<i>Any Illicit Drug</i> ^{a,b}	30.7	34.2	37.6	38.9	38.9	37.2	36.9	32.5	30.5	29.2	29.7	27.1	24.7	21.3	19.7	17.2	16.4	14.4	18.3	+3.9 _{sss}
<i>Any Illicit Drug Other Than Marijuana</i> ^{b,c}	15.4	13.9	15.2	15.1	16.8	18.4	21.7	17.0	15.4	15.1	14.9	13.2	11.6	10.0	9.1	8.0	7.1	6.3	7.9	+1.6 _{sss}
Marijuana/Hashish	27.1	32.2	35.4	37.1	36.5	33.7	31.6	28.5	27.0	25.2	25.7	23.4	21.0	18.0	16.7	14.0	13.8	11.9	15.5	+3.6 _{sss}
Inhalants ^d	—	0.9	1.3	1.5	1.7	1.4	1.5	1.5	1.7	1.9	2.2	2.5	2.8	2.6	2.3	2.7	2.4	2.3	2.5	+0.2
<i>Inhalants Adjusted</i> ^e	—	—	—	—	3.2	2.7	2.5	2.5	2.5	2.6	3.0	3.2	3.5	3.0	2.7	2.9	2.6	2.5	2.8	+0.3
Amyl/Butyl Nitrites ^{f,g}	—	—	—	—	2.4	1.8	1.4	1.1	1.4	1.4	1.6	1.3	1.3	0.6	0.6	0.6	0.4	0.3	0.6	+0.3
Hallucinogens	4.7	3.4	4.1	3.9	4.0	3.7	3.7	3.4	2.8	2.6	2.5	2.5	2.5	2.2	2.2	2.2	2.2	2.1	2.7	+0.6 _s
<i>Hallucinogens Adjusted</i> ^h	—	—	—	—	5.3	4.4	4.5	4.1	3.5	3.2	3.8	3.5	2.8	2.3	2.9	2.3	2.4	2.3	3.3	+1.0 _{ss}
LSD	2.3	1.9	2.1	2.1	2.4	2.3	2.5	2.4	1.9	1.5	1.6	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.4	+0.4
PCP ^{f,g}	—	—	—	—	2.4	1.4	1.4	1.0	1.3	1.0	1.6	1.3	0.6	0.3	1.4	0.4	0.5	0.6	1.0	+0.4
Cocaine	1.9	2.0	2.9	3.9	5.7	5.2	5.8	5.0	4.9	5.8	6.7	6.2	4.3	3.4	2.8	1.9	1.4	1.3	1.3	0.0
Crack ⁱ	—	—	—	—	—	—	—	—	—	—	—	—	1.3	1.6	1.4	0.7	0.7	0.6	0.7	+0.1
Other cocaine ^j	—	—	—	—	—	—	—	—	—	—	—	—	4.1	3.2	1.9	1.7	1.2	1.0	1.2	+0.2
Heroin	0.4	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	-0.1
Other opiates ^k	2.1	2.0	2.8	2.1	2.4	2.4	2.1	1.8	1.8	1.8	2.3	2.0	1.8	1.6	1.6	1.5	1.1	1.2	1.3	+0.1
Stimulants ^{b,k}	8.5	7.7	8.8	8.7	9.9	12.1	15.8	10.7	8.9	8.3	6.8	5.5	5.2	4.6	4.2	3.7	3.2	2.8	3.7	+0.9 _{ss}
Crystal Meth. (Ice) ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.6	0.6	0.5	0.6	+0.1
Sedatives ^{k,m}	5.4	4.5	5.1	4.2	4.4	4.8	4.6	3.4	3.0	2.3	2.4	2.2	1.7	1.4	1.6	1.4	1.5	1.2	1.3	+0.1
Barbiturates ^k	4.7	3.9	4.3	3.2	3.2	2.9	2.6	2.0	2.1	1.7	2.0	1.8	1.4	1.2	1.4	1.3	1.4	1.1	1.3	+0.2
Methaqualone ^{k,m}	2.1	1.6	2.3	1.9	2.3	3.3	3.1	2.4	1.8	1.1	1.0	0.8	0.6	0.5	0.6	0.2	0.2	0.4	0.1	-0.3
Tranquilizers ^k	4.1	4.0	4.6	3.4	3.7	3.1	2.7	2.4	2.5	2.1	2.1	2.1	2.0	1.5	1.3	1.2	1.4	1.0	1.2	+0.2
Alcohol ⁿ	68.2	68.3	71.2	72.1	71.8	72.0	70.7	69.7	69.4	67.2	65.9	65.3	66.4	63.9	60.0	57.1	54.0	51.3	51.0	-0.3
Been Drunk ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.6	29.9	28.9	-1.0
Cigarettes	36.7	38.8	38.4	36.7	34.4	30.5	29.4	30.0	30.3	29.3	30.1	29.6	29.4	28.7	28.6	29.4	28.3	27.8	29.9	+2.1 _s
Smokeless Tobacco ^m	—	—	—	—	—	—	—	—	—	—	—	11.5	11.3	10.3	8.4	—	—	11.4	10.7	-0.7
Steroids ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.8	1.0	0.8	0.6	0.7	+0.1

NOTES: Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.

See Table 2 for relevant footnotes.

SOURCE: Monitoring The Future Study, The University Of Michigan

TABLE 5

Long-Term Trends in Thirty-Day Prevalence of Daily Use of Various Types of Drugs for Twelfth Graders

	Percent who used daily in last thirty days																			'92-'93 change	
	Class of 1975	Class of 1976	Class of 1977	Class of 1978	Class of 1979	Class of 1980	Class of 1981	Class of 1982	Class of 1983	Class of 1984	Class of 1985	Class of 1986	Class of 1987	Class of 1988	Class of 1989	Class of 1990	Class of 1991	Class of 1992	Class of 1993		
Approx. N =	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	16300		
Marijuana/Hashish	6.0	8.2	9.1	10.7	10.3	9.1	7.0	6.3	5.5	5.0	4.9	4.0	3.3	2.7	2.9	2.2	2.0	1.9	2.4	+0.5s	
Inhalants ^d	—	*	*	0.1	*	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.1	0.1	0.0
<i>Inhalants Adjusted^e</i>	—	—	—	—	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.3	0.3	0.3	0.5	0.2	0.2	0.0
Amyl & Butyl Nitrites ^{f,g}	—	—	—	—	*	0.1	0.1	0.0	0.2	0.1	0.3	0.5	0.3	0.1	0.3	0.1	0.2	0.1	0.1	0.0	
Hallucinogens	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	0.1	0.1	0.1	0.1	0.1	0.0	
<i>Hallucinogens Adjusted^h</i>	—	—	—	—	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	*	0.3	0.3	0.1	0.1	0.1	-0.1
LSD	*	*	*	*	*	*	0.1	*	0.1	0.1	0.1	*	0.1	*	*	0.1	0.1	0.1	0.1	0.1	0.0
PCP ^{f,g}	—	—	—	—	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.1	+0.1
Cocaine	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.0
Crack ⁱ	—	—	—	—	—	—	—	—	—	—	—	—	—	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0
Other cocaine ^j	—	—	—	—	—	—	—	—	—	—	—	—	0.2	0.2	0.1	0.1	0.1	*	0.1	0.0	
Heroin	0.1	*	*	*	*	*	*	*	0.1	*	*	*	*	*	0.1	*	*	*	*	*	0.0
Other opiates ^k	0.1	0.1	0.2	0.1	*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	*	*	*	0.0
Stimulants ^{b,k}	0.5	0.4	0.5	0.5	0.6	0.7	1.2	0.7	0.8	0.6	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.0	
Crystal Meth. (Ice) ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.1	0.1	0.1	0.1	-0.1	
Sedatives ^{k,m}	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	
Barbiturates ^k	0.1	0.1	0.2	0.1	*	0.1	0.1	0.1	0.1	*	0.1	0.1	0.1	*	0.1	0.1	0.1	*	0.1	0.0	
Methaqualone ^{k,m}	*	*	*	*	*	0.1	0.1	0.1	*	*	*	*	*	0.1	*	*	*	0.1	*	0.1	-0.1
Tranquilizers ^k	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	*	0.1	*	0.1	0.1	0.1	*	*	0.0	
Alcohol																					
Daily ⁿ	5.7	5.6	6.1	5.7	6.9	6.0	6.0	5.7	5.5	4.8	5.0	4.8	4.8	4.2	4.2	3.7	3.6	3.4	2.5	-0.9s	
Been drunk daily ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.9	0.8	0.9	+0.1	
5+ drinks in a row/ last 2 weeks	36.8	37.1	39.4	40.3	41.2	41.2	41.4	40.5	40.8	38.7	36.7	36.8	37.5	34.7	33.0	32.2	29.8	27.9	27.5	-0.4	
Cigarettes																					
Daily	26.9	28.8	28.8	27.5	25.4	21.3	20.3	21.1	21.2	18.7	19.5	18.7	18.7	18.1	18.9	19.1	18.5	17.2	19.0	+1.8ss	
Half-pack or more per day	17.9	19.2	19.4	18.8	16.5	14.3	13.5	14.2	13.8	12.3	12.5	11.4	11.4	10.6	11.2	11.3	10.7	10.0	10.9	+0.9	
Smokeless Tobacco ^m	—	—	—	—	—	—	—	—	—	—	—	4.7	5.1	4.3	3.3	—	—	4.3	3.3	-1.0ss	
Steroids ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.1	0.2	0.1	0.1	0.1	+0.1	

NOTES: Level of significance of difference between the two most recent classes: s =.05, ss =.01, sss =.001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent classes is due to rounding error. '*' indicates less than .05 per cent.

See Table 2 for relevant footnotes.

SOURCE: Monitoring The Future Study, The University Of Michigan.

TABLE 6

**Trends in Harmfulness of Drugs as Perceived
by Eighth, Tenth, and Twelfth Graders, 1991-1993**

Q. <i>How much do you think people risk harming themselves (physically or in other ways), if they . . .</i>	Percentage saying "great risk" ^a											
	8th Grade				10th Grade				12th Grade			
	1991	1992	1993	'92-93 change	1991	1992	1993	'92-93 change	1991	1992	1993	'92-93 change
Try marijuana once or twice	40.4	39.1	36.2	-2.9sss	30.0	31.9	29.7	-2.2s	27.1	24.5	21.9	-2.6
Smoke marijuana occasionally	57.9	56.3	53.8	-2.5ss	48.6	48.9	46.1	-2.8ss	40.6	39.6	35.6	-4.0s
Smoke marijuana regularly	83.8	82.0	79.6	-2.4ss	82.1	81.1	78.5	-2.6ss	78.6	76.5	72.5	-4.0ss
Try inhalants once or twice	35.9	37.0	36.5	-0.5	37.8	38.7	40.9	+2.2ss	—	—	—	—
Take inhalants regularly	65.6	64.4	64.6	+0.2	69.8	67.9	69.6	+1.7s	—	—	—	—
Try crack once or twice	62.8	61.2	57.2	-4.0sss	70.4	69.6	66.6	-3.0sss	60.6	62.4	57.6	-4.8ss
Take crack occasionally	82.2	79.6	76.8	-2.8ss	87.4	86.4	84.4	-2.0ss	76.5	76.3	73.9	-2.4
Try cocaine powder once or twice	55.5	54.1	50.7	-3.4sss	59.1	59.2	57.5	-1.7s	53.6	57.1	53.2	-3.9s
Take cocaine powder occasionally	77.0	74.3	71.8	-2.5s	82.2	80.1	79.1	-1.0	69.8	70.8	68.6	-2.2
Try one or two drinks of an alcoholic beverage (beer, wine, liquor)	11.0	12.1	12.4	+0.3	9.0	10.1	10.9	+0.8	9.1	8.6	8.2	-0.4
Take one or two drinks nearly every day	31.8	32.4	32.6	+0.2	36.1	36.8	35.9	-0.9	32.7	30.6	28.2	-2.4
Have five or more drinks once or twice each weekend	59.1	58.0	57.7	-0.3	54.7	55.9	54.9	-1.0	48.6	49.0	48.3	-0.7
Smoke one or more packs of cigarettes per day	51.6	50.8	52.7	+1.9	60.3	59.3	60.7	+1.4	69.4	69.2	69.5	+0.3
Use smokeless tobacco regularly	35.1	35.1	36.9	+1.8	40.3	39.6	44.2	+4.6sss	37.4	35.5	38.9	+3.4s
Take steroids ^b	64.2	69.5	70.2	+0.7	67.1	72.7	73.4	+0.7	65.6	70.7	69.1	-1.6
Approx. N =	17437	18662	18366		14719	14808	15298		2549	2684	2759	

NOTE: Level of significance of difference between the two most recent classes: s =.05, ss =.01, sss =.001.
'—' indicates data not available.

SOURCE: Monitoring The Future Study, The University Of Michigan.

^aAnswer alternatives were: (1) No risk, (2) Slight risk, (3) Moderate risk, (4) Great risk, (5) Can't say, drug unfamiliar.

^b8th and 10th grade: Data based on a single questionnaire form in 1993; N is one-half N indicated.

TABLE 7

Long-Term Trends in Harmfulness of Drugs as Perceived by Twelfth Graders

Q. <i>How much do you think people risk harming themselves (physically or in other ways), if they . . .</i>	Percentage saying "great risk" ^a																			'92-'93 change	
	Class of 1975	Class of 1976	Class of 1977	Class of 1978	Class of 1979	Class of 1980	Class of 1981	Class of 1982	Class of 1983	Class of 1984	Class of 1985	Class of 1986	Class of 1987	Class of 1988	Class of 1989	Class of 1990	Class of 1991	Class of 1992	Class of 1993		
Try marijuana once or twice	15.1	11.4	9.5	8.1	9.4	10.0	13.0	11.5	12.7	14.7	14.8	15.1	18.4	19.0	23.6	23.1	27.1	24.5	21.9	-2.6	
Smoke marijuana occasionally	18.1	15.0	13.4	12.4	13.5	14.7	19.1	18.3	20.6	22.6	24.5	25.0	30.4	31.7	36.5	36.9	40.6	39.6	35.6	-4.0s	
Smoke marijuana regularly	43.3	38.6	36.4	34.9	42.0	50.4	57.6	60.4	62.8	66.9	70.4	71.3	73.5	77.0	77.5	77.8	78.6	76.5	72.5	-4.0ss	
Try LSD once or twice	49.4	45.7	43.2	42.7	41.6	43.9	45.5	44.9	44.7	45.4	43.5	42.0	44.9	45.7	46.0	44.7	46.6	42.3	39.5	-2.8	
Take LSD regularly	81.4	80.8	79.1	81.1	82.4	83.0	83.5	83.5	83.2	83.8	82.9	82.6	83.8	84.2	84.3	84.5	84.3	81.8	79.4	-2.4	
Try PCP once or twice	—	—	—	—	—	—	—	—	—	—	—	—	—	55.6	58.8	56.6	55.2	51.7	54.8	50.8	-4.0s
Try cocaine once or twice	42.6	39.1	35.6	33.2	31.5	31.3	32.1	32.8	33.0	35.7	34.0	33.5	47.9	51.2	54.9	59.4	59.4	56.8	57.6	+0.8	
Take cocaine occasionally	—	—	—	—	—	—	—	—	—	—	—	—	54.2	66.8	69.2	71.8	73.9	75.5	73.3	-1.8	
Take cocaine regularly	73.1	72.3	68.2	68.2	69.5	69.2	71.2	73.0	74.3	78.8	79.0	82.2	88.5	89.2	90.2	91.1	90.4	90.2	90.1	-0.1	
Try crack once or twice	—	—	—	—	—	—	—	—	—	—	—	—	57.0	62.1	62.9	64.3	60.6	62.4	57.6	-4.8ss	
Take crack occasionally	—	—	—	—	—	—	—	—	—	—	—	—	70.4	73.2	75.3	80.4	76.5	76.3	73.9	-2.4	
Take crack regularly	—	—	—	—	—	—	—	—	—	—	—	—	84.6	84.8	85.6	91.6	90.1	89.3	87.5	-1.8	
Try cocaine powder once or twice	—	—	—	—	—	—	—	—	—	—	—	—	45.3	51.7	53.8	53.9	53.6	57.1	53.2	-3.9s	
Take cocaine powder occasionally	—	—	—	—	—	—	—	—	—	—	—	—	56.8	61.9	65.8	71.1	69.8	70.8	68.6	-2.2	
Take cocaine powder regularly	—	—	—	—	—	—	—	—	—	—	—	—	81.4	82.9	83.9	90.2	88.9	88.4	87.0	-1.4	
Try heroin once or twice	60.1	58.9	55.8	52.9	50.4	52.1	52.9	51.1	50.8	49.8	47.3	45.8	53.6	54.0	53.8	55.4	55.2	50.9	50.7	-0.2	
Take heroin occasionally	75.6	75.6	71.9	71.4	70.9	70.9	72.2	69.8	71.8	70.7	69.8	68.2	74.6	73.8	75.5	76.6	74.9	74.2	72.0	-2.2	
Take heroin regularly	87.2	88.6	86.1	86.6	87.5	86.2	87.5	86.0	86.1	87.2	86.0	87.1	88.7	88.8	89.5	90.2	89.6	89.2	88.3	-0.9	
Try amphetamines once or twice	35.4	33.4	30.8	29.9	29.7	29.7	26.4	25.3	24.7	25.4	25.2	25.1	29.1	29.6	32.8	32.2	36.3	32.6	31.3	-1.3	
Take amphetamines regularly	69.0	67.3	66.6	67.1	69.9	69.1	66.1	64.7	64.8	67.1	67.2	67.3	69.4	69.8	71.2	71.2	74.1	72.4	69.9	-2.5	
Try crystal meth. (ice) once or twice	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61.6	61.9	57.5	-4.4s	
Try barbiturates once or twice	34.8	32.5	31.2	31.3	30.7	30.9	28.4	27.5	27.0	27.4	26.1	25.4	30.9	29.7	32.2	32.4	35.1	32.2	29.2	-3.0	
Take barbiturates regularly	69.1	67.7	68.6	68.4	71.6	72.2	69.9	67.6	67.7	68.5	68.3	67.2	69.4	69.6	70.5	70.2	70.5	70.2	66.1	-4.1ss	
Try one or two drinks of an alcoholic beverage (beer, wine, liquor)	5.3	4.8	4.1	3.4	4.1	3.8	4.6	3.5	4.2	4.6	5.0	4.6	6.2	6.0	6.0	8.3	9.1	8.6	8.2	-0.4	
Take one or two drinks nearly every day	21.5	21.2	18.5	19.6	22.6	20.3	21.6	21.6	21.6	23.0	24.4	25.1	26.2	27.3	28.5	31.3	32.7	30.6	28.2	-2.4	
Take four or five drinks nearly every day	63.5	61.0	62.9	63.1	66.2	65.7	64.5	65.5	66.8	68.4	69.8	66.5	69.7	68.5	69.8	70.9	69.5	70.5	67.8	-2.7	
Have five or more drinks once or twice each weekend	37.8	37.0	34.7	34.5	34.9	35.9	36.3	36.0	38.6	41.7	43.0	39.1	41.9	42.6	44.0	47.1	48.6	49.0	48.3	-0.7	
Smoke one or more packs of cigarettes per day	51.3	56.4	58.4	59.0	63.0	63.7	63.3	60.5	61.2	63.8	66.5	66.0	68.6	68.0	67.2	68.2	69.4	69.2	69.5	+0.3	
Use smokeless tobacco regularly	—	—	—	—	—	—	—	—	—	—	—	25.8	30.0	33.2	32.9	34.2	37.4	35.5	38.9	+3.4s	
Take steroids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	63.8	69.9	65.6	70.7	69.1	-1.6	
Approx. N =	2804	2918	3052	3770	3250	3234	3604	3557	3305	3262	3250	3020	3315	3276	2796	2553	2549	2684	2759		

NOTE: Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.

SOURCE: Monitoring The Future Study, The University Of Michigan.

^aAnswer alternatives were: (1) No risk, (2) Slight risk, (3) Moderate risk, (4) Great risk, and (5) Can't say, drug unfamiliar.

TABLE 8

**Trends in Disapproval of Drug Use
by Eighth, Tenth, and Twelfth Graders, 1991-1993**

Percent who disapprove or strongly disapprove^a

Q. Do you disapprove of people who . . .	8th Grade				10th Grade				12th Grade ^b			
	1991	1992	1993	'92-'93 change	1991	1992	1993	'92-'93 change	1991	1992	1993	'92-'93 change
Try marijuana once or twice	84.6	82.1	79.2	-2.9sss	74.6	74.8	70.3	-4.5sss	68.7	69.9	63.3	-6.6sss
Smoke marijuana occasionally	89.5	88.1	85.7	-2.4sss	83.7	83.6	79.4	-4.2sss	79.4	79.7	75.5	-4.2ss
Smoke marijuana regularly	92.1	90.8	88.9	-1.9ss	90.4	90.0	87.4	-2.6sss	89.3	90.1	87.6	-2.5s
Try inhalants once or twice	84.9	84.0	82.5	-1.5s	85.2	85.6	84.8	-0.8	—	—	—	—
Take inhalants regularly	90.6	90.0	88.9	-1.1s	91.0	91.5	90.9	-0.6	—	—	—	—
Try LSD once or twice ^c	—	—	90.2	—	—	—	88.6	—	90.1	88.1	85.9	-2.2
Take LSD regularly ^c	—	—	93.6	—	—	—	93.8	—	96.4	95.5	95.8	+0.3
Try crack once or twice	91.7	90.7	89.1	-1.6ss	92.5	92.5	91.4	-1.1	92.1	93.1	89.9	-3.2ss
Take crack occasionally	93.3	92.5	91.7	-0.8	94.3	94.4	93.6	-0.8	94.2	95.0	92.8	-2.2s
Try cocaine powder once or twice	91.2	89.6	88.5	-1.1s	90.8	91.1	90.0	-1.1	88.0	89.4	86.6	-2.8s
Take cocaine powder occasionally	93.1	92.4	91.6	-0.8	94.0	94.0	93.2	-0.8	93.0	93.4	91.2	-2.2s
Try one or two drinks of an alcoholic beverage (beer, wine, liquor)	51.7	52.2	50.9	-1.3	37.6	39.9	38.5	-1.4	29.8	33.0	30.1	-2.9
Take one or two drinks nearly every day	82.2	81.0	79.6	-1.4	81.7	81.7	78.6	-3.1ss	76.5	75.9	77.8	+1.9
Have five or more drinks once or twice each weekend	85.2	83.9	83.3	-0.6	76.7	77.6	74.7	-2.9ss	67.4	70.7	70.1	-0.6
Smoke one or more packs of cigarettes per day	82.8	82.3	80.6	-1.7s	79.4	77.8	76.5	-1.3	71.4	73.5	70.6	-2.9
Use smokeless tobacco regularly	79.1	77.2	77.1	-0.1	75.4	74.6	73.8	-0.8	—	—	—	—
Take steroids ^c	89.8	90.3	89.9	-0.4	90.0	91.0	91.2	+0.2	90.5	92.1	92.1	0.0
Approx. N =	17390	18503	18435		14750	14774	15334		2547	2645	2268	

NOTE: Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.
'—' indicates data not available.

SOURCE: Monitoring The Future Study, The University Of Michigan.

^aAnswer alternatives were: (1) Don't disapprove, (2) Disapprove, (3) Strongly disapprove. For 8th and 10th grades, there was another category—"Can't say, drug unfamiliar"—which was included in the calculation of these percentages.

^bThe twelfth grade questions ask about people who are 18 or older.

^c8th and 10th grade: Data based on a single questionnaire form in 1993; N is one-half of N indicated.

TABLE 9

Long-Term Trends in Disapproval of Drug Use by Twelfth Graders

Q. Do you disapprove of people (who are 18 or older) doing each of the following? ^b	Percentage "disapproving" ^a																			'92-'93 change
	Class of 1975	Class of 1976	Class of 1977	Class of 1978	Class of 1979	Class of 1980	Class of 1981	Class of 1982	Class of 1983	Class of 1984	Class of 1985	Class of 1986	Class of 1987	Class of 1988	Class of 1989	Class of 1990	Class of 1991	Class of 1992	Class of 1993	
Try marijuana once or twice	47.0	38.4	33.4	33.4	34.2	39.0	40.0	45.5	46.3	49.3	51.4	54.6	56.6	60.8	64.6	67.8	68.7	69.9	63.3	-6.6 _{sss}
Smoke marijuana occasionally	54.8	47.8	44.3	43.5	45.3	49.7	52.6	59.1	60.7	63.5	65.8	69.0	71.6	74.0	77.2	80.5	79.4	79.7	75.5	-4.2 _{ss}
Smoke marijuana regularly	71.9	69.5	65.5	67.5	69.2	74.6	77.4	80.6	82.5	84.7	85.5	86.6	89.2	89.3	89.8	91.0	89.3	90.1	87.6	-2.5 _s
Try LSD once or twice	82.8	84.6	83.9	85.4	86.6	87.3	86.4	88.8	89.1	88.9	89.5	89.2	91.6	89.8	89.7	89.8	90.1	88.1	85.9	-2.2
Take LSD regularly	94.1	95.3	95.8	96.4	96.9	96.7	96.8	96.7	97.0	96.8	97.0	96.6	97.8	96.4	96.4	96.3	96.4	95.5	95.8	+0.3
Try cocaine once or twice	81.3	82.4	79.1	77.0	74.7	76.3	74.6	76.6	77.0	79.7	79.3	80.2	87.3	89.1	90.5	91.5	93.6	93.0	92.7	-0.3
Take cocaine regularly	93.3	93.9	92.1	91.9	90.8	91.1	90.7	91.5	93.2	94.5	93.8	94.3	96.7	96.2	96.4	96.7	97.3	96.9	97.5	+0.6
Try crack once or twice	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	92.3	92.1	93.1	89.9	-3.2 _{sss}
Take crack occasionally	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	94.3	94.2	95.0	92.8	-2.2 _s
Take crack regularly	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	94.9	95.0	95.5	93.4	-2.1 _s
Try coke powder once or twice	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	87.9	88.0	89.4	86.6	-2.8 _s
Take coke powder occasionally	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	92.1	93.0	93.4	91.2	-2.2 _s
Take coke powder regularly	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93.7	94.4	94.3	93.0	-1.3
Try heroin once or twice	91.5	92.6	92.5	92.0	93.4	93.5	93.5	94.6	94.3	94.0	94.0	93.3	96.2	95.0	95.4	95.1	96.0	94.9	94.4	-0.5
Take heroin occasionally	94.8	96.0	96.0	96.4	96.8	96.7	97.2	96.9	96.9	97.1	96.8	96.6	97.9	96.9	97.2	96.7	97.3	96.8	97.0	+0.2
Take heroin regularly	96.7	97.5	97.2	97.8	97.9	97.6	97.8	97.5	97.7	98.0	97.6	97.6	98.1	97.2	97.4	97.5	97.8	97.2	97.5	+0.3
Try amphetamines once or twice	74.8	75.1	74.2	74.8	75.1	75.4	71.1	72.6	72.3	72.8	74.9	76.5	80.7	82.5	83.3	85.3	86.5	86.9	84.2	-2.7 _s
Take amphetamines regularly	92.1	92.8	92.5	93.5	94.4	93.0	91.7	92.0	92.6	93.6	93.3	93.5	95.4	94.2	94.2	95.5	96.0	95.6	96.0	+0.4
Try barbiturates once or twice	77.7	81.3	81.1	82.4	84.0	83.9	82.4	84.4	83.1	84.1	84.9	86.8	89.6	89.4	89.3	90.5	90.6	90.3	89.7	-0.6
Take barbiturates regularly	93.3	93.6	93.0	94.3	95.2	95.4	94.2	94.4	95.1	95.1	95.5	94.9	96.4	95.3	95.3	96.4	97.1	96.5	97.0	+0.5
Try one or two drinks of an alcoholic beverage beer, wine, liquor	21.6	18.2	15.6	15.6	15.8	16.0	17.2	18.2	18.4	17.4	20.3	20.9	21.4	22.6	27.3	29.4	29.8	33.0	30.1	-2.9
Take one or two drinks nearly every day	67.6	68.9	66.8	67.7	68.3	69.0	69.1	69.9	68.9	72.9	70.9	72.8	74.2	75.0	76.5	77.9	76.5	75.9	77.8	+1.9
Take four or five drinks nearly every day	88.7	90.7	88.4	90.2	91.7	90.8	91.8	90.9	90.0	91.0	92.0	91.4	92.2	92.8	91.6	91.9	90.6	90.8	90.6	-0.2
Have five or more drinks once or twice each weekend	60.3	58.6	57.4	56.2	56.7	55.6	55.5	58.8	56.6	59.6	60.4	62.4	62.0	65.3	66.5	68.9	67.4	70.7	70.1	-0.6
Smoke one or more packs of cigarettes per day	67.5	65.9	66.4	67.0	70.3	70.8	69.9	69.4	70.8	73.0	72.3	75.4	74.3	73.1	72.4	72.8	71.4	73.5	70.6	-2.9
Take steroids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	90.8	90.5	92.1	92.1	0.0
Approx. N =	2677	2957	3085	3686	3221	3261	3610	3651	3341	3254	3265	3113	3302	3311	2799	2566	2547	2645	2268	

NOTE: Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.

SOURCE: Monitoring The Future Study, The University Of Michigan.

^aAnswer alternatives were: (1) Don't disapprove, (2) Disapprove, and (3) Strongly disapprove. Percentages are shown for categories (2) and (3) combined.

^bThe 1975 question asked about people who are "20 or older."

TABLE 10

**Trends in Perceived Availability of Drugs
Eighth, Tenth, and Twelfth Graders, 1991-1993**

Percentage saying "fairly easy" or "very easy" to get^a

Q. *How difficult do you think it would be for you to get each of the following types of drugs, if you wanted some?*

	<u>8th Grade</u>			<u>10th Grade</u>			<u>12th Grade</u>		
	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>	<u>1992</u>	<u>1993</u>	<u>'92-'93 change</u>
Marijuana	42.3	43.8	+1.5	65.2	68.4	+3.2ss	82.7	83.0	+0.3
Crack	25.6	25.9	+0.3	33.7	33.0	-0.7	43.5	43.6	+0.1
Cocaine Powder	25.7	25.9	+0.2	35.0	34.1	-0.9	48.0	45.4	-2.6
LSD	21.5	21.8	+0.3	33.6	35.8	+2.2	44.5	49.2	+4.7ss
PCP ^b	18.0	18.5	+0.5	23.7	23.4	-0.3	31.7	31.7	0.0
Heroin	19.7	19.8	+0.1	24.3	24.3	0.0	34.9	33.7	-1.2
Other Opiates ^b	19.8	19.0	-0.8	26.9	24.9	-2.0	37.1	37.5	+0.4
Amphetamines	32.2	31.4	-0.8	43.4	46.4	+3.0s	58.8	61.5	+2.7
Crystal Meth. (Ice) ^b	16.0	15.1	-0.9	18.8	16.4	-2.4s	26.0	26.6	+0.6
Barbiturates	27.4	26.1	-1.3	38.0	38.8	+0.8	44.0	44.5	+0.5
Tranquilizers	22.9	21.4	-1.5	31.6	30.5	-1.1	40.9	41.1	+0.2
Cigarettes	77.8	75.5	-2.3ss	89.1	89.4	+0.3	—	—	—
Alcohol	76.2	73.9	-2.3ss	88.6	88.9	+0.3	—	—	—
Steroids	24.0	22.7	-1.3	37.6	33.6	-4.0ss	46.8	44.8	-2.0
Approx. N =	8355	16775		7014	14652		2586	2670	

NOTES: Level of significance of difference between the two years: s =.05, ss =.01, sss =.001.
'—' indicates data not available.

SOURCE: Monitoring The Future Study, The University Of Michigan.

^aAnswer alternatives were: (1) Probably impossible, (2) Very difficult, (3) Fairly difficult, (4) Fairly easy, (5) Very easy. For 8th and 10th grades, there was another category—"Can't say, drug unfamiliar"—which was included in the calculation of these percentages.

^b8th and 10th grade only: 1993 data from one questionnaire form only. N is one-half of N indicated.

TABLE 11

Long-Term Trends in Perceived Availability of Drugs, Twelfth Graders

Q. <i>How difficult do you think it would be for you to get each of the following types of drugs, if you wanted some?</i>	Percentage saying "fairly easy" or "very easy" to get ^a																			'92-'93 change
	Class of 1975	Class of 1976	Class of 1977	Class of 1978	Class of 1979	Class of 1980	Class of 1981	Class of 1982	Class of 1983	Class of 1984	Class of 1985	Class of 1986	Class of 1987	Class of 1988	Class of 1989	Class of 1990	Class of 1991	Class of 1992	Class of 1993	
Marijuana	87.8	87.4	87.9	87.8	90.1	89.0	89.2	88.5	86.2	84.6	85.5	85.2	84.8	85.0	84.3	84.4	83.3	82.7	83.0	+0.3
Amyl & Butyl Nitrites	—	—	—	—	—	—	—	—	—	—	—	—	23.9	25.9	26.8	24.4	22.7	25.9	25.9	0.0
LSD	46.2	37.4	34.5	32.2	34.2	35.3	35.0	34.2	30.9	30.6	30.5	28.5	31.4	33.3	38.3	40.7	39.5	44.5	49.2	+4.7 _{ss}
PCP	—	—	—	—	—	—	—	—	—	—	—	—	22.8	24.9	28.9	27.7	27.6	31.7	31.7	0.0
MDMA (ecstasy)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	22.0	22.1	24.2	28.1	+3.9 _{ss}
Some other psychedelic	47.8	35.7	33.8	33.8	34.6	35.0	32.7	30.6	26.6	26.6	26.1	24.9	25.0	26.2	28.2	28.3	28.0	29.9	33.5	+3.6 _s
Cocaine	37.0	34.0	33.0	37.8	45.5	47.9	47.5	47.4	43.1	45.0	48.9	51.5	54.2	55.0	58.7	54.5	51.0	52.7	48.5	-4.2 _s
Crack	—	—	—	—	—	—	—	—	—	—	—	—	41.1	42.1	47.0	42.4	39.9	43.5	43.6	+0.1
Cocaine powder	—	—	—	—	—	—	—	—	—	—	—	—	52.9	50.3	53.7	49.0	46.0	48.0	45.4	-2.6
Heroin	24.2	18.4	17.9	16.4	18.9	21.2	19.2	20.8	19.3	19.9	21.0	22.0	23.7	28.0	31.4	31.9	30.6	34.9	33.7	-1.2
Some other narcotic (including methadone)	34.5	26.9	27.8	26.1	28.7	29.4	29.6	30.4	30.0	32.1	33.1	32.2	33.0	35.8	38.3	38.1	34.6	37.1	37.5	+0.4
Amphetamines	67.8	61.8	58.1	58.5	59.9	61.3	69.5	70.8	68.5	68.2	66.4	64.3	64.5	63.9	64.3	59.7	57.3	58.8	61.5	+2.7
Crystal meth. (ice)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.1	24.3	26.0	26.6	+0.6
Barbiturates	60.0	54.4	52.4	50.6	49.8	49.1	54.9	55.2	52.5	51.9	51.3	48.3	48.2	47.8	48.4	45.9	42.4	44.0	44.5	+0.5
Tranquilizers	71.8	65.5	64.9	64.3	61.4	59.1	60.8	58.9	55.3	54.5	54.7	51.2	48.6	49.1	45.3	44.7	40.8	40.9	41.1	+0.2
Steroids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46.7	46.8	44.8	-2.0
Approx. N =	2627	2865	3065	3598	3172	3240	3578	3602	3385	3269	3274	3077	3271	3231	2806	2549	2476	2586	2670	

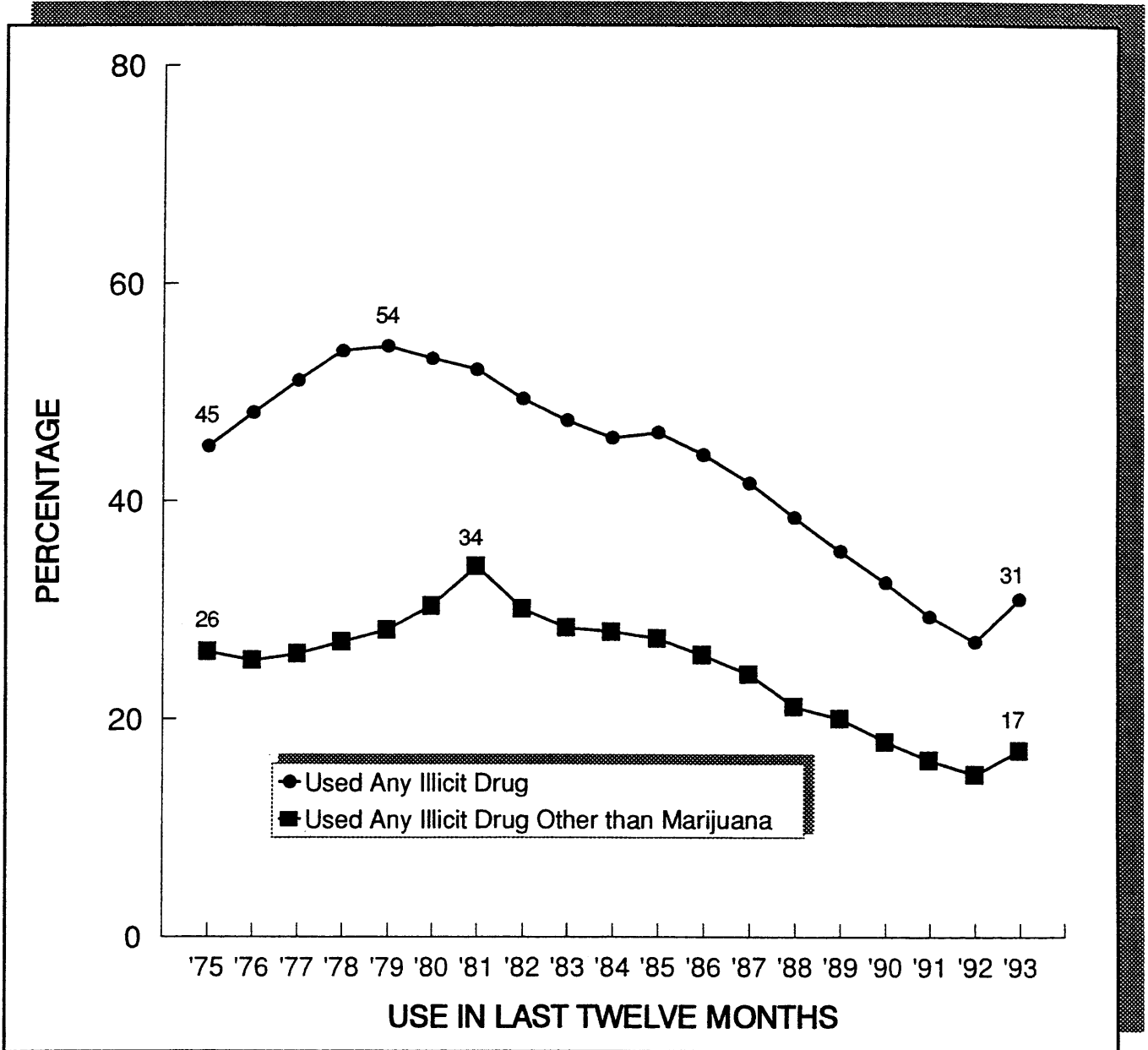
NOTE: Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.

SOURCE: Monitoring The Future Study, The University Of Michigan.

^aAnswer alternatives were: (1) Probably impossible, (2) Very difficult, (3) Fairly difficult, (4) Fairly easy, and (5) Very easy.

FIGURE 1

Trends in Annual Prevalence of an Illicit Drug Use Index for Twelfth Graders



NOTES: Use of "any illicit drugs" includes any use of marijuana, hallucinogens, cocaine, and heroin, or any use which is not under a doctor's orders of other opiates, stimulants, barbiturates, methaqualone (excluded since 1990), or tranquilizers.

Beginning in 1982 the question about stimulant use (i.e., amphetamines) was revised to get respondents to exclude the inappropriate reporting of non-prescription stimulants. The prevalence rate dropped slightly as a result of this methodological change.

FIGURE 2

Marijuana: Trends in Perceived Availability,
Perceived Risk of Regular Use,
and Prevalence of Use in Past Thirty Days for Twelfth Graders

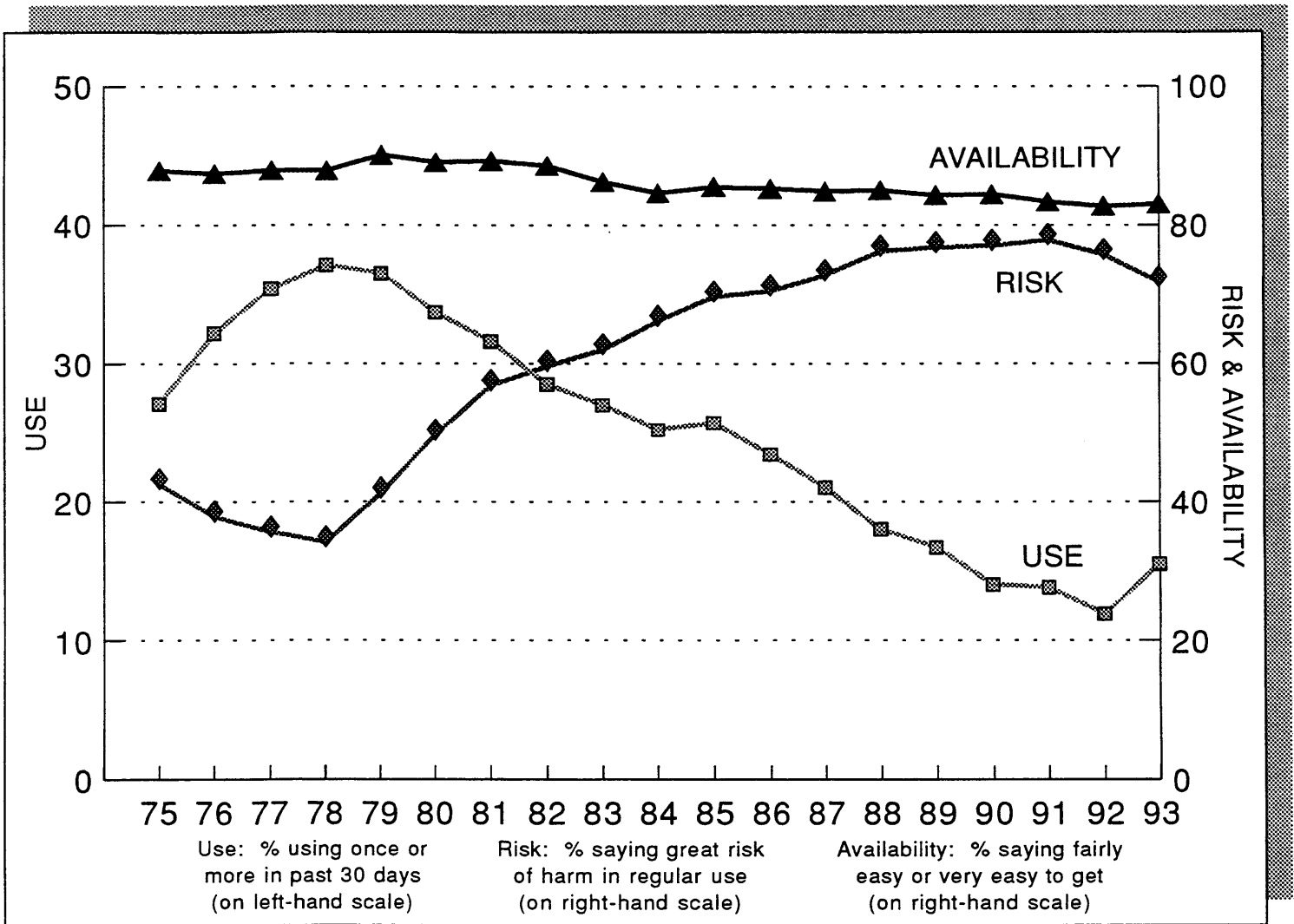


FIGURE 3

Trends in Perceived Harmfulness and Disapproval of Marijuana Use for Twelfth Graders

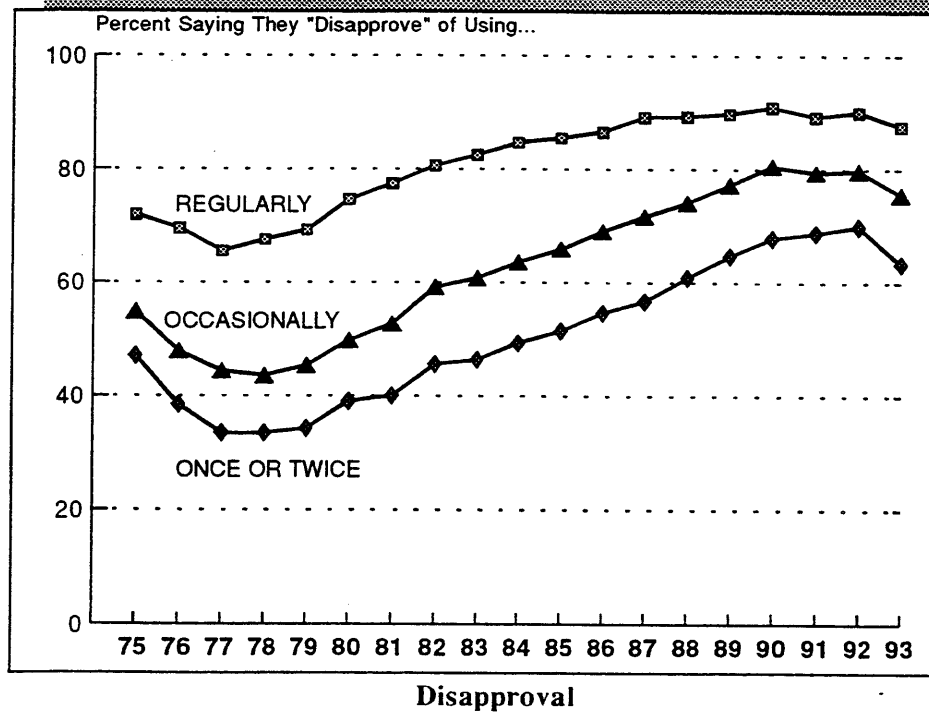
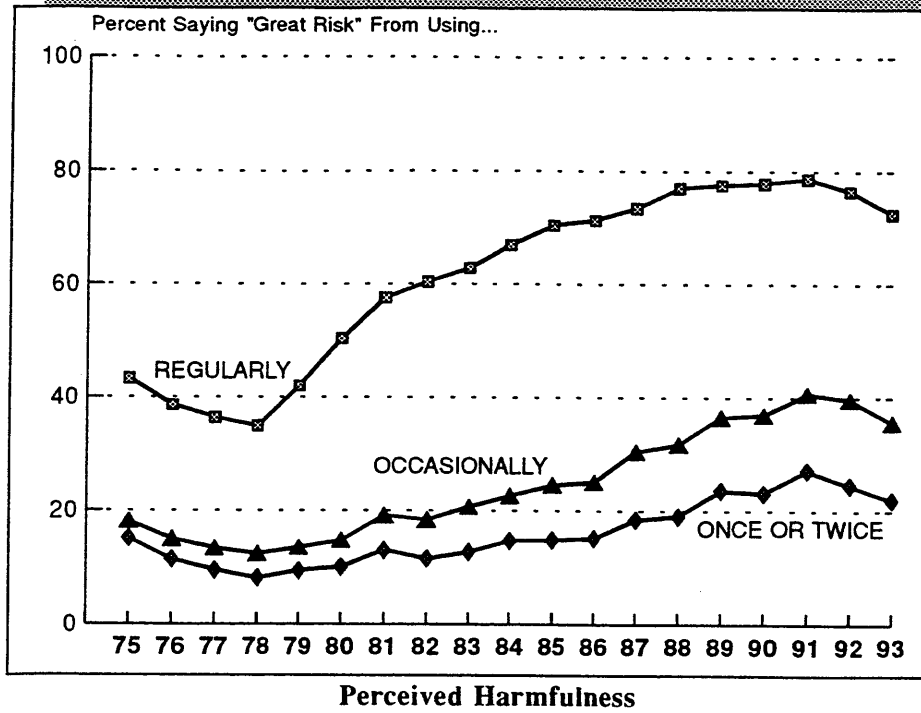


FIGURE 4

Cocaine: Trends in Perceived Availability,
Perceived Risk of Trying,
and Prevalence of Use in Past Year for Twelfth Graders

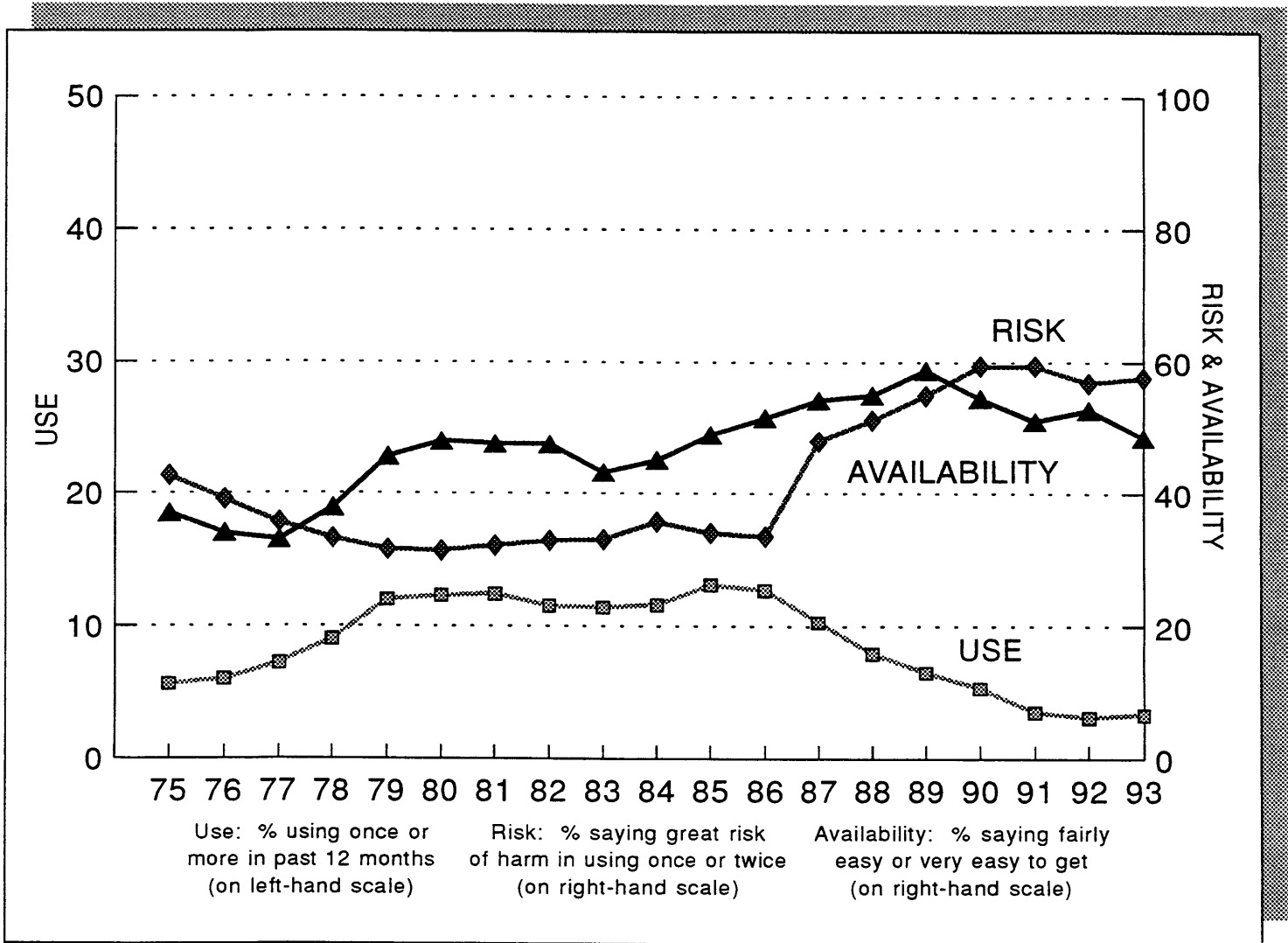


FIGURE 5

Trends in Perceived Harmfulness and Disapproval of Cocaine Powder for Eighth, Tenth, and Twelfth Graders

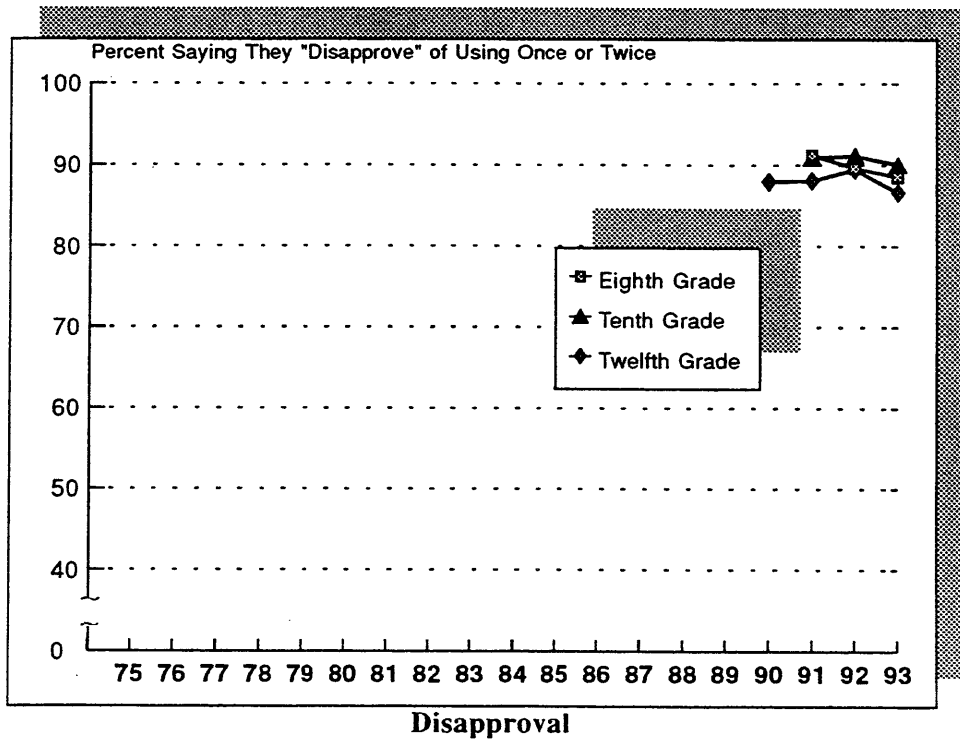
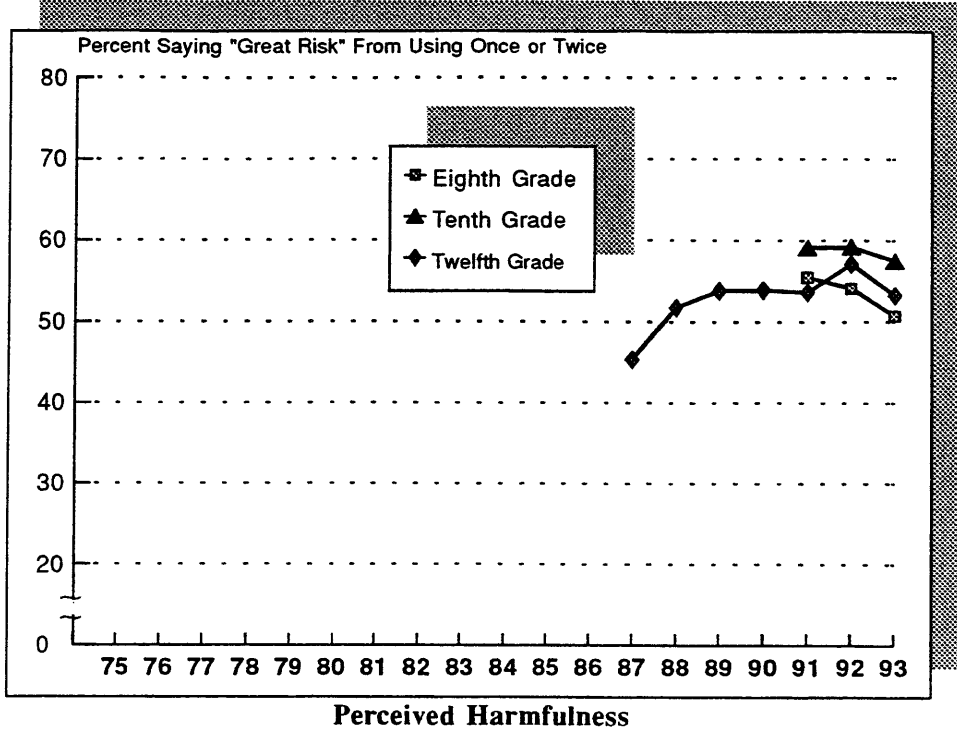
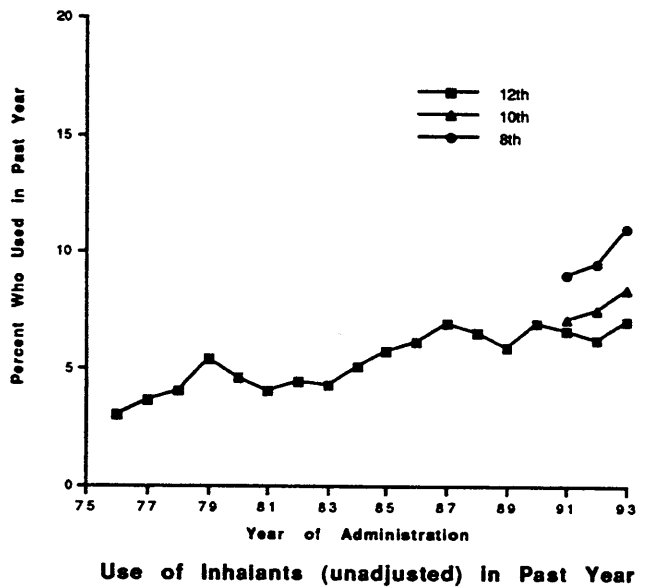
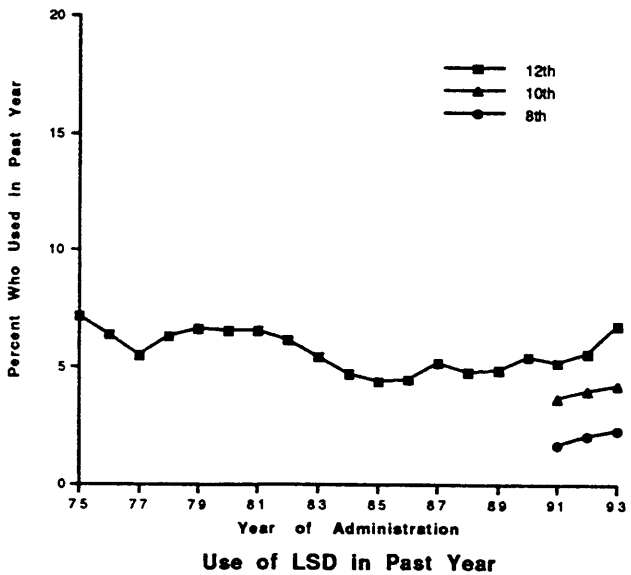
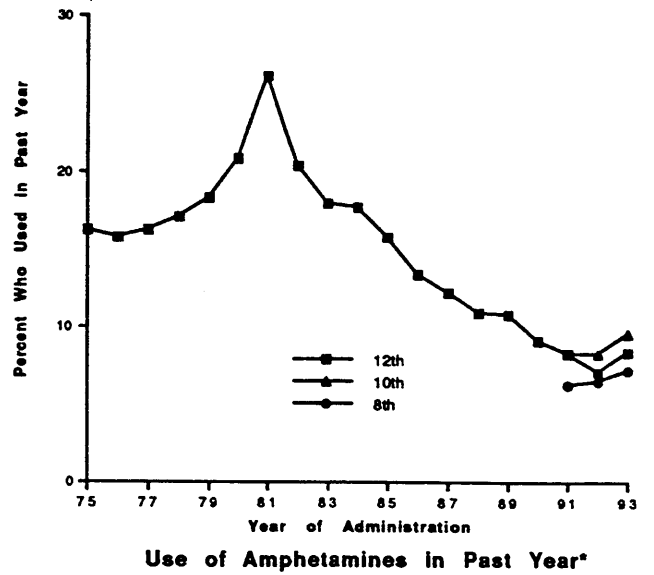
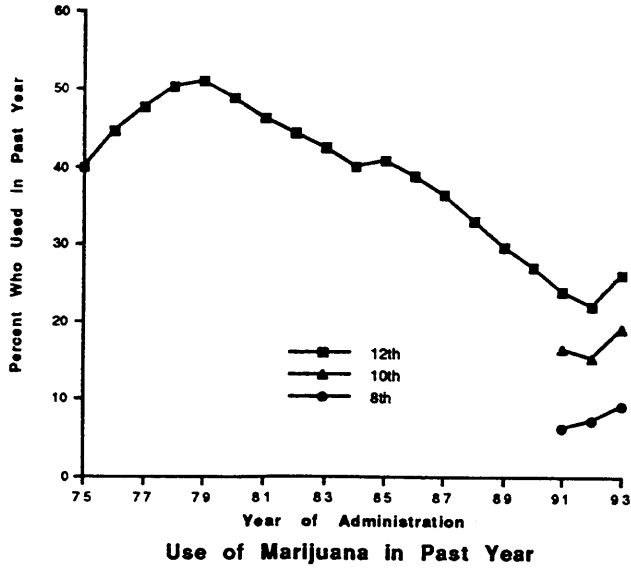


FIGURE 6
Trends in Annual Use of Selected Drugs by Grade, 1975-1993



*Beginning in 1982, the question about stimulant use (i.e., amphetamines) was revised to get respondents to exclude the inappropriate reporting of non-prescription stimulants. The prevalence dropped slightly as a result of this methodological change.

FIGURE 7
Lifetime Use of Selected Drugs by Grade, 1993

