

News and Information Services

December 11, 1995 (13)
Contact: Joyce Buchanan
Phone: (313) 763-5043

412 Maynard
Ann Arbor, Michigan
48109-1399

Drug use rises again in 1995 among American teens.

FOR RELEASE AT 10 A.M., EST, FRIDAY, DECEMBER 15, 1995

EDITORS: Results of this survey will be released at a news conference on Dec. 15 in Washington, D.C. Among those participating in the release of results will be Secretary of Health and Human Services Donna E. Shalala and the principal investigator of the Monitoring the Future study, Lloyd D. Johnston. For further information on the study, contact Johnston at (313) 763-5043.

ANN ARBOR---The use of drugs among American secondary school students rose again in 1995, continuing a trend that began in 1991 among eighth-grade students, and in 1992 among 10th- and 12th-graders, according to scientists at the University of Michigan.

The proportion of eighth-graders taking any illicit drug in the 12 months prior to the survey has almost doubled since 1991 (from 11 percent to 21 percent). Since 1992 the proportion using any illicit drugs in the prior 12 months has risen by nearly two-thirds among 10th-graders (from 20 percent to 33 percent) and by nearly half among 12th-graders (from 27 percent to 39 percent). (Table 1.)

The findings are from the Monitoring the Future Study, a series of annual surveys

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of some 50,000 students in over 400 public and private secondary schools nationwide. The U-M investigators who have directed the study for the 21 years of its existence are social scientists Lloyd Johnston, Jerald Bachman and Patrick O'Malley---all faculty at the U-M's Survey Research Center. The work is supported by the National Institute on Drug Abuse, one of the National Institutes of Health in the U.S. Department of Health and Human Services.

In 1995, marijuana use, in particular, continued the strong resurgence that began in the early 1990s, with increased use at all three grade levels. Among eighth-graders, annual prevalence (i.e., the proportion reporting any use in the 12 months prior to the survey) has risen to two-and-one-half times its level in 1991, from 6 percent in 1991 to 16 percent in 1995. Among 10th-graders, annual prevalence has nearly doubled from the low point in use in 1992 of 15 percent to 29 percent in 1995; among 12th-graders annual prevalence has increased by more than half, from the low point of 22 percent in 1992 to 35 percent in 1995. (Table 1 and Figure 7.)

“Of particular concern is the continuing rise in daily marijuana use,” observes Johnston. Nearly one in 20 (4.6 percent) of today's high school seniors is a current daily marijuana user, and roughly one in every 35 10th-graders (2.8 percent). Fewer than one in a hundred eighth-graders use at that level (0.8 percent). These rates have risen sharply as overall marijuana use has increased (Table 1).

The investigators found that while marijuana use has shown the sharpest increase, the use of a number of other illicit drugs, including LSD, hallucinogens other than LSD, amphetamines, stimulants, and inhalants, has also continued to drift upward.

The use of LSD continued to rise in all three grade levels in 1995, continuing longer-term increases that began at least as far back as 1991. The proportions reporting any LSD use in the 12 months prior to the 1995 survey were 3 percent, 7 percent, and 8

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percent for eighth-, 10th-, and 12th-graders, respectively. (Table 1 and Figure 7.)

Hallucinogens other than LSD, taken as a class, showed smaller increases in 1995 at all three grade levels. The annual prevalence rates for eighth-, 10th- and 12th-graders are considerably lower than for LSD: 2 percent, 3 percent, and 4 percent, respectively.

The longer-term rise in the use of amphetamine stimulants continued in 1995 at the eighth- and 10th-grade levels, but use leveled among 12th-graders. Annual prevalence rates are 9 percent, 12 percent, and 9 percent for grades eight, 10, and 12, respectively. (Table 1 and Figure 7.)

The use of cocaine in any form continued a gradual upward climb, though most of the one-year changes do not reach statistical significance. The same is true for crack cocaine. So far, at least, these increases have been very gradual. The annual prevalence rates for use of cocaine in any form are 2.6 percent, 3.5 percent, and 4 percent for grades eight, 10, and 12, respectively; while for crack use they are 1.6 percent, 1.8 percent, and 2.1 percent. (Table 1.)

Several other classes of illicit drugs also have been showing very gradual increases since the early 1990s, including tranquilizers and three drug classes reported only for 12th-graders---barbiturates, ice (crystal methamphetamine), and opiates other than heroin. (Table 1.)

Questions about heroin use have been in the study from the beginning and have generally shown low (and for many years among 12th-graders, stable) rates of use. However, use began to rise after 1991 among 10th- and 12th-graders, and after 1993 among eighth-graders, as well. There was a statistically significant increase in annual heroin prevalence among eighth-graders in 1994, and then among 12th-graders in 1995. All three grades showed some increase in both years. While the annual prevalence rates for heroin remain quite low in 1995 compared to most other drugs, they are nevertheless two to three times higher than they had been a few years ago. The annual prevalence rates

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in 1995 are between 1.1 percent and 1.4 percent at all three grade levels. (Table 1.)

The small increase in heroin use in 1994 led the investigators to distinguish in half of the 1995 questionnaires between two different methods for taking heroin: with a needle and without a needle. Their hypothesis was that non-injection forms of use (e.g., snorting or smoking) may be accounting for the rise in overall use. Consistent with this hypothesis, in 1995 a large proportion of those reporting heroin use indicated that at least some of their use involved a non-injection method of administration (63 percent, 75 percent, and 89 percent of the past-year heroin users in grades eight, 10, and 12, respectively). Further, a substantial proportion indicated using heroin only in a non-injectable form (32 percent, 45 percent, and 57 percent of the past-year heroin users for grades eight, 10, and 12, respectively).

“Obviously this is not a runaway epidemic among teens, but it should give rise to some caution,” Johnston comments. “Many of these young users may be under the misconception that they cannot become addicted to heroin if they use it in a non-injectable form. The fact is that they can. In Southeast Asia and other parts of the world there are many thousands of opium smokers who are heavily addicted, and heroin is simply a powerful derivative of opium.

“While these levels of illicit drug use are certainly reason for concern,” observes Johnston, “it should be noted that they are still well below the peak levels attained in the late 1970s. We are in a relapse phase in the longer-term epidemic, if you will, but it is certainly not something over which society is powerless. Our great progress in the past at lowering the rates of illicit drug use among our young people is proof of that.” To illustrate, between 1979 and 1992, the proportion of 12th-graders reporting using any illicit drug in the 12 months prior to the survey fell by half, from 54 percent to 27 percent. (Table 3.)

Alcohol use among American secondary students generally has remained fairly stable in the past few years, though at rates which most adults would probably consider to

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be unacceptably high. (This remains true in 1995, although there has been some small increase among 12th-graders over the past two years.) In 1995 the proportions of students having five or more drinks in a row during the two weeks preceding the survey were 15 percent, 24 percent, and 30 percent for the eighth-, 10th-, and 12th-graders, respectively. (Table 1.)

Perceived Risks

Beliefs about the harmfulness of the various drugs have proven to be very important determinants of use. The proportions of students seeing drugs as dangerous continued to decline in 1995. There was a sharp decline in the perceived risk of using marijuana---a decline which generally began after 1991 at all three grade levels. For example, while 79 percent of the 12th-graders in 1991 thought that regular marijuana users run a "great risk" of harming themselves physically or in other ways, by 1995 only 61 percent of 12th-graders felt that way. (Tables 6 and 7.)

There also was a decline in the perceived dangers of using crack cocaine and cocaine powder at all three grade levels. This decline began after 1991 among eighth- and 10th-graders and after 1992 among 12th-graders. (Table 6.)

The perceived dangers of LSD use also continued to decline in 1995---a decline which began among 12th-graders after 1991.

Only 12th-graders are asked about the perceived risk for a number of other drugs, and the risk associated with many of them has been declining as well, including amphetamines, ice (crystal methamphetamine), and barbiturates. (Table 7.)

The proportions of 12th-graders seeing a great risk in using heroin peaked in 1990 and has declined gradually since then. (Table 7.)

Peer Norms

Peer disapproval of drug use is also considered to be an important deterrent to use, and the norms against using illicit drugs generally have been softening in recent years. Still, the great majority of American young people disapprove of even trying any illicit

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drugs other than marijuana. Even for marijuana, 71 percent of eighth-graders in 1995 disapprove of trying it, 60 percent of 10th-graders, and 57 percent of 12th-graders. (Tables 8 and 9.)

Peer disapproval of marijuana use continued to decline in 1995, though at a decelerating pace. Peer disapproval of LSD use also declined at all three grade levels. However, for cocaine powder and crack cocaine there was no further slippage in peer disapproval among 12th-graders, though the declines of the previous two to three years continued among eighth- and 10th-graders. (Table 8.)

“As long as we are seeing erosion in the dangers youngsters believe to be associated with these drugs, and erosion in the norms against their use, I expect that we will see a continuation of the increase in drug use,” Johnston cautions.

Causes of the Increase

There are several reasons that today's young people are becoming more accepting of drug use and less worried about its consequences, according to Johnston. “First, we have to think of this problem as a dynamic one, in which new classes of young people are replacing previous ones who knew more about drugs and their adverse effects,” he says. “Teens from a decade ago knew more about drugs because there were more people around them who were users, and they could observe the effects of drug use first hand, or, in the case of public figures, through the media. They were also hearing a lot more about drugs from the news and through public service announcements. News reports on the subject of drugs plummeted after the buildup to the Gulf War, and media coverage of anti-drug ads has declined substantially.

“Also, parents of a decade ago may have been more likely than today's parents to talk to their children about drugs, because more of today's parents actually used drugs when they were teens and may feel hypocritical telling their own teens not to use.

“This aspect of generational replacement---of today's teens knowing less than the

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teens they replaced---I call 'generational forgetting.'

“At the same time that today's teens are hearing and seeing less about the consequences of use, they also are receiving more encouragement to use,” Johnston continues. “Many rap, grunge, and rock bands now have marijuana and other drug themes in their lyrics, and display their pro-drug leanings at rock concerts. In addition, many public proponents of legalization try to minimize the consequences of drugs---in particular, marijuana---in order to support their policy conclusions. The net result is that the balance of messages that kids are receiving has changed appreciably. They hear fewer cautions, more reassurance about the safety of drugs, and somewhat more encouragement to use.”

The investigators also point out that cigarette smoking is strongly correlated with the use of marijuana, and suggest that the upturn in cigarette smoking during the past four to five years may well have contributed to the increase in marijuana use over the same period. Because cigarette smoking usually precedes marijuana use and teaches youngsters how to take smoke into their lungs to secure a drug-induced effect, it provides an excellent training ground for learning how to smoke marijuana.”

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The study, titled “Monitoring the Future,” 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 Survey Research Center. In 1995, the seniors comprised about 16,000 students in 144 public and private high schools nationwide, selected to be representative of all seniors in the continental United States. They completed self-administered questionnaires given to them in their classrooms by U-M personnel in the spring of the year. Beginning in 1991, similar surveys of nationally representative samples of eighth- and 10th-graders have been conducted annually. The 1995 eighth-grade sample contained about 18,000 students in 152 schools, and the 10th-grade sample contained about 17,000 students in 139 schools. In all, approximately 50,000 students in 435 public and private secondary schools were surveyed in 1995.

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TABLE 1

Trends in Prevalence of Use of Various Drugs for Eighth, Tenth, and Twelfth Graders

	Lifetime						Annual						30-Day						Daily						
	1991	1992	1993	1994	1995	'94-'95 change	1991	1992	1993	1994	1995	'94-'95 change	1991	1992	1993	1994	1995	'94-'95 change	1991	1992	1993	1994	1995	'94-'95 change	
Any Illicit Drug*																									
8th Grade	18.7	20.6	22.5	25.7	28.5	+2.8ss	11.3	12.9	15.1	18.5	21.4	+2.9sss	5.7	6.8	8.4	10.9	12.4	+1.5s	—	—	—	—	—	—	—
10th Grade	30.6	29.8	32.8	37.4	40.9	+3.5ss	21.4	20.4	24.7	30.0	33.3	+3.3ss	11.6	11.0	14.0	18.5	20.2	+1.7s	—	—	—	—	—	—	—
12th Grade	44.1	40.7	42.9	45.6	48.4	+2.8	29.4	27.1	31.0	35.8	39.0	+3.2s	16.4	14.4	18.3	21.9	23.8	+1.9	—	—	—	—	—	—	—
Any Illicit Drug* Other Than Marijuana																									
8th Grade	14.3	15.6	16.8	17.5	18.8	+1.3	8.4	9.3	10.4	11.3	12.6	+1.3s	3.8	4.7	5.3	5.6	6.5	+0.9s	—	—	—	—	—	—	—
10th Grade	19.1	19.2	20.9	21.7	24.3	+2.6ss	12.2	12.3	13.9	15.2	17.5	+2.3ss	5.5	5.7	6.5	7.1	8.9	+1.8sss	—	—	—	—	—	—	—
12th Grade	26.9	25.1	26.7	27.6	28.1	+0.5	16.2	14.9	17.1	18.0	19.4	+1.4	7.1	6.3	7.9	8.8	10.0	+1.2s	—	—	—	—	—	—	—
Any Illicit Drug** Including Inhalants																									
8th Grade	28.5	29.6	32.3	35.1	38.1	+3.0ss	16.7	18.2	21.1	24.2	27.1	+2.9sss	8.8	10.0	12.0	14.3	16.1	+1.8ss	—	—	—	—	—	—	—
10th Grade	36.1	36.2	38.7	42.7	45.9	+3.2ss	23.9	23.5	27.4	32.5	35.6	+3.1ss	13.1	12.6	15.5	20.0	21.6	+1.6	—	—	—	—	—	—	—
12th Grade	47.6	44.4	46.6	49.1	51.5	+2.4	31.2	28.8	32.5	37.6	40.2	+2.6	17.8	15.5	19.3	23.0	24.8	+1.8	—	—	—	—	—	—	—
Marijuana/Hashish																									
8th Grade	10.2	11.2	12.6	16.7	19.9	+3.2sss	6.2	7.2	9.2	13.0	15.8	+2.8sss	3.2	3.7	5.1	7.8	9.1	+1.3s	0.2	0.2	0.4	0.7	0.8	+0.1	
10th Grade	23.4	21.4	24.4	30.4	34.1	+3.7ss	16.5	15.2	19.2	25.2	28.7	+3.5sss	8.7	8.1	10.9	15.8	17.2	+1.4	0.8	0.8	1.0	2.2	2.8	+0.6ss	
12th Grade	36.7	32.6	35.3	38.2	41.7	+3.5s	23.9	21.9	26.0	30.7	34.7	+4.0ss	13.8	11.9	15.5	19.0	21.2	+2.2s	2.0	1.9	2.4	3.6	4.6	+1.0ss	
Inhalants**c																									
8th Grade	17.6	17.4	19.4	19.9	21.6	+1.7s	9.0	9.5	11.0	11.7	12.8	+1.1	4.4	4.7	5.4	5.6	6.1	+0.5	0.2	0.3	0.3	0.2	0.2	0.0	
10th Grade	15.7	16.6	17.5	18.0	19.0	+1.0	7.1	7.5	8.4	9.1	9.6	+0.5	2.7	2.7	3.3	3.6	3.5	-0.1	0.1	0.1	0.2	0.1	0.1	0.0	
12th Grade	17.6	16.6	17.4	17.7	17.4	-0.3	6.6	6.2	7.0	7.7	8.0	+0.3	2.4	2.3	2.5	2.7	3.2	+0.5	0.2	0.1	0.1	0.1	0.1	+0.1	
Nitrites^d																									
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
12th Grade	1.6	1.5	1.4	1.7	1.5	-0.2	0.9	0.5	0.9	1.1	1.1	0.0	0.4	0.3	0.6	0.4	0.4	0.0	0.2	0.1	0.1	0.2	0.2	-0.1	
Hallucinogens^e																									
8th Grade	3.2	3.8	3.9	4.3	5.2	+0.9	1.9	2.5	2.6	2.7	3.6	+0.9s	0.8	1.1	1.2	1.3	1.7	+0.4	0.1	0.1	0.1	0.1	0.1	+0.1	
10th Grade	6.1	6.4	6.8	8.1	9.3	+1.2	4.0	4.3	4.7	5.8	7.2	+1.4ss	1.6	1.8	1.9	2.4	3.3	+0.9ss	*	0.1	0.1	0.1	*	0.0	
12th Grade	9.6	9.2	10.9	11.4	12.7	+1.3	5.8	5.9	7.4	7.6	9.3	+1.7ss	2.2	2.1	2.7	3.1	4.4	+1.3sss	0.1	0.1	0.1	0.1	0.1	0.0	
LSD																									
8th Grade	2.7	3.2	3.5	3.7	4.4	+0.7	1.7	2.1	2.3	2.4	3.2	+0.8s	0.6	0.9	1.0	1.1	1.4	+0.3	*	*	*	*	0.1	0.0	
10th Grade	5.6	5.8	6.2	7.2	8.4	+1.2	3.7	4.0	4.2	5.2	6.5	+1.3ss	1.5	1.6	1.6	2.0	3.0	+1.0sss	*	0.1	*	*	*	0.0	
12th Grade	8.8	8.6	10.3	10.5	11.7	+1.2	5.2	5.6	6.8	6.9	8.4	+1.5sss	1.9	2.0	2.4	2.6	4.0	+1.4sss	0.1	0.1	0.1	0.1	0.1	0.0	
PCP^d																									
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
12th Grade	2.9	2.4	2.9	2.8	2.7	-0.1	1.4	1.4	1.4	1.6	1.8	+0.2	0.5	0.6	1.0	0.7	0.6	-0.1	0.1	0.1	0.1	0.3	0.3	0.0	

(Table continued on next page)

TABLE 1 (cont.)

Trends in Prevalence of Use of Various Drugs for Eighth, Tenth, and Twelfth Graders

	<u>Lifetime</u>						<u>Annual</u>						<u>30-Day</u>						<u>Daily</u>						
	1991	1992	1993	1994	1995	'94-'95 change	1991	1992	1993	1994	1995	'94-'95 change	1991	1992	1993	1994	1995	'94-'95 change	1991	1992	1993	1994	1995	'94-'95 change	
Hallucinogens Other Than LSD																									
8th Grade	1.4	1.7	1.7	2.2	2.5	+0.3	0.7	1.1	1.0	1.3	1.7	+0.4s	0.3	0.4	0.5	0.7	0.8	+0.1	*	*	*	*	*	*	0.0
10th Grade	2.2	2.5	2.8	3.8	3.9	+0.1	1.3	1.4	1.9	2.4	2.8	+0.4	0.4	0.5	0.7	1.0	1.0	0.0	*	*	*	*	*	*	0.0
12th Grade	3.7	3.3	3.9	4.9	5.4	+0.5	2.0	1.7	2.2	3.1	3.8	+0.7s	0.7	0.5	0.8	1.2	1.3	+0.1	*	*	*	*	*	0.1	+0.1
Cocaine																									
8th Grade	2.3	2.9	2.9	3.6	4.2	+0.6	1.1	1.5	1.7	2.1	2.6	+0.5	0.5	0.7	0.7	1.0	1.2	+0.2	0.1	*	0.1	0.1	0.1	0.1	0.0
10th Grade	4.1	3.3	3.6	4.3	5.0	+0.7	2.2	1.9	2.1	2.8	3.5	+0.7	0.7	0.7	0.9	1.2	1.7	+0.5s	0.1	*	0.1	0.1	0.1	0.1	0.0
12th Grade	7.8	6.1	6.1	5.9	6.0	+0.1	3.5	3.1	3.3	3.6	4.0	+0.4	1.4	1.3	1.3	1.5	1.8	+0.3	0.1	0.1	0.1	0.1	0.1	0.2	+0.1
Crack																									
8th Grade	1.3	1.6	1.7	2.4	2.7	+0.3	0.7	0.9	1.0	1.3	1.6	+0.3s	0.3	0.5	0.4	0.7	0.7	0.0	*	*	0.1	*	*	0.0	
10th Grade	1.7	1.5	1.8	2.1	2.8	+0.7ss	0.9	0.9	1.1	1.4	1.8	+0.4s	0.3	0.4	0.5	0.6	0.9	+0.3ss	*	*	*	*	*	0.0	
12th Grade	3.1	2.6	2.6	3.0	3.0	0.0	1.5	1.5	1.5	1.9	2.1	+0.2	0.7	0.6	0.7	0.8	1.0	+0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Other Cocaine*																									
8th Grade	2.0	2.4	2.4	3.0	3.4	+0.4	1.0	1.2	1.3	1.7	2.1	+0.4	0.5	0.5	0.6	0.9	1.0	+0.1	*	*	*	*	*	0.0	
10th Grade	3.8	3.0	3.3	3.8	4.4	+0.6	2.1	1.7	1.8	2.4	3.0	+0.6	0.6	0.6	0.7	1.0	1.4	+0.4s	*	*	*	*	*	0.0	
12th Grade	7.0	5.3	5.4	5.2	5.1	-0.1	3.2	2.6	2.9	3.0	3.4	+0.4	1.2	1.0	1.2	1.3	1.3	0.0	0.1	*	0.1	0.1	0.1	+0.1	
Heroin^f																									
8th Grade	1.2	1.4	1.4	2.0	2.3	+0.3	0.7	0.7	0.7	1.2	1.4	+0.2	0.3	0.4	0.4	0.6	0.6	0.0	*	*	*	0.1	*	0.0	
10th Grade	1.2	1.2	1.3	1.5	1.7	+0.2	0.5	0.6	0.7	0.9	1.1	+0.2	0.2	0.2	0.3	0.4	0.6	+0.2s	*	*	*	*	*	0.0	
12th Grade	0.9	1.2	1.1	1.2	1.6	+0.4s	0.4	0.6	0.5	0.6	1.1	+0.5sss	0.2	0.3	0.2	0.3	0.6	+0.3sss	*	*	*	*	0.1	0.0	
Other Opiates^g																									
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	6.6	6.1	6.4	6.6	7.2	+0.6	3.5	3.3	3.6	3.8	4.7	+0.9ss	1.1	1.2	1.3	1.5	1.8	+0.3	0.1	*	*	0.1	0.1	0.0	
Stimulants^h																									
8th Grade	10.5	10.8	11.8	12.3	13.1	+0.8	6.2	6.5	7.2	7.9	8.7	+0.8	2.6	3.3	3.6	3.6	4.2	+0.6s	0.1	0.1	0.1	0.1	0.2	0.0	
10th Grade	13.2	13.1	14.9	15.1	17.4	+2.3ss	8.2	8.2	9.6	10.2	11.9	+1.7ss	3.3	3.6	4.3	4.5	5.3	+0.8s	0.1	0.1	0.3	0.1	0.2	+0.1	
12th Grade	15.4	13.9	15.1	15.7	15.3	-0.4	8.2	7.1	8.4	9.4	9.3	-0.1	3.2	2.8	3.7	4.0	4.0	0.0	0.2	0.2	0.2	0.2	0.3	+0.1	
Ice^b																									
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	3.3	2.9	3.1	3.4	3.9	+0.5	1.4	1.3	1.7	1.8	2.4	+0.6	0.6	0.5	0.6	0.7	1.1	+0.4	0.1	0.1	0.1	*	0.1	0.0	
Barbiturates^g																									
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	6.2	5.5	6.3	7.0	7.4	+0.4	3.4	2.8	3.4	4.1	4.7	+0.6	1.4	1.1	1.3	1.7	2.2	+0.5ss	0.1	*	0.1	*	0.1	+0.1	

(Table continued on next page)

TABLE 1 (cont.)

Trends in Prevalence of Use of Various Drugs for Eighth, Tenth, and Twelfth Graders

	Lifetime						Annual						30-Day						Daily						
	1991	1992	1993	1994	1995	'94-'95 change	1991	1992	1993	1994	1995	'94-'95 change	1991	1992	1993	1994	1995	'94-'95 change	1991	1992	1993	1994	1995	'94-'95 change	
Tranquilizers^g																									
8th Grade	3.8	4.1	4.4	4.6	4.5	-0.1	1.8	2.0	2.1	2.4	2.7	+0.3	0.8	0.8	0.9	1.1	1.2	+0.1	*	*	0.1	0.1	*	0.0	
10th Grade	5.8	5.9	5.7	5.4	6.0	+0.6	3.2	3.5	3.3	3.3	4.0	+0.7s	1.2	1.5	1.1	1.5	1.7	+0.2	*	*	*	*	*	0.1	
12th Grade	7.2	6.0	6.4	6.6	7.1	+0.5	3.6	2.8	3.5	3.7	4.4	+0.7s	1.4	1.0	1.2	1.4	1.8	+0.4s	0.1	*	*	0.1	*	0.0	
Alcoholⁱ																									
Any use																									
8th Grade	70.1	69.3	67.1	—	—	—	54.0	53.7	51.6	—	—	—	25.1	26.1	26.2	—	—	—	0.5	0.6	0.8	—	—	—	
10th Grade	83.8	82.3	80.8	—	—	—	72.3	70.2	69.3	—	—	-1.5	42.8	39.9	41.5	—	—	-0.9	1.3	1.2	1.6	—	—	-0.3s	
12th Grade	88.0	87.5	87.0	—	—	-0.6	77.7	76.8	76.0	—	—	-0.4	54.0	51.3	51.0	—	—	-0.4	3.6	3.4	1.8	1.7	1.7	0.0	
			80.0	80.4	80.7	+0.3			72.7	73.0	73.7	+0.7			48.6	50.1	51.3	+1.2			3.4	2.9	3.5	+0.6ss	
5+ drinks in last 2 weeks																									
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.9	13.4	13.5	14.5	14.5	0.0	
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.9	21.1	23.0	23.6	24.0	+0.4	
12th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	29.8	27.9	27.5	28.2	29.8	+1.6	
Been Drunk^h																									
8th Grade	26.7	26.8	26.4	25.9	25.3	-0.6	17.5	18.3	18.2	18.2	18.4	+0.2	7.6	7.5	7.8	8.7	8.3	-0.4	0.1	0.1	0.2	0.3	0.2	0.0	
10th Grade	50.0	47.7	47.9	47.2	46.9	-0.3	40.1	37.0	37.8	38.0	38.5	+0.5	20.5	18.1	19.8	20.3	20.8	+0.5	0.2	0.3	0.4	0.4	0.6	+0.2s	
12th Grade	65.4	63.4	62.5	62.9	63.2	+0.3	52.7	50.3	49.6	51.7	52.5	+0.8	31.6	29.9	28.9	30.8	33.2	+2.4	0.9	0.8	0.9	1.2	1.3	+0.1	
Cigarettes																									
Any use																									
8th Grade	44.0	45.2	45.3	46.1	46.4	+0.3	—	—	—	—	—	—	14.3	15.5	16.7	18.6	19.1	+0.5	7.2	7.0	8.3	8.8	9.3	+0.5	
10th Grade	55.1	53.5	56.3	56.9	57.6	+0.7	—	—	—	—	—	—	20.8	21.5	24.7	25.4	27.9	+2.5ss	12.6	12.3	14.2	14.6	16.3	+1.7s	
12th Grade	63.1	61.8	61.9	62.0	64.2	+2.2s	—	—	—	—	—	—	28.3	27.8	29.9	31.2	33.5	+2.3s	18.5	17.2	19.0	19.4	21.6	+2.2s	
1/2 pack+/day																									
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.1	2.9	3.5	3.6	3.4	-0.2	
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.5	6.0	7.0	7.6	8.3	+0.7	
12th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.7	10.0	10.9	11.2	12.4	+1.2	
Smokeless Tobacco^d																									
8th Grade	22.2	20.7	18.7	19.9	20.0	+0.1	—	—	—	—	—	—	6.9	7.0	6.6	7.7	7.1	-0.6	1.6	1.8	1.5	1.9	1.2	-0.7	
10th Grade	28.2	26.6	28.1	29.2	27.6	-1.6	—	—	—	—	—	—	10.0	9.6	10.4	10.5	9.7	-0.8	3.3	3.0	3.3	3.0	2.7	-0.3	
12th Grade	—	32.4	31.0	30.7	30.9	+0.2	—	—	—	—	—	—	—	11.4	10.7	11.1	12.2	+1.1	—	4.3	3.3	3.9	3.6	-0.4	
Steroids^h																									
8th Grade	1.9	1.7	1.6	2.0	2.0	0.0	1.0	1.1	0.9	1.2	1.0	-0.2	0.4	0.5	0.5	0.5	0.6	+0.1	*	*	0.1	*	*	0.0	
10th Grade	1.8	1.7	1.7	1.8	2.0	+0.2	1.1	1.1	1.0	1.1	1.2	+0.1	0.6	0.6	0.5	0.6	0.6	0.0	0.1	*	*	0.1	0.1	0.0	
12th Grade	2.1	2.1	2.0	2.4	2.3	-0.1	1.4	1.1	1.2	1.3	1.5	+0.2	0.8	0.6	0.7	0.9	0.7	-0.2	0.1	0.1	0.1	0.4	0.2	-0.2	

(Footnotes are on next page)

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.

SOURCE: The Monitoring the Future Study, the University of Michigan.

<u>Approximate Weighted Ns</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>
8th Grade	17,500	18,600	18,300	17,300	17,500
10th Grade	14,800	14,800	15,300	15,800	17,000
12th Grade	15,000	15,800	16,300	15,400	15,400

^a For 12th graders only: Use of "any illicit drug" includes any use of marijuana, LSD, other hallucinogens, crack, other cocaine, or heroin, or any use of other opiates, stimulants, barbiturates, or tranquilizers not under a doctor's orders. For 8th and 10th graders: The use of other opiates and barbiturates has been excluded, because these younger respondents appear to overreport use (perhaps because they include the use of nonprescription drugs in their answers).

^b For 12th graders only: Data based on five of six forms; N is five-sixths of N indicated.

^c Inhalants are unadjusted for underreporting of amyl and butyl nitrites; hallucinogens are unadjusted for underreporting of PCP.

^d For 8th, 10th, and 12th graders: Data based on one form; N for 12th graders is one-sixth of N indicated and N for 8th and 10th graders is one-half of N indicated.

^e For 12th graders only: Data based on four of six forms; N is four-sixths of N indicated.

^f In 1995 the heroin question was changed in half of the questionnaire forms. Separate questions were asked for use with injection and without injection. Data presented here represents the combined data from all forms.

^g Only drug use which was not under a doctor's orders is included here.

^h For 12th graders only: Data based on two of six forms; N is two-sixths of N indicated.

ⁱ For all grades: In 1993, the question text was changed slightly in half of the forms to indicate that a "drink" meant "more than a few sips." The data in the upper line for alcohol came from forms using the original wording, while the data in the lower line came from forms using the revised wording. In 1993, each line of data was based on one of two forms for the 8th and 10th graders and on three of six forms for the 12th graders. N is one-half of N indicated for all groups. Data for 1994–95 were based on all forms for all grades.

TABLE 2

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

	Percent ever used																				'94-'95 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	Class of 1994		Class of 1995
<i>Approx. N =</i>	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	16300	15400	15400	
<i>Any Illicit Drug^{a,b}</i>	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	45.6	48.4	+2.8
<i>Any Illicit Drug Other^{a,b} Than Marijuana</i>	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	27.6	28.1	+0.5
<i>Marijuana/Hashish</i>	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	38.2	41.7	+3.5s
<i>Inhalants^c</i>	—	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	17.7	17.4	-0.3
<i>Inhalants, Adjusted^{c,d}</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	18.3	17.8	-0.5
<i>Amyl & Butyl Nitrites^{e,f}</i>	—	—	—	—	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	1.7	1.5	-0.2
<i>Hallucinogens</i>	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	11.4	12.7	+1.3
<i>Hallucinogens, Adjusted^g</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	11.7	13.1	+1.4
<i>LSD</i>	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	10.5	11.7	+1.2
<i>PCP^{e,f}</i>	—	—	—	—	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	2.8	2.7	-0.1
<i>Cocaine</i>	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	5.9	6.0	+0.1
<i>Crack^h</i>	—	—	—	—	—	—	—	—	—	—	—	—	5.4	4.8	4.7	3.5	3.1	2.6	2.6	3.0	3.0	0.0
<i>Other Cocaineⁱ</i>	—	—	—	—	—	—	—	—	—	—	—	—	14.0	12.1	8.5	8.6	7.0	5.3	5.4	5.2	5.1	-0.1
<i>Heroin^j</i>	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	1.2	1.6	+0.4s
<i>Other Opiates^k</i>	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	6.6	7.2	+0.6
<i>Stimulants^{b,k}</i>	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	15.7	15.3	-0.4
<i>Crystal Meth. (Ice)^l</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.7	3.3	2.9	3.1	3.4	3.9	+0.5
<i>Sedatives^{k,m}</i>	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	7.3	7.6	+0.3
<i>Barbiturates^k</i>	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	7.0	7.4	+0.4
<i>Methaqualone^{k,m}</i>	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	1.4	1.2	-0.2
<i>Tranquilizers^k</i>	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	6.6	7.1	+0.5
<i>Alcoholⁿ</i>	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	—	—	—
																			80.0	80.4	80.7	+0.3
<i>Been Drunk^l</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.4	63.4	62.5	62.9	63.2	+0.3
<i>Cigarettes</i>	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	62.0	64.2	+2.2s
<i>Smokeless Tobacco^o</i>	—	—	—	—	—	—	—	—	—	—	—	31.4	32.2	30.4	29.2	—	—	32.4	31.0	30.7	30.9	+0.2
<i>Steroids^l</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.0	2.9	2.1	2.1	2.0	2.4	2.3	-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: The Monitoring the Future Study, the University of Michigan.

Footnotes for Table 2–Table 5

- ^aUse of "any illicit drug" includes any use of marijuana, LSD, other hallucinogens, crack, other cocaine, or heroin, or any use of other opiates, stimulants, barbiturates, methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.
- ^bBeginning 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.
- ^cData based on four of five forms in 1976–88; N is four-fifths of N indicated. Data based on five of six forms in 1989–95; N is five-sixths of N indicated.
- ^dAdjusted for underreporting of amyl and butyl nitrites. See text for details.
- ^eData based on one form; N is one-fifth of N indicated in 1979–88 and one-sixth of N indicated in 1989–95.
- ^fQuestion text changed slightly in 1987.
- ^gAdjusted for underreporting of PCP. See text for details.
- ^hData based on one of five forms in 1986; N is one-fifth of N indicated. Data based on two forms in 1987–89; N is two-fifths of N indicated in 1987–88 and two-sixths of N indicated in 1989. Data based on six forms in 1990–95.
- ⁱData based on one form in 1987–89; N is one-fifth of N indicated in 1987–88 and one-sixth of N indicated in 1989. Data based on four of six forms in 1990–95; N is four-sixths of N indicated.
- ^jIn 1995 the heroin question was changed in half of the questionnaire forms. Separate questions were asked for use with injection and without injection. Data presented here represents the combined data from all forms.
- ^kOnly drug use which was not under a doctor's orders is included here.
- ^lData based on two of six forms; N is two-sixths of N indicated. Steroid data based on one of six forms in 1989–90; N is one-sixth of N indicated in 1989–90. Steroid data based on two of six forms since 1991; N is two-sixths of N indicated since 1991.
- ^mSedatives: Data based on five forms in 1975–88, six forms in 1989, one form in 1990 (N is one-sixth of N indicated in 1990), and six forms of data adjusted by one-form data beginning in 1991. Methaqualone: Data based on five forms in 1975–88, six forms in 1989, and one of six forms beginning in 1990 (N is one-sixth of N indicated beginning in 1990).
- ⁿData based on five forms in 1975–88 and on six forms in 1989–92. In 1993, the question text was changed slightly in three of six forms to indicate that a "drink" meant "more than a few sips." The data in the upper line for alcohol came from the three forms using the original wording (N is three-sixths of N indicated), while the data in the lower line came from the three forms containing the revised wording (N is three-sixths of N indicated). Data for 1994–95 were based on all six forms.

SOURCE: The Monitoring the Future Study, the University of Michigan.

TABLE 3

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

	Percent who used in last twelve months																				'94-'95 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	Class of 1994		Class of 1995	
<i>Approx. N =</i>	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	16300	15400	15400		
<i>Any Illicit Drug^{a,b}</i>	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	35.8	39.0	+3.2s	
<i>Any Illicit Drug Other^{a,b} Than Marijuana</i>	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	18.0	19.4	+1.4	
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	30.7	34.7	+4.0ss	
Inhalants ^c	—	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	7.7	8.0	+0.3	
<i>Inhalants, Adjusted^{c,d}</i>	—	—	—	—	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	8.2	8.4	+0.2	
<i>Amyl/Butyl Nitrites^{e,f}</i>	—	—	—	—	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	1.1	1.1	0.0	
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	7.6	9.3	+1.7ss	
<i>Hallucinogens, Adjusted^g</i>	—	—	—	—	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	7.8	9.7	+1.9ss	
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	6.9	8.4	+1.5ss	
PCP ^f	—	—	—	—	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	1.6	1.8	+0.2	
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	3.6	4.0	+0.4	
Crack ^h	—	—	—	—	—	—	—	—	—	—	—	4.1	3.9	3.1	3.1	1.9	1.5	1.5	1.5	1.9	2.1	+0.2	
Other Cocaine ⁱ	—	—	—	—	—	—	—	—	—	—	—	—	9.8	7.4	5.2	4.6	3.2	2.6	2.9	3.0	3.4	+0.4	
Heroin ^j	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	0.6	1.1	+0.5sss	
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	3.8	4.7	+0.9ss	
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	9.4	9.3	-0.1	
Crystal Meth. (Ice) ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.3	1.4	1.3	1.7	1.8	2.4	+0.6	
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	4.2	4.9	+0.7s	
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	4.1	4.7	+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	0.8	0.7	-0.1	
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	3.7	4.4	+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	—	—	—	
																			72.7	73.0	73.7	+0.7	
Been Drunk ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.7	50.3	49.6	51.7	52.5	+0.8	
Cigarettes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Smokeless Tobacco ^o	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Steroids ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.9	1.7	1.4	1.1	1.2	1.3	1.5	+0.2

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: The Monitoring the Future Study, the University of Michigan.

TABLE 4

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

	Percent who used in last thirty days																				'94-'95 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	Class of 1994		Class of 1995
	Approx. N =																					
	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	16300	15400	15400	
<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	21.9	23.8	+1.9
<i>Any Illicit Drug Other Than Marijuana</i> ^{a,b}	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	8.8	10.0	+1.2s
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	19.0	21.2	+2.2s
Inhalants ^c	—	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	2.7	3.2	+0.5
<i>Inhalants, Adjusted</i> ^d	—	—	—	—	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	2.9	3.5	+0.6
Amyl/Butyl Nitrites ^{e,f}	—	—	—	—	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	0.4	0.4	0.0
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	3.1	4.4	+1.3sss
<i>Hallucinogens, Adjusted</i> ^g	—	—	—	—	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	3.2	4.6	+1.4sss
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	2.6	4.0	+1.4sss
PCP ^{e,f}	—	—	—	—	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	0.7	0.6	-0.1
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	1.5	1.8	+0.3
Crack ^h	—	—	—	—	—	—	—	—	—	—	—	—	1.3	1.6	1.4	0.7	0.7	0.6	0.7	0.8	1.0	+0.2
Other Cocaine ⁱ	—	—	—	—	—	—	—	—	—	—	—	—	4.1	3.2	1.9	1.7	1.2	1.0	1.2	1.3	1.3	0.0
Heroin ^j	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	0.3	0.6	+0.3sss
Other Opiates ^t	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	1.5	1.8	+0.3
Stimulants ^{h,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	4.0	4.0	0.0
Crystal Meth. (Ice) ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.6	0.6	0.5	0.6	0.7	1.1	+0.4
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	1.8	2.3	+0.5s
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	1.7	2.2	+0.5ss
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	0.4	0.4	0.0
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	1.4	1.8	+0.4s
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	—	—	—
																			48.6	50.1	51.3	+1.2
Been Drunk ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.6	29.9	28.9	30.8	33.2	+2.4
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	31.2	33.5	+2.3s
Smokeless Tobacco ^o	—	—	—	—	—	—	—	—	—	—	—	11.5	11.3	10.3	8.4	—	—	11.4	10.7	11.1	12.2	+1.1
Steroids ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.8	1.0	0.8	0.6	0.7	0.9	0.7	-0.2

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: The 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																				'94-'95 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	Class of 1994		Class of 1995		
<i>Approx. N =</i>	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	16300	15400	15400			
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	3.6	4.6	+1.0 _{ss}		
Inhalants ^c	—	*	*	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	0.1	0.1	+0.1	
<i>Inhalants, Adjusted^{c,d}</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	—	—	—	
Amyl & Butyl Nitrites ^{e,f}	—	—	—	—	*	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	0.2	0.2	0.2	-0.1	
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	0.1	0.1	0.1	0.0	
<i>Hallucinogens, Adjusted^g</i>	—	—	—	—	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.3	0.2	*	0.3	0.3	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	0.1	0.0	
PCP ^{e,f}	—	—	—	—	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	0.3	0.3	0.3	0.0	
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	0.1	0.2	+0.1	
Crack ^h	—	—	—	—	—	—	—	—	—	—	—	—	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	
Other Cocaine ⁱ	—	—	—	—	—	—	—	—	—	—	—	—	0.2	0.2	0.1	0.1	0.1	*	0.1	0.1	0.1	0.1	+0.1	
Heroin ^j	0.1	*	*	*	*	*	*	*	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	*	*	0.1	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	0.2	0.2	0.3	+0.1	
Crystal Meth. (Ice) ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.1	0.1	0.1	0.1	*	0.1	0.0		
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	0.1	*	0.1	+0.1	
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	*	0.1	0.1	+0.1	
Methaqualone ^{k,m}	*	*	*	*	*	0.1	0.1	0.1	*	*	*	*	*	*	0.1	*	*	*	0.1	0.0	0.1	0.1	0.0	
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	*	*	0.1	*	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	—	—	—	—	
Been drunk daily ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.9	0.8	3.4	2.9	3.5	+0.6 _{ss}		
5+ drinks in a row in 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	0.9	0.8	0.9	1.2	1.3	+0.1
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	19.4	21.6	+2.2 _{ss}		
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	11.2	12.4	+1.2		
Smokeless Tobacco ^o	—	—	—	—	—	—	—	—	—	—	—	4.7	5.1	4.3	3.3	—	—	4.3	3.3	3.9	3.6	-0.4		
Steroids ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.1	0.2	0.1	0.1	0.1	0.1	0.4	0.2	-0.2	

NOTES: Level of significance of difference between the two most recent classes: 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 most recent classes is due to rounding error. See Table 2 for relevant footnotes.

SOURCE: The Monitoring the Future Study, the University of Michigan.

TABLE 6

**Trends in Harmfulness of Drugs as Perceived
by Eighth, Tenth, and Twelfth Graders, 1991-95**

Q. How much do you think people risk harming themselves (physically or in other ways), if they . . .	Percentage saying "great risk" ^a																			
	8th Grade						10th Grade						12th Grade							
	1991	1992	1993	1994	1995	'94-'95 change	1991	1992	1993	1994	1995	'94-'95 change	1991	1992	1993	1994	1995	'94-'95 change		
Try marijuana once or twice	40.4	39.1	36.2	31.6	28.9	-2.7 _{ss}	30.0	31.9	29.7	24.4	21.5	-2.9 _{sss}	27.1	24.5	21.9	19.5	16.3	-3.2 _s		
Smoke marijuana occasionally	57.9	56.3	53.8	48.6	45.9	-2.7 _{ss}	48.6	48.9	46.1	38.9	35.4	-3.5 _{sss}	40.6	39.6	35.6	30.1	25.6	-4.5 _{sss}		
Smoke marijuana regularly	83.8	82.0	79.6	74.3	73.0	-1.3	82.1	81.1	78.5	71.3	67.9	-3.4 _{ss}	78.6	76.5	72.5	65.0	60.8	-4.2 _s		
Try inhalants once or twice	35.9	37.0	36.5	37.9	36.4	-1.5	37.8	38.7	40.9	42.7	41.6	-1.1	—	—	—	—	—	—		
Try inhalants regularly	65.6	64.4	64.6	65.5	64.8	-0.7	69.8	67.9	69.6	71.5	71.8	+0.3	—	—	—	—	—	—		
Take LSD once or twice ^b	—	—	42.1	38.3	36.7	-1.6	—	—	48.7	46.5	44.7	-1.8	46.6	42.3	39.5	38.8	36.4	-2.4		
Take LSD regularly ^b	—	—	68.3	65.8	64.4	-1.4	—	—	78.9	75.9	75.5	-0.4	84.3	81.8	79.4	79.1	78.1	-1.0		
Try crack once or twice	62.8	61.2	57.2	54.4	50.8	-3.6 _{sss}	70.4	69.6	66.6	64.7	60.9	-3.8 _{sss}	60.6	62.4	57.6	58.4	54.6	-3.8 _s		
Take crack occasionally	82.2	79.6	76.8	74.4	72.1	-2.3 _s	87.4	86.4	84.4	83.1	81.2	-1.9 _{ss}	76.5	76.3	73.9	73.8	72.8	-1.0		
Try cocaine powder once or twice	55.5	54.1	50.7	48.4	44.9	-3.5 _{sss}	59.1	59.2	57.5	56.4	53.5	-2.9 _{sss}	53.6	57.1	53.2	55.4	52.0	-3.4		
Take cocaine powder occasionally	77.0	74.3	71.8	69.1	66.4	-2.7 _s	82.2	80.1	79.1	77.8	75.6	-2.2 _{ss}	69.8	70.8	68.6	70.6	69.1	-1.5		
Try one or two drinks of an alcoholic beverage (beer, wine, liquor)	11.0	12.1	12.4	11.6	11.6	0.0	9.0	10.1	10.9	9.4	9.3	-0.1	9.1	8.6	8.2	7.6	5.9	-1.7 _s		
Take one or two drinks nearly every day	31.8	32.4	32.6	29.9	30.5	+0.6	36.1	36.8	35.9	32.5	31.7	-0.8	32.7	30.6	28.2	27.0	24.8	-2.2		
Have five or more drinks once or twice each weekend	59.1	58.0	57.7	54.7	54.1	-0.6	54.7	55.9	54.9	52.9	52.0	-0.9	48.6	49.0	48.3	46.5	45.2	-1.3		
Smoke one or more packs of cigarettes per day	51.6	50.8	52.7	50.8	49.8	-1.0	60.3	59.3	60.7	59.0	57.0	-2.0 _s	69.4	69.2	69.5	67.6	65.6	-2.0		
Use smokeless tobacco regularly	35.1	35.1	36.9	35.5	33.5	-2.0	40.3	39.6	44.2	42.2	38.2	-4.0 _{sss}	37.4	35.5	38.9	36.6	33.2	-3.4 _s		
Take steroids ^c	64.2	69.5	70.2	67.6	—	—	67.1	72.7	73.4	72.5	—	—	65.6	70.7	69.1	66.1	66.4	+0.3		
	Approx. N = 17437 18662 18366 17394 17501							14719 14808 15298 15880 17006							2549 2684 2759 2591 2603					

NOTES: Level of significance of difference between the two most recent classes: s =.05, ss =.01, sss =.001. '—' indicates data not available.
SOURCE: The 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 one of two forms; N is one-half of N indicated.

^c8th and 10th grade: Data based on two forms in 1991 and 1992 and on one of two forms in 1993 and 1994, N is one-half of N indicated.

TABLE 7
Long-Term Trends in Harmfulness of Drugs as Perceived by Twelfth Graders

Q. How much do you think people risk harming themselves (physically or in other ways), if they . . .	Percentage saying "great risk" ^a																				'94-'95 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	Class of 1994		Class of 1995	
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	19.5	16.3	-3.2s	
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	30.1	25.6	-4.5ss	
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	65.0	60.8	-4.2s	
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	38.8	36.4	-2.4	
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	79.1	78.1	-1.0	
Try PCP once or twice	—	—	—	—	—	—	—	—	—	—	—	—	55.6	58.8	56.6	55.2	51.7	54.8	50.8	51.5	49.1	-2.4	
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	57.2	53.7	-3.5s	
Take cocaine occasionally	—	—	—	—	—	—	—	—	—	—	—	—	54.2	66.8	69.2	71.8	73.9	75.5	75.1	73.3	73.7	70.8	-2.9
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	89.3	87.9	-1.4	
Try crack once or twice	—	—	—	—	—	—	—	—	—	—	—	—	57.0	62.1	62.9	64.3	60.6	62.4	57.6	58.4	54.6	-3.8s	
Take crack occasionally	—	—	—	—	—	—	—	—	—	—	—	—	70.4	73.2	75.3	80.4	76.5	76.3	73.9	73.8	72.8	-1.0	
Take crack regularly	—	—	—	—	—	—	—	—	—	—	—	—	84.6	84.8	85.6	91.6	90.1	89.3	87.5	89.6	88.6	-1.0	
Try cocaine powder once or twice	—	—	—	—	—	—	—	—	—	—	—	—	45.3	51.7	53.8	53.9	53.6	57.1	53.2	55.4	52.0	-3.4	
Take cocaine powder occasionally	—	—	—	—	—	—	—	—	—	—	—	—	56.8	61.9	65.8	71.1	69.8	70.8	68.6	70.6	69.1	-1.5	
Take cocaine powder regularly	—	—	—	—	—	—	—	—	—	—	—	—	81.4	82.9	83.9	90.2	88.9	88.4	87.0	88.6	87.8	-0.8	
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	52.8	50.9	-1.9	
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	72.1	71.0	-1.1	
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	88.0	87.2	-0.8	
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	31.4	28.8	-2.6	
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	67.0	65.9	-1.1	
Try crystal meth. (ice) once or twice	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61.6	61.9	57.5	58.3	54.4	-3.9s	
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	29.9	26.3	-3.6s	
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	63.3	61.6	-1.7	
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	7.6	5.9	-1.7s	
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	27.0	24.8	-2.2	
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	66.2	62.8	-3.4s	
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	46.5	45.2	-1.3	
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	67.6	65.6	-2.0	
Use smokeless tobacco regularly	—	—	—	—	—	—	—	—	—	—	—	—	25.8	30.0	33.2	32.9	34.2	37.4	35.5	38.9	36.6	33.2	-3.4s
Take steroids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	63.8	69.9	65.6	70.7	69.1	66.1	66.4	+0.3	
	Approx. N =	2804	2918	3052	3770	3250	3234	3604	3557	3305	3262	3250	3020	3315	3276	2796	2553	2549	2684	2759	2591	2603	

NOTES: Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.
SOURCE: The 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, 1991-95**

Percent who "disapprove" or "strongly disapprove"^a

Q. Do you disapprove of people who . . .	8th Grade						10th Grade						12th Grade ^b							
	1991	1992	1993	1994	1995	'94-'95 change	1991	1992	1993	1994	1995	'94-'95 change	1991	1992	1993	1994	1995	'94-'95 change		
Try marijuana once or twice	84.6	82.1	79.2	72.9	70.7	-2.2ss	74.6	74.8	70.3	62.4	59.8	-2.6s	68.7	69.9	63.3	57.6	56.7	-0.9		
Smoke marijuana occasionally	89.5	88.1	85.7	80.9	79.7	-1.2	83.7	83.6	79.4	72.3	70.0	-2.3s	79.4	79.7	75.5	68.9	66.7	-2.2		
Smoke marijuana regularly	92.1	90.8	88.9	85.3	85.1	-0.2	90.4	90.0	87.4	82.2	81.1	-1.1	89.3	90.1	87.6	82.3	81.9	-0.4		
Try inhalants once or twice	84.9	84.0	82.5	81.6	81.8	+0.2	85.2	85.6	84.8	84.9	84.5	-0.4	—	—	—	—	—	—		
Take inhalants regularly	90.6	90.0	88.9	88.1	88.8	+0.7	91.0	91.5	90.9	91.0	90.9	-0.1	—	—	—	—	—	—		
Try LSD once or twice ^c	—	—	77.1	75.2	71.6	-3.6ss	—	—	82.1	79.3	77.9	-1.4	90.1	88.1	85.9	82.5	81.1	-1.4		
Take LSD regularly ^c	—	—	79.8	78.4	75.8	-2.6s	—	—	86.8	85.6	84.8	-0.8	96.4	95.5	95.8	94.3	92.5	-1.8s		
Try crack once or twice	91.7	90.7	89.1	86.9	85.9	-1.0	92.5	92.5	91.4	89.9	88.7	-1.2	92.1	93.1	89.9	89.5	91.4	+1.9		
Take crack occasionally	93.3	92.5	91.7	89.9	89.8	-0.1	94.3	94.4	93.6	92.5	91.7	-0.8	94.2	95.0	92.8	92.8	94.0	+1.2		
Try cocaine powder once or twice	91.2	89.6	88.5	86.1	85.3	-0.8	90.8	91.1	90.0	88.1	86.8	-1.3	88.0	89.4	86.6	87.1	88.3	+1.2		
Take cocaine powder occasionally	93.1	92.4	91.6	89.7	89.7	0.0	94.0	94.0	93.2	92.1	91.4	-0.7	93.0	93.4	91.2	91.0	92.7	+1.7		
Try one or two drinks of an alcoholic beverage (beer, wine, liquor)	51.7	52.2	50.9	47.8	48.0	+0.2	37.6	39.9	38.5	36.5	36.1	-0.4	29.8	33.0	30.1	28.4	27.3	-1.1		
Take one or two drinks nearly every day	82.2	81.0	79.6	76.7	75.9	-0.8	81.7	81.7	78.6	75.2	75.4	+0.2	76.5	75.9	77.8	73.1	73.3	+0.2		
Have five or more drinks once or twice each weekend	85.2	83.9	83.3	80.7	80.7	0.0	76.7	77.6	74.7	72.3	72.2	-0.1	67.4	70.7	70.1	65.1	66.7	+1.6		
Smoke one or more packs of cigarettes per day	82.8	82.3	80.6	78.4	78.6	+0.2	79.4	77.8	76.5	73.9	73.2	-0.7	71.4	73.5	70.6	69.8	68.2	-1.6		
Use smokeless tobacco regularly	79.1	77.2	77.1	75.1	74.0	-1.1	75.4	74.6	73.8	71.2	71.0	-0.2	—	—	—	—	—	—		
Take steroids ^d	89.8	90.3	89.9	87.9	—	—	90.0	91.0	91.2	90.8	—	—	90.5	92.1	92.1	91.9	91.0	-0.9		
	Approx. N = 17390 18503 18435 17429 17560							14750 14774 15334 15891 17016							2547 2645 2723 2588 2603					

NOTES: Level of significance of difference between the two most recent classes: s =.05, ss =.01, sss =.001. '—' indicates data not available.
SOURCE: The 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 one of two forms; N is one-half of N indicated.

^d8th and 10th grade: Data based on two forms in 1991 and 1992 and on one of two forms in 1993 and 1994; 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																				'94-'95 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	Class of 1994		Class of 1995
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	57.6	56.7	-0.9
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	68.9	66.7	-2.2
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	82.3	81.9	-0.4
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	82.5	81.1	-1.4
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	94.3	92.5	-1.8s
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	91.6	90.3	-1.3
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	96.6	96.1	-0.5
Try crack once or twice	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	92.3	92.1	93.1	89.9	89.5	91.4	+1.9
Take crack occasionally	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	94.3	94.2	95.0	92.8	92.8	94.0	+1.2
Take crack regularly	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	94.9	95.0	95.5	93.4	93.1	94.1	+1.0
Try coke powder once or twice	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	87.9	88.0	89.4	86.6	87.1	88.3	+1.2
Take coke powder occasionally	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	92.1	93.0	93.4	91.2	91.0	92.7	+1.7
Take coke powder regularly	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93.7	94.4	94.3	93.0	92.5	93.8	+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	93.2	92.8	-0.4
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	96.2	95.7	-0.5
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	97.1	96.4	-0.7
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	81.3	82.2	+0.9
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	94.1	94.3	+0.2
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	87.5	87.3	-0.2
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	96.1	95.2	-0.9
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	28.4	27.3	-1.1
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	73.1	73.3	+0.2
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	89.8	88.8	-1.0
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	65.1	66.7	+1.6
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	69.8	68.2	-1.6
Take steroids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	90.8	90.5	92.1	92.1	91.9	91.0	-0.9
	Approx. N =	2677	2957	3085	3686	3221	3261	3610	3651	3341	3254	3265	3113	3302	3311	2799	2566	2547	2645	2723	2588	2603

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

SOURCE: The 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, 1992-95**

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

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

	8th Grade					10th Grade					12th Grade				
	1992	1993	1994	1995	'94-'95 change	1992	1993	1994	1995	'94-'95 change	1992	1993	1994	1995	'94-'95 change
Marijuana	42.3	43.8	49.9	52.4	+2.5ss	65.2	68.4	75.0	78.1	+3.1sss	82.7	83.0	85.5	88.5	+3.0ss
LSD	21.5	21.8	21.8	23.5	+1.7s	33.6	35.8	36.1	39.8	+3.7sss	44.5	49.2	50.8	53.8	+3.0
PCP ^b	18.0	18.5	17.7	19.0	+1.3	23.7	23.4	23.8	24.7	+0.9	31.7	31.7	31.4	31.0	-0.4
Crack	25.6	25.9	26.9	28.7	+1.8s	33.7	33.0	34.2	34.6	+0.4	43.5	43.6	40.5	41.9	+1.4
Cocaine Powder	25.7	25.9	26.4	27.8	+1.4	35.0	34.1	34.5	35.3	+0.8	48.0	45.4	43.7	43.8	+0.1
Heroin	19.7	19.8	19.4	21.1	+1.7s	24.3	24.3	24.7	24.6	-0.1	34.9	33.7	34.1	35.1	+1.0
Other Opiates ^b	19.8	19.0	18.3	20.3	+2.0	26.9	24.9	26.9	27.8	+0.9	37.1	37.5	38.0	39.8	+1.8
Amphetamines	32.2	31.4	31.0	33.4	+2.4ss	43.4	46.4	46.6	47.7	+1.1	58.8	61.5	62.0	62.8	+0.8
Crystal Meth. (Ice) ^b	16.0	15.1	14.1	16.0	+1.9	18.8	16.4	17.8	20.7	+2.9ss	26.0	26.6	25.6	27.0	+1.4
Barbiturates	27.4	26.1	25.3	26.5	+1.2	38.0	38.8	38.3	38.8	+0.5	44.0	44.5	43.3	42.3	-1.0
Tranquilizers	22.9	21.4	20.4	21.3	+0.9	31.6	30.5	29.8	30.6	+0.8	40.9	41.1	39.2	37.8	-1.4
Cigarettes	77.8	75.5	76.1	76.4	+0.3	89.1	89.4	90.3	90.7	+0.4	—	—	—	—	—
Alcohol	76.2	73.9	74.5	74.9	+0.4	88.6	88.9	89.8	89.7	-0.1	—	—	—	—	—
Steroids	24.0	22.7	23.1	23.8	+0.7	37.6	33.6	33.6	34.8	+1.2	46.8	44.8	42.9	45.5	+2.6
	Approx. N = 8355 16775 16119 15496					7014 14652 15192 16209					2586 2670 2526 2552				

NOTES: Level of significance of difference between the two years: s =.05, ss =.01, sss =.001. '—' indicates data not available.
SOURCE: The 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: Data based on one of two forms; N is one-half of N indicated in 1993-1995.

TABLE 11

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

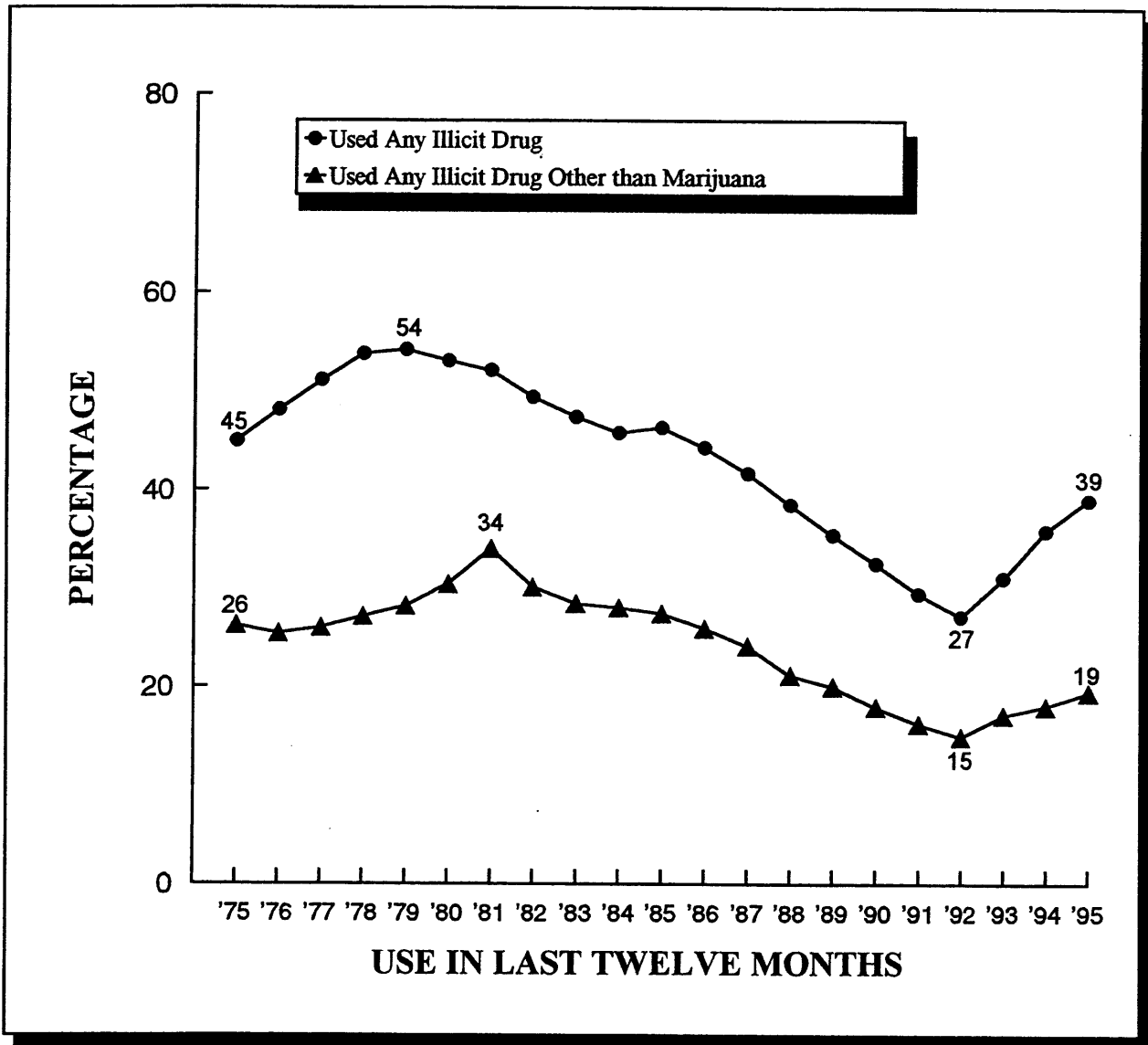
Q. <i>How difficult do you think it would be for you to get each of the following types of drugs, if you wanted some?</i>	Percent saying "fairly easy" or "very easy" to get ^a																						
	Class of 1975	Class of 1976	Class of 1977	Class of 1978	Class of 1979	Class of 1980	Class of 1981	Class 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	Class of 1994	Class of 1995	'94-'95 change	
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	85.5	88.5	+3.0 _{ss}	
Amyl & Butyl Nitrites	—	—	—	—	—	—	—	—	—	—	—	—	23.9	25.9	26.8	24.4	22.7	25.9	25.9	26.7	26.0	-0.7	
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	50.8	53.8	+3.0	
PCP	—	—	—	—	—	—	—	—	—	—	—	—	22.8	24.9	28.9	27.7	27.6	31.7	31.7	31.4	31.0	-0.4	
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	33.8	35.8	+2.0	
MDMA (ecstasy)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	22.0	22.1	24.2	28.1	31.2	34.2	+3.0	
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	46.6	47.7	+1.1	
Crack	—	—	—	—	—	—	—	—	—	—	—	—	41.1	42.1	47.0	42.4	39.9	43.5	43.6	40.5	41.9	+1.4	
Cocaine powder	—	—	—	—	—	—	—	—	—	—	—	—	52.9	50.3	53.7	49.0	46.0	48.0	45.4	43.7	43.8	+0.1	
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	34.1	35.1	+1.0	
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	38.0	39.8	+1.8	
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	62.0	62.8	+0.8	
Crystal meth. (ice)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.1	24.3	26.0	26.6	25.6	27.0	+1.4	
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	43.3	42.3	-1.0	
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	39.2	37.8	-1.4	
Steroids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46.7	46.8	44.8	42.9	45.5	+2.6	
	<i>Approx. N =</i>	2627	2865	3065	3598	3172	3240	3578	3602	3385	3269	3274	3077	3271	3231	2806	2549	2476	2586	2670	2526	2552	

NOTES: Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.
 SOURCE: The 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 drug" includes any use of marijuana, LSD, other hallucinogens, crack, other cocaine, or 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**

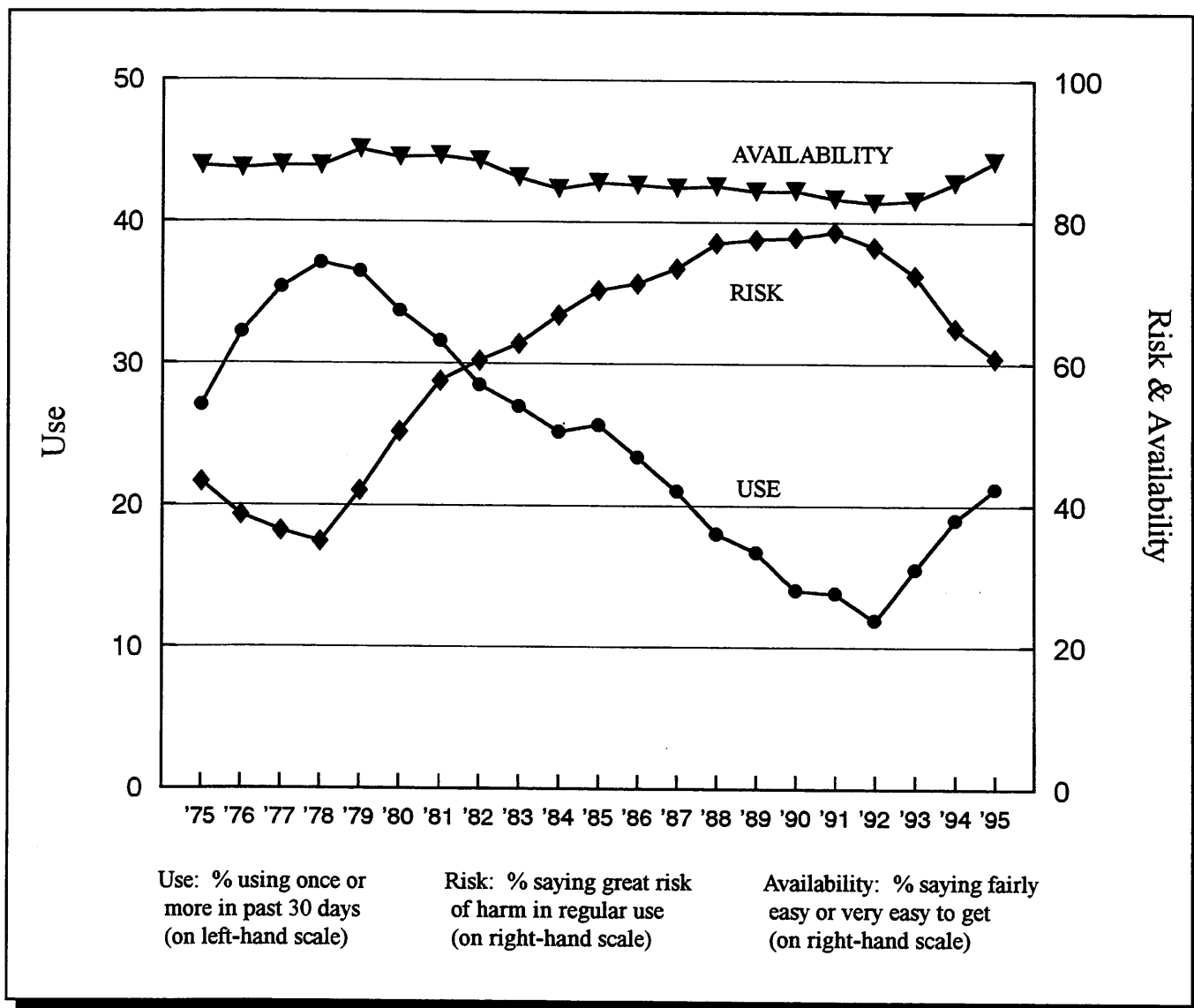
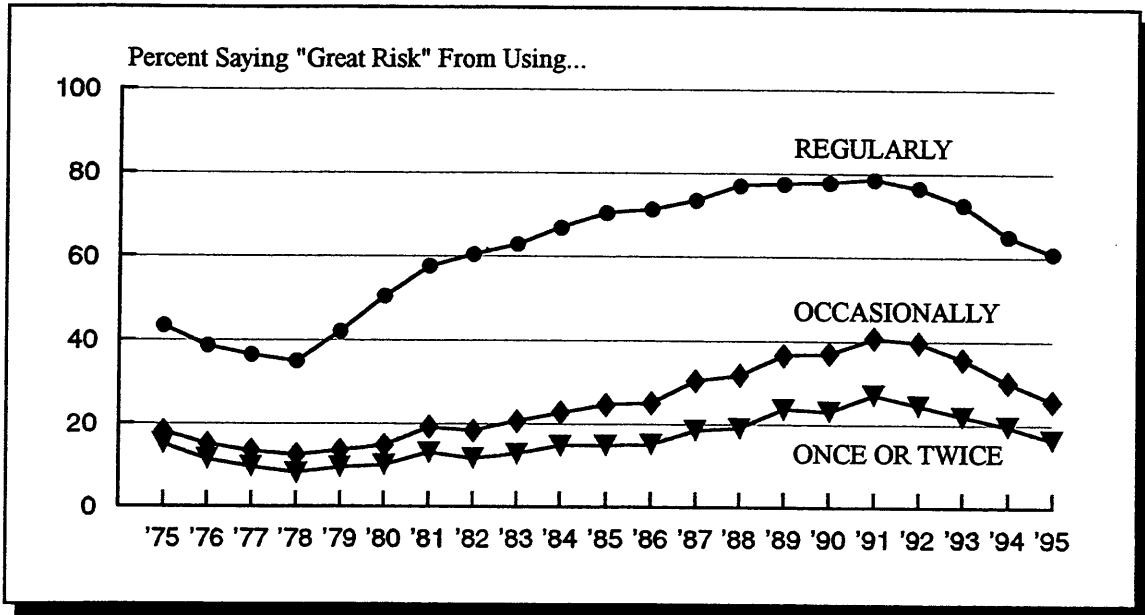
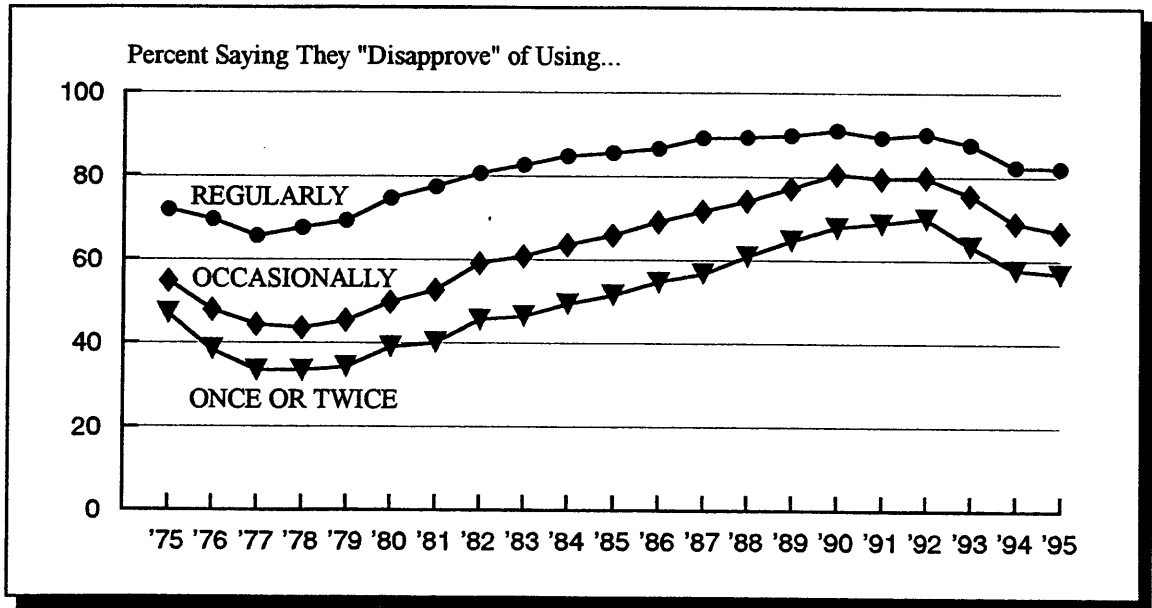


FIGURE 3

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



Perceived Harmfulness



Disapproval

FIGURE 4

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

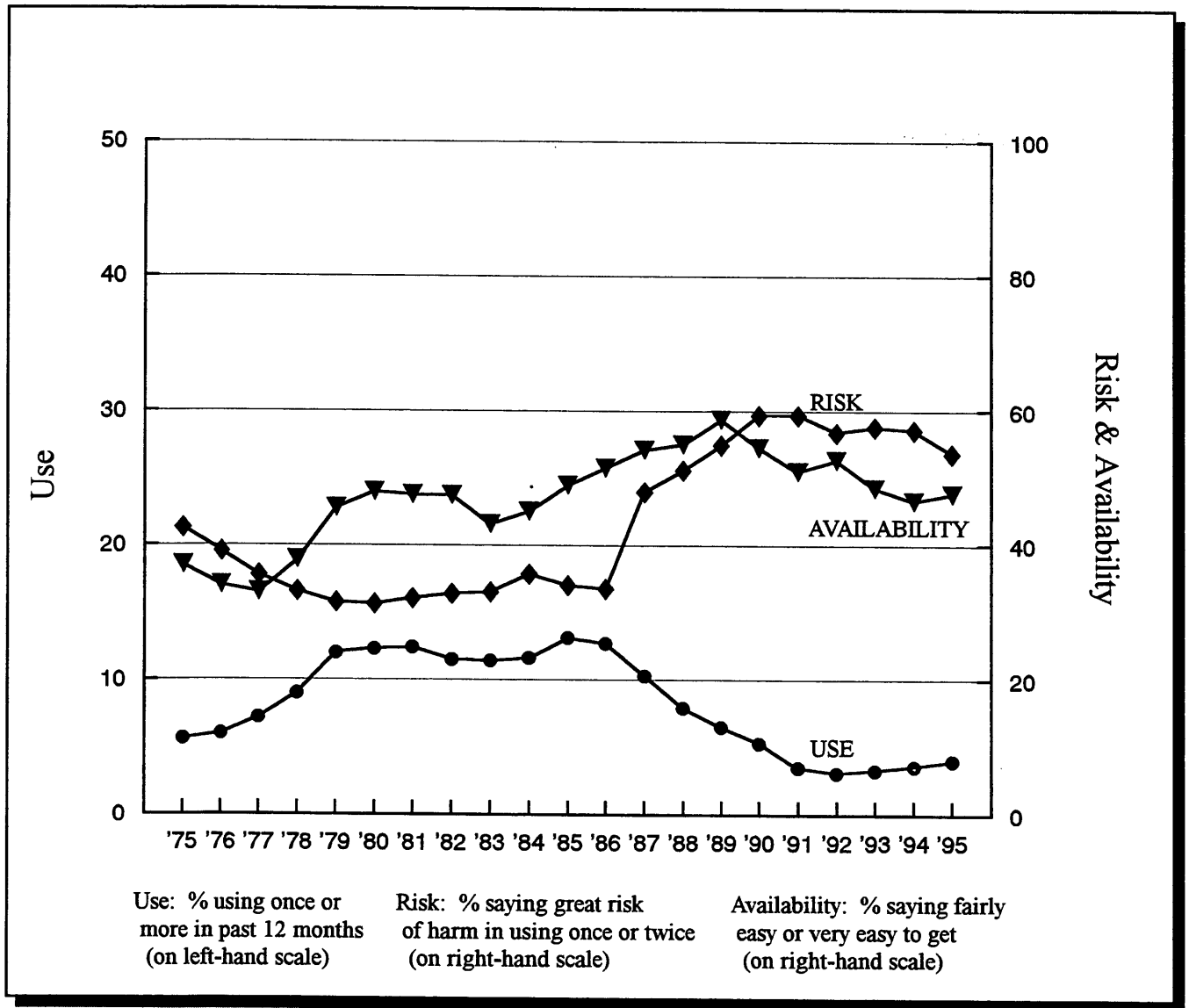
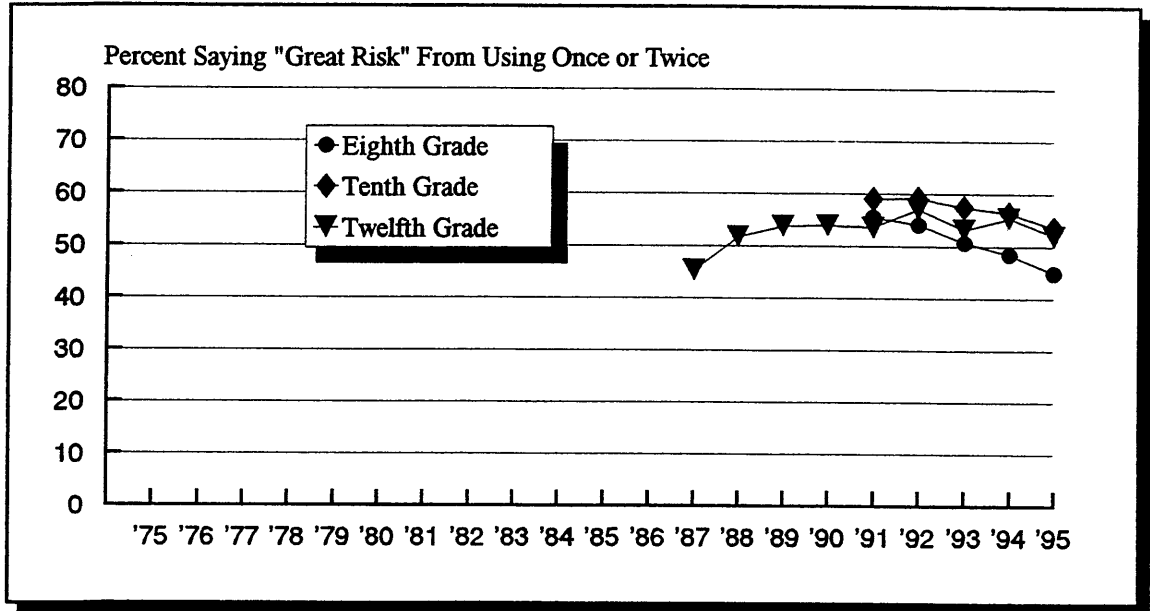
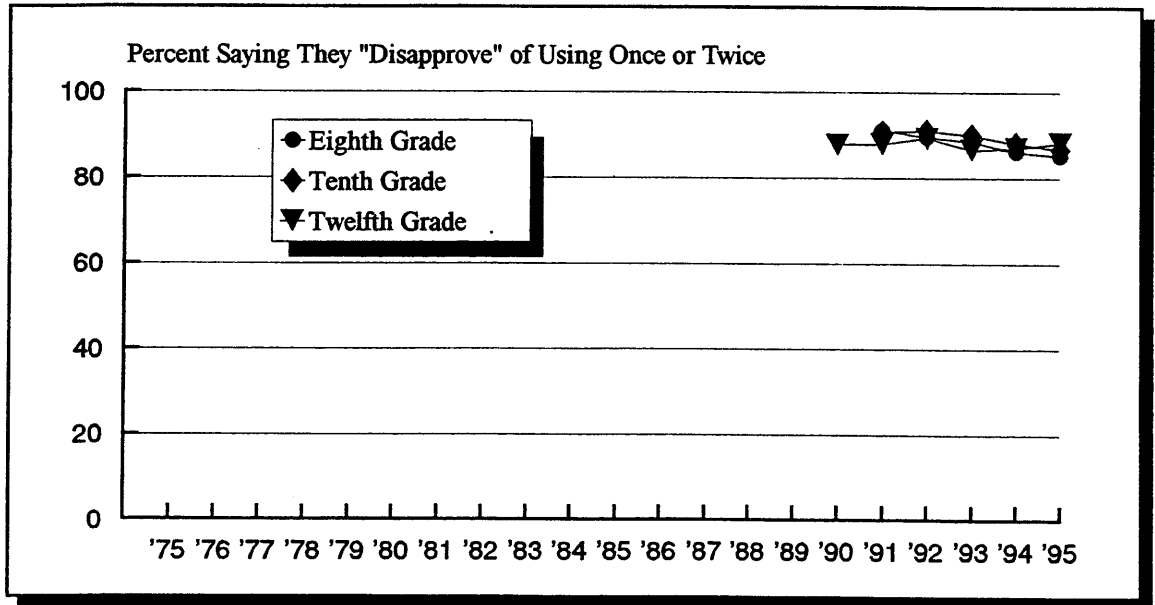


FIGURE 5

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



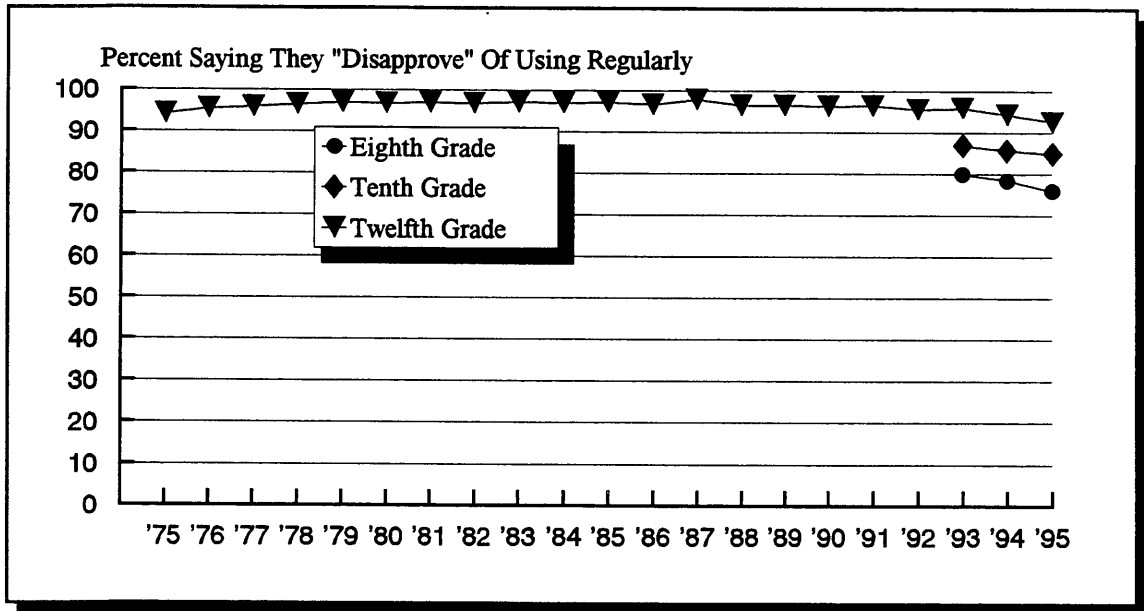
Perceived Harmfulness



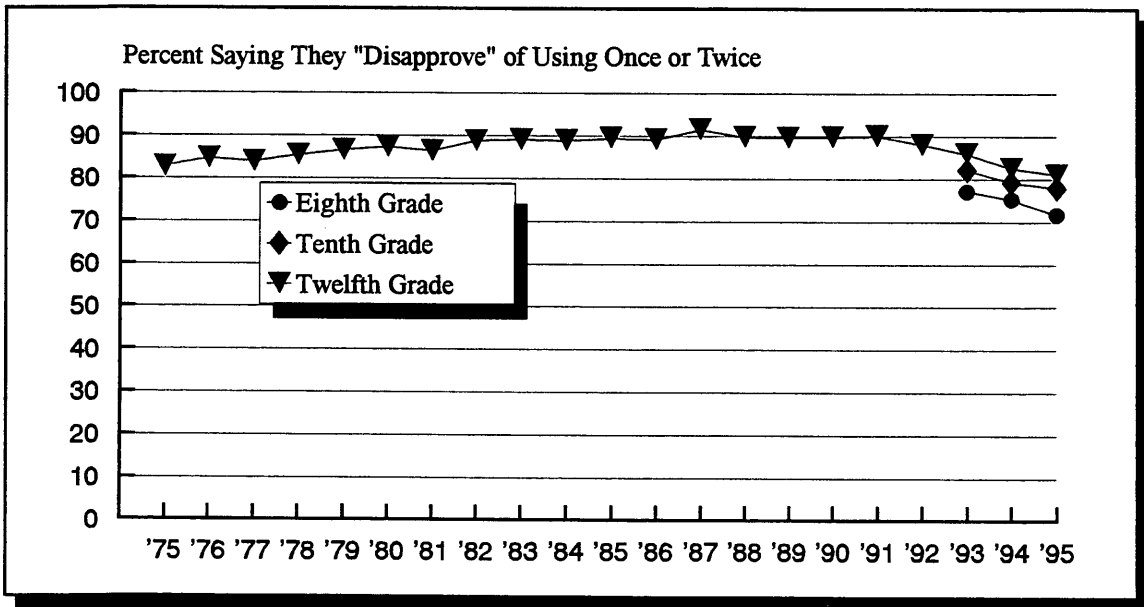
Disapproval

FIGURE 6

**Trends in Disapproval of LSD Use
for Eighth, Tenth, and Twelfth Graders**



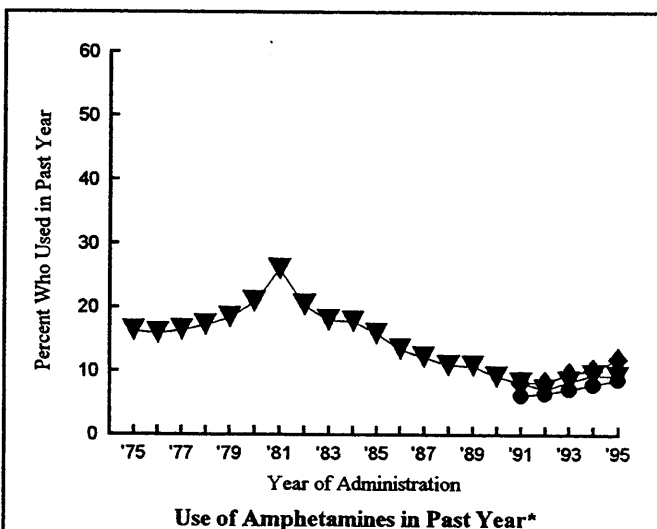
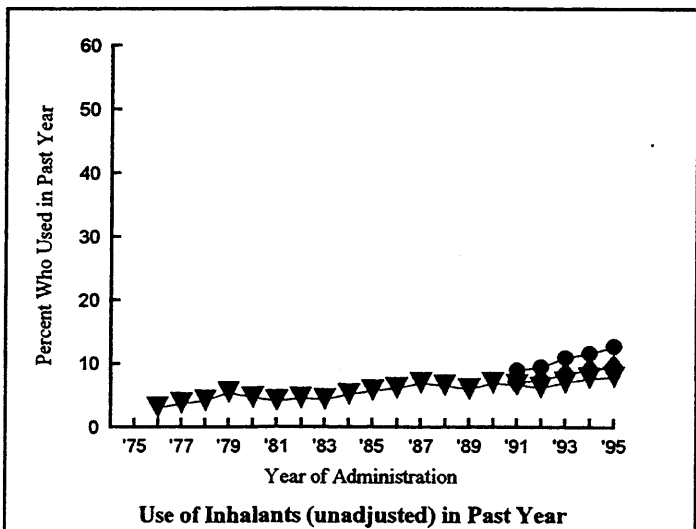
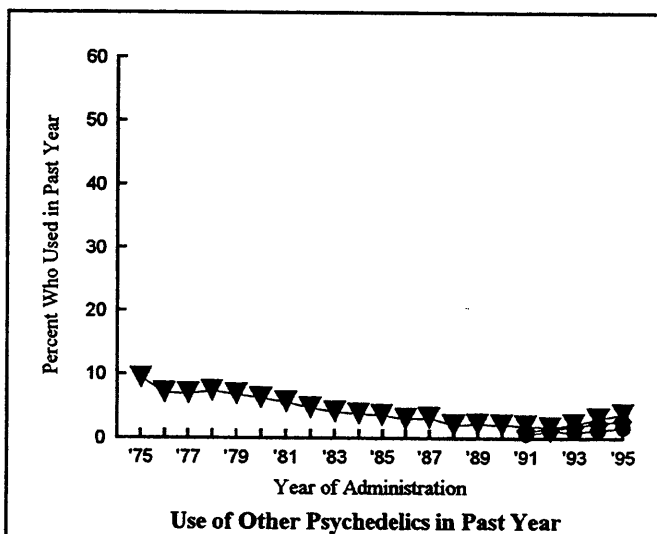
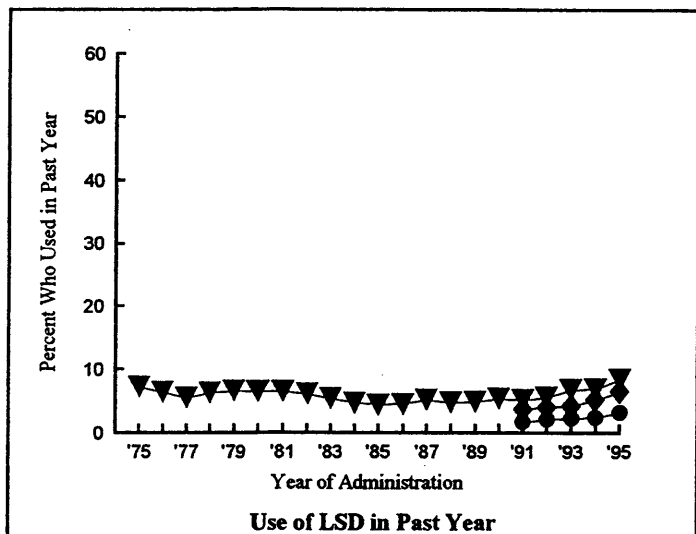
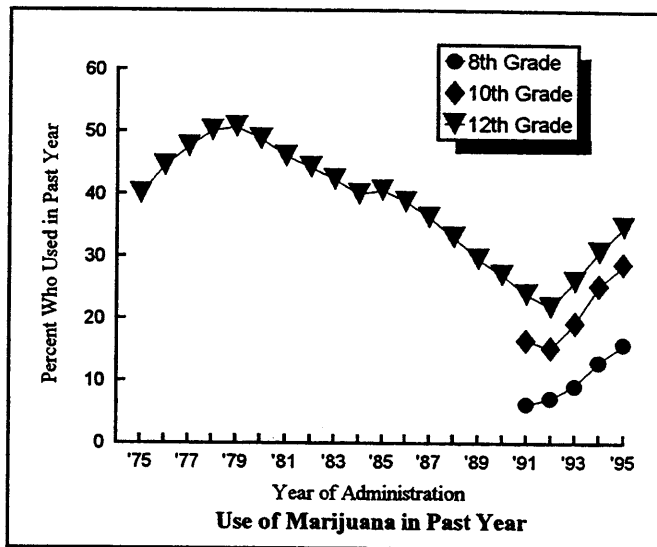
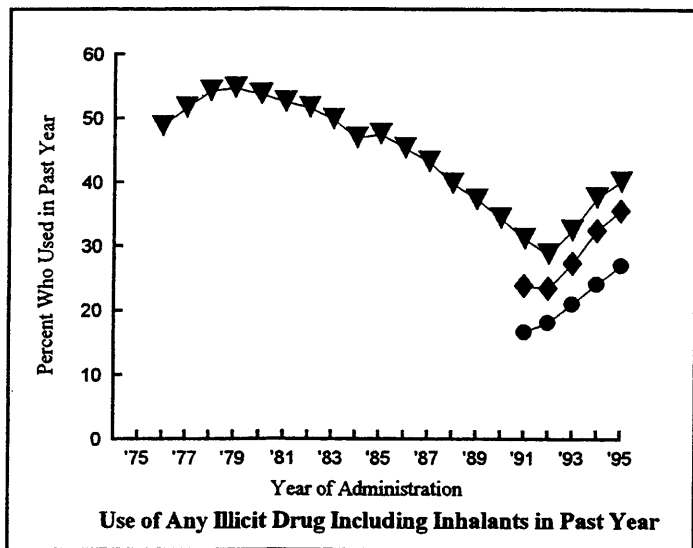
Disapproval of Regular Use



Disapproval of Using Once or Twice

FIGURE 7

Trends in Annual Use of Selected Drugs by Grade, 1975-1995



*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 8

Lifetime Use of Selected Drugs by Grade, 1995

