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Drug use continues to climb among American teen-agers, as attitudes and beliefs about the dangers of drugs soften, U-M survey says.

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EDITORS: Results of this survey will be released at a news conference on Dec. 12 at 11 a.m. at the Hubert H. Humphrey Building in Washington, D.C. Participating in the release of results will be Secretary of Health and Human Services Donna E. Shalala, Secretary of Education Richard W. Riley, Director of the Office of National Drug Control Policy Lee P. Brown, 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---Reporting on their 20th national survey of American high school seniors, and their fourth national survey of eighth- and 10th-grade students, scientists at the University of Michigan Institute for Social Research have found that illicit drug use among American secondary school students continued to rise in 1994.

Marijuana. The rise in illicit drug use, which began at least three years ago for eighth-graders and two years ago for the older students, has been particularly pronounced in the case of marijuana. Over the past two to three years, annual use of marijuana (any use during the 12 months prior

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to the survey) doubled among eighth-graders (to 13 percent), grew by two-thirds among 10th-graders (to 25 percent), and grew by two-fifths among 12th-graders (to 31 percent). In addition, active daily use of marijuana climbed by even larger proportions, reaching 3.6 percent among high school seniors in 1994---up by half from 1993 levels (See Table 1).

The study. The Monitoring the Future study, which is conducted at the U-M's Institute for Social Research under a series of research grants from the National Institute on Drug Abuse, has provided key measures of drug use among American young people since 1975. It tracked an expansion of the drug use epidemic into the late 1970s, a subsequent turnaround and substantial decline which lasted through 1991, and now a resurgence in use since 1991. It also has provided important evidence about what factors have driven these changes. The study is conducted by U-M social scientists Lloyd D. Johnston, Patrick M. O'Malley, and Jerald G. Bachman.

Other Drugs. While marijuana has had the most dramatic turnaround in the 1990s, a number of other illicitly used drugs have been rising gradually as well. These include LSD, other hallucinogens taken as a class, inhalants, stimulants, barbiturates, and this year, cocaine and crack. (See Table 1.)

The researchers note, however, that the increases in the use of these other drugs have been quite gradual and that many of the 1993-94 changes do not reach statistical significance, even though they continue a longer-term trend that is significant.

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"Despite substantial progress against illicit drug use in earlier years, it remains an appreciable problem among American young people," notes Johnston. "Over a third of all eighth-graders have used some illicit drug, including inhalants, while over 40 percent of all 10th-graders, and nearly 50 percent of all 12th-graders have done so. Furthermore, it is a problem which is getting worse at a fairly rapid pace."

Johnston believes that the rapid expansion in the numbers of students using marijuana increases the pool of young people who are willing to consider using other drugs, and that this helps to explain the rising proportions using them.

Inhalants. Johnston is also concerned about the gradual rise in inhalant use which has been occurring intermittently since the early 1980s, including the past two or three years. "Inhalant use is highest during early adolescence and, in addition to being quite a dangerous practice in its own right, can help establish an early pattern of using drugs to get high," observes Johnston. One in every five or six students at each grade level has tried an inhalant, but current use is highest among the eighth-graders. In fact, until the large increase in marijuana use this year, inhalants have constituted the most widely used class of drugs among eighth-graders.

"Because this class of volatile substances is comprised mostly of legal products found around the home, it has received less attention than it should." Johnston adds, "It has become an important part of the drug abuse problem,

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particularly among the country's younger adolescents."

Attitudes and Beliefs. Over the past 20 years, the U-M investigators have accumulated a substantial body of evidence that the likelihood of using a drug is directly affected by how dangerous students believe its use to be. "During the 1980s, increasing concern about the dangers of marijuana use seemed to drive the decline in use," Johnston states. "Fewer people initiated use, and more of the users quit, as the proportion of seniors seeing a great risk in regular use rose steadily, from 35 percent in 1978 to 79 percent in 1991." Since 1991, however, there has been a steady and accelerating decline in perceived risk, with only 65 percent now reporting a great risk associated with regular marijuana use.

In addition to the dangers associated with using drugs, the attitudes of peers also seem to be an important determinant of drug use. "Peer norms often appear to shift with changes in the perceived dangers of a drug, the most obvious case in recent years being the decline in the acceptability of cigarette smoking in the general population," adds Johnston. In the case of marijuana, the proportion of high school seniors who disapproved of even trying it rose dramatically between 1978 and 1992, from 33 percent to 70 percent. But then, a year after perceived risk began to decline in 1991, peer disapproval also began to fall, dropping from 70 percent in 1992 to 58 percent in 1994. "In other words," states Johnston, "the decline in perceived risk predicted the decline in peer norms as well as the increase in actual use, both of which began a year

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later." Among the eighth- and 10th-graders, the amount of risk perceived to be associated with marijuana use is also declining rapidly (See Table 6).

The proportions of students saying there is a "great risk" associated with the use of a number of drugs other than marijuana, including LSD, cocaine, and crack, have also been significantly declining. While some of these declines appeared to halt in 1994 among the seniors, they continued among the eighth- and 10th-graders (See Table 6.) Similarly, peer disapproval among eighth- and 10th-graders is continuing to decline with regard to LSD, cocaine, and crack. The great majority, however, still disapprove of the use of these drugs (See Table 8).

Indications for the Future. Asked to comment on what the future holds with regard to illicit drug use, Johnston states, "If the softening of attitudes and peer norms continues unabated, we can expect to see continued increases in drug use among our children. These factors proved critical in bringing about the downturn in use that began nearly 15 years ago [See Figures 2 and 4], and they are still critical to keeping drug use contained today.

"For the foreseeable future, American youngsters will be aware of the psychoactive potential of many drugs and, in general, will have relatively easy access to them. In the absence of reasons not to use, many are going to try them and a significant number will get into trouble with them.

"We need to be more aware of, and concerned about, the messages that are reaching young people with regard to drugs. Those in the media and entertainment industries have

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a particular responsibility to be more constructive in the messages and role models that they present to young people. Youngsters growing up today are getting considerably more mixed messages about drugs than those who grew up in the late 1980s, and their behavior reflects this. They are hearing much less about the dangers of drugs and seeing more glamorization of drug use."

Alcohol. Although there had been some earlier decline in alcohol use among high school seniors, in 1994 there was no decline at any grade level. In fact, while none of the changes was statistically significant, all three grades showed some upward drift in current drinking, binge drinking, and drunkenness (See Table 1). "Drinking rates remain high for American teen-agers," Johnston observes. "When we ask whether they have had five or more drinks in a row during the prior two-week period, one in seven eighth-graders say they have, nearly one in four 10th-graders, and more than one in every four 12th-graders. Further, much higher proportions are active drinkers at some level."

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The study, titled "Monitoring the Future," was 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 U-M's Institute for Social Research. In 1994, the sample of seniors comprised about 16,000 seniors in 139 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 1994 eighth-grade sample contained about 18,000 students in 150 schools, and the 10th-grade sample contained 16,000 students in 130 schools. In all, approximately 50,000 students in about 420 public and private secondary school are now surveyed annually.

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(HJohnston;ISR;JBachman;PO'Malley)  
(R1-3;ISR;Ed1,2A;Rtsp) [drugs]

**TABLE 1**

**Trends in Prevalence of Various Drugs for 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>1994</u>	<u>'93-'94 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>'93-'94 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>'93-'94 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>'93-'94 change</u>
<b>Any Illicit Drug<sup>a</sup></b>																				
8th Grade	18.7	20.6	22.5	25.7	+3.2ss	11.3	12.9	15.1	18.5	+3.4sss	5.7	6.8	8.4	10.9	+2.5sss	—	—	—	—	—
10th Grade	30.6	29.8	32.8	37.4	+4.6sss	21.4	20.4	24.7	30.0	+5.3sss	11.6	11.0	14.0	18.5	+4.5sss	—	—	—	—	—
12th Grade	44.1	40.7	42.9	45.6	+2.7ss	29.4	27.1	31.0	35.8	+4.8sss	16.4	14.4	18.3	21.9	+3.6sss	—	—	—	—	—
<b>Any Illicit Drug<sup>b</sup> Other Than Marijuana</b>																				
8th Grade	14.3	15.6	16.8	17.5	+0.7	8.4	9.3	10.4	11.3	+0.9	3.8	4.7	5.3	5.6	+0.3	—	—	—	—	—
10th Grade	19.1	19.2	20.9	21.7	+0.8	12.2	12.3	13.9	15.2	+1.3	5.5	5.7	6.5	7.1	+0.6	—	—	—	—	—
12th Grade	26.9	25.1	26.7	27.6	+0.9	16.2	14.9	17.1	18.0	+0.9	7.1	6.3	7.9	8.8	+0.9	—	—	—	—	—
<b>Any Illicit Drug<sup>c</sup> Including Inhalants</b>																				
8th Grade	28.5	29.6	32.3	35.1	+2.8ss	16.7	18.2	21.1	24.2	+3.1ss	8.8	10.0	12.0	14.3	+2.3ss	—	—	—	—	—
10th Grade	36.1	36.2	38.7	42.7	+4.0sss	23.9	23.5	27.4	32.5	+5.1sss	13.1	12.6	15.5	20.0	+4.5sss	—	—	—	—	—
12th Grade	47.6	44.4	46.6	49.1	+2.5s	31.2	28.8	32.5	37.6	+5.1sss	17.8	15.6	19.3	23.0	+3.7sss	—	—	—	—	—
<b>Marijuana/Hashish</b>																				
8th Grade	10.2	11.2	12.6	16.7	+4.1sss	6.2	7.2	9.2	13.0	+3.8sss	3.2	3.7	5.1	7.8	+2.7sss	0.2	0.2	0.4	0.7	+0.3ss
10th Grade	23.4	21.4	24.4	30.4	+6.0sss	16.5	15.2	19.2	25.2	+6.0sss	8.7	8.1	10.9	15.8	+4.9sss	0.8	0.8	1.0	2.2	+1.2sss
12th Grade	36.7	32.6	35.3	38.2	+2.9s	23.9	21.9	26.0	30.7	+4.7sss	13.8	11.9	15.5	19.0	+3.5sss	2.0	1.9	2.4	3.6	+1.2sss
<b>Inhalants<sup>d,e</sup></b>																				
8th Grade	17.6	17.4	19.4	19.9	+0.5	9.0	9.5	11.0	11.7	+0.7	4.4	4.7	5.4	5.6	+0.2	0.2	0.3	0.3	0.2	-0.1
10th Grade	15.7	16.6	17.5	18.0	+0.5	7.1	7.5	8.4	9.1	+0.7	2.7	2.7	3.3	3.6	+0.3	0.1	0.1	0.2	0.1	0.0
12th Grade	17.6	16.6	17.4	17.7	+0.3	6.6	6.2	7.0	7.7	+0.7	2.4	2.3	2.5	2.7	+0.2	0.2	0.1	0.1	0.1	-0.1
<b>Nitrites<sup>f</sup></b>																				
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	1.6	1.5	1.4	1.7	+0.3	0.9	0.5	0.9	1.1	+0.2	0.4	0.3	0.6	0.4	-0.2	0.2	0.1	0.1	0.2	+0.1
<b>Hallucinogens<sup>e</sup></b>																				
8th Grade	3.2	3.8	3.9	4.3	+0.4	1.9	2.5	2.6	2.7	+0.1	0.8	1.1	1.2	1.3	+0.1	0.1	0.1	0.1	0.1	0.0
10th Grade	6.1	6.4	6.8	8.1	+1.3s	4.0	4.3	4.7	5.8	+1.1s	1.6	1.8	1.9	2.4	+0.5	*	0.1	0.1	0.1	0.0
12th Grade	9.6	9.2	10.9	11.4	+0.5	5.8	5.9	7.4	7.6	+0.2	2.2	2.1	2.7	3.1	+0.4	0.1	0.1	0.1	0.1	0.0
<b>LSD</b>																				
8th Grade	2.7	3.2	3.5	3.7	+0.2	1.7	2.1	2.3	2.4	+0.1	0.6	0.9	1.0	1.1	+0.1	*	*	*	*	0.0
10th Grade	5.6	5.8	6.2	7.2	+1.0	3.7	4.0	4.2	5.2	+1.0s	1.5	1.6	1.6	2.0	+0.4	*	0.1	*	*	0.0
12th Grade	8.8	8.6	10.3	10.5	+0.2	5.2	5.6	6.8	6.9	+0.1	1.9	2.0	2.4	2.6	+0.2	0.1	0.1	0.1	0.1	0.0
<b>PCP<sup>f</sup></b>																				
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	2.9	2.4	2.9	2.8	-0.1	1.4	1.4	1.4	1.6	+0.2	0.5	0.6	1.0	0.7	-0.3	0.1	0.1	0.1	0.3	+0.1

(Table continued on next page)

**TABLE 1 (cont.)**

**Trends in Prevalence 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	'93-'94 change	1991	1992	1993	1994	'93-'94 change	1991	1992	1993	1994	'93-'94 change	1991	1992	1993	1994	'93-'94 change
Hallucinogens Other than LSD																				
8th Grade	1.4	1.7	1.7	2.2	+0.5ss	0.7	1.1	1.0	1.3	+0.3s	0.3	0.4	0.5	0.7	+0.2s	*	*	*	*	0.0
10th Grade	2.2	2.5	2.8	3.8	+1.0ss	1.3	1.4	1.9	2.4	+0.5s	0.4	0.5	0.7	1.0	+0.3s	*	*	*	*	0.0
12th Grade	3.7	3.3	3.9	4.9	+1.0s	2.0	1.7	2.2	3.1	+0.9ss	0.7	0.5	0.8	1.2	+0.4s	*	*	*	*	0.0
Cocaine																				
8th Grade	2.3	2.9	2.9	3.6	+0.7s	1.1	1.5	1.7	2.1	+0.4	0.5	0.7	0.7	1.0	+0.3s	0.1	*	0.1	0.1	0.0
10th Grade	4.1	3.3	3.6	4.3	+0.7s	2.2	1.9	2.1	2.8	+0.7ss	0.7	0.7	0.9	1.2	+0.3	0.1	*	0.1	0.1	0.0
12th Grade	7.8	6.1	6.1	5.9	-0.2	3.5	3.1	3.3	3.6	+0.3	1.4	1.3	1.3	1.5	+0.2	0.1	0.1	0.1	0.1	0.0
Crack																				
8th Grade	1.3	1.6	1.7	2.4	+0.7sss	0.7	0.9	1.0	1.3	+0.3s	0.3	0.5	0.4	0.7	+0.3ss	*	*	0.1	*	0.0
10th Grade	1.7	1.5	1.8	2.1	+0.3	0.9	0.9	1.1	1.4	+0.3s	0.3	0.4	0.5	0.6	+0.1	*	*	*	*	0.0
12th Grade	3.1	2.6	2.6	3.0	+0.4	1.5	1.5	1.5	1.9	+0.4	0.7	0.6	0.7	0.8	+0.1	0.1	0.1	0.1	0.1	0.0
Other Cocaine <sup>g</sup>																				
8th Grade	2.0	2.4	2.4	3.0	+0.6s	1.0	1.2	1.3	1.7	+0.4	0.5	0.5	0.6	0.9	+0.3s	*	*	*	*	0.0
10th Grade	3.8	3.0	3.3	3.8	+0.5	2.1	1.7	1.8	2.4	+0.6s	0.6	0.6	0.7	1.0	+0.3s	*	*	*	*	0.0
12th Grade	7.0	5.3	5.4	5.2	-0.2	3.2	2.6	2.9	3.0	+0.1	1.2	1.0	1.2	1.3	+0.1	0.1	*	0.1	0.1	0.0
Heroin																				
8th Grade	1.2	1.4	1.4	2.0	+0.6sss	0.7	0.7	0.7	1.2	+0.5sss	0.3	0.4	0.4	0.6	+0.2s	*	*	*	0.1	0.0
10th Grade	1.2	1.2	1.3	1.5	+0.2	0.5	0.6	0.7	0.9	+0.2	0.2	0.2	0.3	0.4	+0.1	*	*	*	*	0.0
12th Grade	0.9	1.2	1.1	1.2	+0.1	0.4	0.6	0.5	0.6	+0.1	0.2	0.3	0.2	0.3	+0.1	*	*	*	*	0.0
Other Opiates																				
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	6.6	6.1	6.4	6.6	+0.2	3.5	3.3	3.6	3.8	+0.2	1.1	1.2	1.3	1.5	+0.2	0.1	*	*	0.1	0.0
Stimulants																				
8th Grade	10.5	10.8	11.8	12.3	+0.5	6.2	6.5	7.2	7.9	+0.7	2.6	3.3	3.6	3.6	0.0	0.1	0.1	0.1	0.1	0.0
10th Grade	13.2	13.1	14.9	15.1	+0.2	8.2	8.2	9.6	10.2	+0.6	3.3	3.6	4.3	4.5	+0.2	0.1	0.1	0.3	0.1	-0.2
12th Grade	15.4	13.9	15.1	15.7	+0.6	8.2	7.1	8.4	9.4	+1.0	3.2	2.8	3.7	4.0	+0.3	0.2	0.2	0.2	0.2	0.0
Ice <sup>h</sup>																				
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	3.3	2.9	3.1	3.4	+0.3	1.4	1.3	1.7	1.8	+0.1	0.6	0.5	0.6	0.7	+0.1	0.1	0.1	0.1	*	0.0
Barbiturates																				
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12th Grade	6.2	5.5	6.3	7.0	+0.7	3.4	2.8	3.4	4.1	+0.7s	1.4	1.1	1.3	1.7	+0.4s	0.1	*	0.1	*	0.0

(Table continued on next page)



**TABLE 1 (cont.)**

**Trends in Prevalence of Various Drugs for 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>1994</u>	<u>'93-'94 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>'93-'94 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>'93-'94 change</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>'93-'94 change</u>
Tranquilizers																				
8th Grade	3.8	4.1	4.4	4.6	+0.2	1.8	2.0	2.1	2.4	+0.3	0.8	0.8	0.9	1.1	+0.2	*	*	0.1	0.1	0.0
10th Grade	5.8	5.9	5.7	5.4	-0.3	3.2	3.5	3.3	3.3	0.0	1.2	1.5	1.1	1.5	+0.4s	*	*	*	*	0.0
12th Grade	7.2	6.0	6.4	6.6	+0.2	3.6	2.8	3.5	3.7	+0.2	1.4	1.0	1.2	1.4	+0.2	0.1	*	*	0.1	0.0
Alcohol <sup>i</sup>																				
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	—	+0.1	72.3	70.2	69.3	—	+1.4	42.8	39.9	41.5	—	+1.2	1.3	1.2	1.6	1.0	0.0
12th Grade	88.0	87.5	87.0	—	-0.5	77.7	76.8	76.0	—	+0.5	54.0	51.3	51.0	—	+1.0	3.6	3.4	1.8	1.7	-0.1
80.0			80.0	80.4	+0.4			72.7	73.0	+0.3			48.6	50.1	+1.5			3.4	2.9	-0.5
5+ drinks in last 2 weeks																				
8th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.9	13.4	13.5	14.5	+1.0
10th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.9	21.1	23.0	23.6	+0.6
12th Grade	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	29.8	27.9	27.5	28.2	+0.7
Been Drunk <sup>h</sup>																				
8th Grade	26.7	26.8	26.4	25.9	-0.5	17.5	18.3	18.2	18.2	0.0	7.6	7.5	7.8	8.7	+0.9	0.1	0.1	0.2	0.3	+0.1
10th Grade	50.0	47.7	47.9	47.2	-0.7	40.1	37.0	37.8	38.0	+0.2	20.5	18.1	19.8	20.3	+0.5	0.2	0.3	0.4	0.4	0.0
12th Grade	65.4	63.4	62.5	62.9	+0.4	52.7	50.3	49.6	51.7	+2.1	31.6	29.9	28.9	30.8	+1.9	0.9	0.8	0.9	1.2	+0.3
Steroids <sup>j</sup>																				
8th Grade	1.9	1.7	1.6	2.0	+0.4ss	1.0	1.1	0.9	1.2	+0.3ss	0.4	0.5	0.5	0.5	0.0	*	*	0.1	*	-0.1
10th Grade	1.8	1.7	1.7	1.8	+0.1	1.1	1.1	1.0	1.1	+0.1	0.6	0.6	0.5	0.6	+0.1	0.1	*	*	0.1	0.0
12th Grade	2.1	2.1	2.0	2.4	+0.4	1.4	1.1	1.2	1.3	+0.1	0.8	0.6	0.7	0.9	+0.2	0.1	0.1	0.1	0.4	+0.3

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.

Approx. N: 8th Grade = 17,500 in 1991; 18,600 in 1992; 18,300 in 1993; 17,300 in 1994  
10th Grade = 14,800 in 1991; 14,800 in 1992; 15,300 in 1993; 15,800 in 1994  
12th Grade = 15,000 in 1991; 15,800 in 1992; 16,300 in 1993; 15,400 in 1994

<sup>a</sup>For 12th graders: Use of "any illicit drugs" includes any use of marijuana, hallucinogens, 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).

<sup>b</sup>For 12th graders: Use of "other illicit drugs" includes any use of hallucinogens, cocaine, 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).

<sup>c</sup>For 12th graders: Use of "any illicit drugs, including inhalants" includes any use of marijuana, inhalants, hallucinogens, cocaine (powder or crack), or heroin, or any use of opiates other than heroin, 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).

<sup>d</sup>For 12th graders: Data based on five questionnaire forms; N is five-sixths of N indicated.

<sup>e</sup>Inhalants are unadjusted for underreporting of amyl and butyl nitrites; hallucinogens are unadjusted for underreporting of PCP.

<sup>f</sup>For 12th graders: Data based on a single questionnaire form; N is one-sixth of N indicated.

<sup>g</sup>For 12th graders: Data based on four questionnaire forms; N is two-thirds of N indicated.

<sup>h</sup>For 12th graders: Data based on two questionnaire forms; N is one-third of N indicated.

<sup>i</sup>For 8th, 10th, and 12th graders: In 1993, the question text was changed slightly in one-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 questionnaire forms for the 8th and 10th graders and on three of six questionnaire forms for the 12th graders; N is one-half of N indicated for all groups. In 1994, data were based on all forms for all grades.

<sup>j</sup>For 12th graders: Data based on two questionnaire forms; N is one-third of N indicated. For 8th and 10th graders: Data based on one questionnaire form; 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																				'93-'94 change
	Class of <u>1975</u>	Class of <u>1976</u>	Class of <u>1977</u>	Class of <u>1978</u>	Class of <u>1979</u>	Class of <u>1980</u>	Class of <u>1981</u>	Class of <u>1982</u>	Class of <u>1983</u>	Class of <u>1984</u>	Class of <u>1985</u>	Class of <u>1986</u>	Class of <u>1987</u>	Class of <u>1988</u>	Class of <u>1989</u>	Class of <u>1990</u>	Class of <u>1991</u>	Class of <u>1992</u>	Class of <u>1993</u>	Class of <u>1994</u>	
<i>Approx. N =</i>	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	16300	15400	
<i>Any Illicit Drug<sup>a,b</sup></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	+2.7 <sub>ss</sub>
<i>Any Illicit Drug Other Than Marijuana<sup>b,c</sup></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	+0.9
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	38.2	+2.9 <sub>s</sub>
Inhalants <sup>d</sup>	—	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	+0.3
<i>Inhalants, Adjusted<sup>d,e</sup></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	+0.6
<i>Amyl &amp; Butyl Nitrites<sup>f,g</sup></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	+0.3
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	11.4	+0.5
<i>Hallucinogens, Adjusted<sup>h</sup></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	+0.4
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	10.5	+0.2
PCP <sup>f,g</sup>	—	—	—	—	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	-0.1
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	5.9	-0.2
Crack <sup>i</sup>	—	—	—	—	—	—	—	—	—	—	—	—	5.4	4.8	4.7	3.5	3.1	2.6	2.6	3.0	+0.4
Other Cocaine <sup>j</sup>	—	—	—	—	—	—	—	—	—	—	—	—	14.0	12.1	8.5	8.6	7.0	5.3	5.4	5.2	-0.2
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	1.2	+0.1
Other Opiates <sup>k</sup>	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	+0.2
Stimulants <sup>b,k</sup>	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	+0.6
Crystal Meth. (Ice) <sup>l</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.7	3.3	2.9	3.1	3.4	+0.3
Sedatives <sup>k,m</sup>	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	+0.9
Barbiturates <sup>k</sup>	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	+0.7
Methaqualone <sup>k,n</sup>	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	+0.6
Tranquilizers <sup>k</sup>	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	+0.2
Alcohol <sup>o</sup>	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	+0.4
Been Drunk <sup>l</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.4	63.4	62.5	62.9	+0.4
Steroids <sup>l</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.0	2.9	2.1	2.1	2.0	2.4	+0.4

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

- <sup>a</sup>Use of "any illicit drugs" includes any use of marijuana, hallucinogens, cocaine, or heroin, or any use of other opiates, stimulants, barbiturates, methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.
- <sup>b</sup>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.
- <sup>c</sup>Use of "other illicit drugs" includes any use of hallucinogens, cocaine, or heroin, or any use of other opiates, stimulants, barbiturates, methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.
- <sup>d</sup>Data based on four questionnaire forms in 1976-1988; N is four-fifths of N indicated. Data based on five questionnaire forms in 1989-1994; N is five-sixths of N indicated.
- <sup>e</sup>Adjusted for underreporting of amyl and butyl nitrites. See text for details.
- <sup>f</sup>Data based on a single questionnaire form; N is one-fifth of N indicated in 1979-1988 and one-sixth of N indicated in 1989-1994.
- <sup>g</sup>Question text changed slightly in 1987.
- <sup>h</sup>Adjusted for underreporting of PCP. See text for details.
- <sup>i</sup>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 1990-1994.
- <sup>j</sup>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 1990-1994; N is four-sixths of N indicated.
- <sup>k</sup>Only drug use which was not under a doctor's orders is included here.
- <sup>l</sup>Data based on two questionnaire forms; N is two-sixths of N indicated. Steroid data based on a single questionnaire form in 1989-1990; N is one-sixth of N indicated in 1989-1990.
- <sup>m</sup>Data based on five questionnaire forms in 1975-1988, six questionnaire forms in 1989, one questionnaire form in 1990 (N is one-sixth of N indicated in 1990), and six questionnaire forms of data adjusted by one-form data beginning in 1991.
- <sup>n</sup>Data based on five questionnaire forms in 1975-1988, six questionnaire forms in 1989, one questionnaire form in 1990-1994; N is one-sixth of N indicated in 1990-1994.
- <sup>o</sup>Data based on five questionnaire forms in 1975-1988, six questionnaire forms in 1989-1992, three of six questionnaire forms in 1993 (N is one-half of N indicated in 1993), and six questionnaire forms in 1994. In 1993, the question text was changed slightly in three forms to indicate that a "drink" meant "more than a few sips." The data in the upper line came from forms using the original wording, while the data in the lower line came from forms using the revised wording.

**TABLE 3**

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

	Percent who used in last twelve months																				'93-'94 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	
<i>Approx. N =</i>	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	16300	15400	
<i>Any Illicit Drug</i> <sup>a,b</sup>	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	+4.8sss
<i>Any Illicit Drug Other Than Marijuana</i> <sup>b,c</sup>	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	+0.9
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	+4.7sss
Inhalants <sup>d</sup>	—	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	+0.7
<i>Inhalants, Adjusted</i> <sup>d,e</sup>	—	—	—	—	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	+0.8
Amyl/Butyl Nitrites <sup>f,g</sup>	—	—	—	—	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	+0.2
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	+0.2
<i>Hallucinogens, Adjusted</i> <sup>h</sup>	7.2	—	—	—	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	0.0
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	+0.1
PCP <sup>f,g</sup>	—	—	—	—	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	+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	+0.3
Crack <sup>i</sup>	—	—	—	—	—	—	—	—	—	—	—	4.1	3.9	3.1	3.1	1.9	1.5	1.5	1.5	1.9	+0.4
Other Cocaine <sup>j</sup>	—	—	—	—	—	—	—	—	—	—	—	—	9.8	7.4	5.2	4.6	3.2	2.6	2.9	3.0	+0.1
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	0.6	+0.1
Other Opiates <sup>k</sup>	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	+0.2
Stimulants <sup>b,k</sup>	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	+1.0
Crystal Meth. (Ice) <sup>l</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.3	1.4	1.3	1.7	1.8	+0.1
Sedatives <sup>k,m</sup>	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	+0.8s
Barbiturates <sup>k</sup>	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	+0.7s
Methaqualone <sup>k,n</sup>	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	+0.6s
Tranquilizers <sup>k</sup>	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	+0.2
Alcohol <sup>o</sup>	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	+0.3
Been Drunk <sup>l</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.7	50.3	49.6	51.7	+2.1
Steroids <sup>l</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.9	1.7	1.4	1.1	1.2	1.3	+0.1

NOTES: Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. 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 Various Types of Drugs for Twelfth Graders**

	Percent who used in last thirty days																				'93-'94 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	
<i>Approx. N =</i>	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	16300	15400	
<i>Any Illicit Drug</i> <sup>a,b</sup>	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	+3.6sss
<i>Any Illicit Drug Other Than Marijuana</i> <sup>b,c</sup>	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	+0.9
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	+3.5sss
Inhalants <sup>d</sup>	—	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	+0.2
<i>Inhalants, Adjusted</i> <sup>d,e</sup>	—	—	—	—	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	+0.1
Amyl/Butyl Nitrites <sup>f,g</sup>	—	—	—	—	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	-0.2
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	+0.4
<i>Hallucinogens, Adjusted</i> <sup>h</sup>	—	—	—	—	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	-0.1
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	+0.2
PCP <sup>f,g</sup>	—	—	—	—	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	-0.3
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	+0.2
Crack <sup>i</sup>	—	—	—	—	—	—	—	—	—	—	—	—	1.3	1.6	1.4	0.7	0.7	0.6	0.7	0.8	+0.1
Other Cocaine <sup>j</sup>	—	—	—	—	—	—	—	—	—	—	—	—	4.1	3.2	1.9	1.7	1.2	1.0	1.2	1.3	+0.1
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	0.3	+0.1
Other Opiates <sup>k</sup>	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	+0.2
Stimulants <sup>b,k</sup>	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	+0.3
Crystal Meth. (Ice) <sup>l</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.6	0.6	0.5	0.6	0.7	+0.1
Sedatives <sup>k,m</sup>	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	+0.5s
Barbiturates <sup>k</sup>	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	+0.4s
Methaqualone <sup>k,n</sup>	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	+0.3
Tranquilizers <sup>k</sup>	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	+0.2
Alcohol <sup>o</sup>	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	+1.5
Been Drunk <sup>l</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.6	29.9	28.9	30.8	+1.9
Steroids <sup>l</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.8	1.0	0.8	0.6	0.7	0.9	+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																				'93-'94 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		
<i>Approx. N =</i>	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	16300	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	+1.2sss	
Inhalants <sup>d</sup>	—	*	*	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
<i>Inhalants, Adjusted<sup>d,e</sup></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 <sup>f,g</sup>	—	—	—	—	*	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	0.1	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	0.0
<i>Hallucinogens, Adjusted<sup>h</sup></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	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 <sup>f,g</sup>	—	—	—	—	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	0.3	+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	0.1	0.0
Crack <sup>i</sup>	—	—	—	—	—	—	—	—	—	—	—	—	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Other Cocaine <sup>j</sup>	—	—	—	—	—	—	—	—	—	—	—	—	0.2	0.2	0.1	0.1	0.1	*	0.1	0.1	0.1	0.0
Heroin	0.1	*	*	*	*	*	*	*	0.1	*	*	*	*	*	0.1	*	*	*	*	*	*	0.0
Other Opiates <sup>k</sup>	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	0.0	
Stimulants <sup>b,k</sup>	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	0.0
Crystal Meth. (Ice) <sup>l</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.1	0.1	0.1	0.1	*	0.0	
Sedatives <sup>k,m</sup>	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 <sup>k</sup>	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 <sup>k,n</sup>	*	*	*	*	*	0.1	0.1	0.1	*	*	*	*	*	0.1	*	*	*	0.1	0.0	0.1	+0.1	
Tranquilizers <sup>k</sup>	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 <sup>o</sup>	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 <sup>l</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.9	0.8	0.9	1.2	+0.3
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	28.2	+0.7	
Steroids <sup>l</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.1	0.2	0.1	0.1	0.1	0.1	0.4	+0.3

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, 1991–1994**

Q. <i>How much do you think people risk harming themselves (physically or in other ways), if they . . .</i>	Percentage saying "great risk" <sup>a</sup>														
	<u>8th Grade</u>					<u>10th Grade</u>					<u>12th Grade</u>				
	1991	1992	1993	1994	'93-'94 change	1991	1992	1993	1994	'93-'94 change	1991	1992	1993	1994	'93-'94 change
Try marijuana once or twice	40.4	39.1	36.2	31.6	-4.6sss	30.0	31.9	29.7	24.4	-5.3sss	27.1	24.5	21.9	19.5	-2.4
Smoke marijuana occasionally	57.9	56.3	53.8	48.6	-5.2sss	48.6	48.9	46.1	38.9	-7.2sss	40.6	39.6	35.6	30.1	-5.5sss
Smoke marijuana regularly	83.8	82.0	79.6	74.3	-5.3sss	82.1	81.1	78.5	71.3	-7.2sss	78.6	76.5	72.5	65.0	-7.5sss
Try inhalants once or twice	35.9	37.0	36.5	37.9	+1.4	37.8	38.7	40.9	42.7	+1.8s	—	—	—	—	—
Try inhalants regularly	65.6	64.4	64.6	65.5	+0.9	69.8	67.9	69.6	71.5	+1.9s	—	—	—	—	—
Take LSD once or twice <sup>b</sup>	—	—	42.1	38.3	-3.8ss	—	—	48.7	46.5	-2.2	46.6	42.3	39.5	38.8	-0.7
Take LSD regularly <sup>b</sup>	—	—	68.3	65.8	-2.5	—	—	78.9	75.9	-3.0ss	84.3	81.8	79.4	79.1	-0.3
Try crack once or twice	62.8	61.2	57.2	54.4	-2.8ss	70.4	69.6	66.6	64.7	-1.9s	60.6	62.4	57.6	58.4	+0.8
Take crack occasionally	82.2	79.6	76.8	74.4	-2.4s	87.4	86.4	84.4	83.1	-1.3	76.5	76.3	73.9	73.8	-0.1
Try cocaine powder once or twice	55.5	54.1	50.7	48.4	-2.3ss	59.1	59.2	57.5	56.4	-1.1	53.6	57.1	53.2	55.4	+2.2
Take cocaine powder occasionally	77.0	74.3	71.8	69.1	-2.7s	82.2	80.1	79.1	77.8	-1.3	69.8	70.8	68.6	70.6	+2.0
Try one or two drinks of an alcoholic beverage (beer, wine, liquor)	11.0	12.1	12.4	11.6	-0.8	9.0	10.1	10.9	9.4	-1.5ss	9.1	8.6	8.2	7.6	-0.6
Take one or two drinks nearly every day	31.8	32.4	32.6	29.9	-2.7ss	36.1	36.8	35.9	32.5	-3.4sss	32.7	30.6	28.2	27.0	-1.2
Have five or more drinks once or twice each weekend	59.1	58.0	57.7	54.7	-3.0ss	54.7	55.9	54.9	52.9	-2.0s	48.6	49.0	48.3	46.5	-1.8
Take steroids <sup>b</sup>	64.2	69.5	70.2	67.6	-2.6	67.1	72.7	73.4	72.5	-0.9	65.6	70.7	69.1	66.1	-3.0
<i>Approx. N =</i>	<i>17437</i>	<i>18662</i>	<i>18366</i>	<i>17394</i>		<i>14719</i>	<i>14808</i>	<i>15298</i>	<i>15880</i>		<i>2549</i>	<i>2684</i>	<i>2759</i>	<i>2591</i>	

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.

<sup>a</sup>Answer alternatives were: (1) No risk, (2) Slight risk, (3) Moderate risk, (4) Great risk, (5) Can't say, drug unfamiliar.

<sup>b</sup>8th and 10th grade: Data based on a single questionnaire form. N is one-half of 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" <sup>a</sup>																				'93-'94 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		
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	-2.4	
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	-5.5sss	
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	-7.5sss	
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	-0.7	
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	-0.3	
Try PCP once or twice	—	—	—	—	—	—	—	—	—	—	—	—	55.6	58.8	56.6	55.2	51.7	54.8	50.8	51.5	+0.7	
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	-0.4	
Take cocaine occasionally	—	—	—	—	—	—	—	—	—	—	—	—	54.2	66.8	69.2	71.8	73.9	75.5	75.1	73.3	73.7	+0.4
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	-0.8	
Try crack once or twice	—	—	—	—	—	—	—	—	—	—	—	—	57.0	62.1	62.9	64.3	60.6	62.4	57.6	58.4	+0.8	
Take crack occasionally	—	—	—	—	—	—	—	—	—	—	—	—	70.4	73.2	75.3	80.4	76.5	73.9	73.8	73.8	-0.1	
Take crack regularly	—	—	—	—	—	—	—	—	—	—	—	—	84.6	84.8	85.6	91.6	90.1	89.3	87.5	89.6	+2.1	
Try cocaine powder once or twice	—	—	—	—	—	—	—	—	—	—	—	—	45.3	51.7	53.8	53.9	53.6	57.1	53.2	55.4	+2.2	
Take cocaine powder occasionally	—	—	—	—	—	—	—	—	—	—	—	—	56.8	61.9	65.8	71.1	69.8	70.8	68.6	70.6	+2.0	
Take cocaine powder regularly	—	—	—	—	—	—	—	—	—	—	—	—	81.4	82.9	83.9	90.2	88.9	88.4	87.0	88.6	+1.6	
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	+2.1	
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	+0.1	
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	-0.3	
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	+0.1	
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	-2.9	
Try crystal meth. (ice) once or twice	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61.6	61.9	57.5	58.3	+0.8	
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	+0.7	
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	-2.8	
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	-0.6	
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	-1.2	
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	-1.6	
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	-1.8	
Take steroids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	63.8	69.9	65.6	70.7	69.1	66.1	-3.0	
<i>Approx. N =</i>	2804	2918	3052	3770	3250	3234	3604	3557	3305	3262	3250	3020	3315	3276	2796	2553	2549	2684	2759	2591		

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.

<sup>a</sup>Answer 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, 1991-1994**

Q. Do you disapprove of people who . . .	Percent who "disapprove" or "strongly disapprove" <sup>a</sup>														
	8th Grade					10th Grade					12th Grade <sup>b</sup>				
	1991	1992	1993	1994	'93-'94 change	1991	1992	1993	1994	'93-'94 change	1991	1992	1993	1994	'93-'94 change
Try marijuana once or twice	84.6	82.1	79.2	72.9	-6.3sss	74.6	74.8	70.3	62.4	-7.9sss	68.7	69.9	63.3	57.6	-5.7ss
Smoke marijuana occasionally	89.5	88.1	85.7	80.9	-4.8sss	83.7	83.6	79.4	72.3	-7.1sss	79.4	79.7	75.5	68.9	-6.6sss
Smoke marijuana regularly	92.1	90.8	88.9	85.3	-3.6sss	90.4	90.0	87.4	82.2	-5.2sss	89.3	90.1	87.6	82.3	-5.3sss
Try inhalants once or twice	84.9	84.0	82.5	81.6	-0.9	85.2	85.6	84.8	84.9	+0.1	—	—	—	—	—
Take inhalants regularly	90.6	90.0	88.9	88.1	-0.8	91.0	91.5	90.9	91.0	+0.1	—	—	—	—	—
Try LSD once or twice <sup>c</sup>	—	—	77.1	75.2	-1.9	—	—	82.1	79.3	-2.8ss	90.1	88.1	85.9	82.5	-3.4ss
Take LSD regularly <sup>c</sup>	—	—	79.8	78.4	-1.4	—	—	86.8	85.6	-1.2	96.4	95.5	95.8	94.3	-1.5s
Try crack once or twice	91.7	90.7	89.1	86.9	-2.2sss	92.5	92.5	91.4	89.9	-1.5s	92.1	93.1	89.9	89.5	-0.4
Take crack occasionally	93.3	92.5	91.7	89.9	-1.8sss	94.3	94.4	93.6	92.5	-1.1s	94.2	95.0	92.8	92.8	0.0
Try cocaine powder once or twice	91.2	89.6	88.5	86.1	-2.4sss	90.8	91.1	90.0	88.1	-1.9sss	88.0	89.4	86.6	87.1	+0.5
Take cocaine powder occasionally	93.1	92.4	91.6	89.7	-1.9sss	94.0	94.0	93.2	92.1	-1.1s	93.0	93.4	91.2	91.0	-0.2
Try one or two drinks of an alcoholic beverage (beer, wine, liquor)	51.7	52.2	50.9	47.8	-3.1s	37.6	39.9	38.5	36.5	-2.0s	29.8	33.0	30.1	28.4	-1.7
Take one or two drinks nearly every day	82.2	81.0	79.6	76.7	-2.9ss	81.7	81.7	78.6	75.2	-3.4ss	76.5	75.9	77.8	73.1	-4.7ss
Have five or more drinks once or twice each weekend	85.2	83.9	83.3	80.7	-2.6ss	76.7	77.6	74.7	72.3	-2.4s	67.4	70.7	70.1	65.1	-5.0ss
Take steroids <sup>c</sup>	89.8	90.3	89.9	87.9	-2.0s	90.0	91.0	91.2	90.8	-0.4	90.5	92.1	92.1	91.9	-0.2
Approx. N =	17390	18503	18435	17429		14750	14774	15334	15891		2547	2645	2723	2588	

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.

<sup>a</sup>Answer 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.

<sup>b</sup>The twelfth grade questions ask about people who are 18 or older.

<sup>c</sup>8th and 10th grade: Data based on a single questionnaire form. 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? <sup>b</sup>	Percentage "disapproving" <sup>a</sup>																				'93-'94 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	
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	-5.7ss
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	-6.6sss
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	-5.3sss
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	-3.4ss
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	-1.5s
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	-1.1
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	-0.9
Try crack once or twice	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	92.3	92.1	93.1	89.9	89.5	-0.4
Take crack occasionally	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	94.3	94.2	95.0	92.8	92.8	0.0
Take crack regularly	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	94.9	95.0	95.5	93.4	93.1	-0.3
Try coke powder once or twice	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	87.9	88.0	89.4	86.6	87.1	+0.5
Take coke powder occasionally	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	92.1	93.0	93.4	91.2	91.0	-0.2
Take coke powder regularly	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93.7	94.4	94.3	93.0	92.5	-0.5
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	-1.2
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	-0.8
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	-0.4
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	-2.9s
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	-1.9s
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	-2.2s
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	-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	-1.7
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	-4.7ss
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	-0.8
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	-5.0ss
Take steroids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	90.8	90.5	92.1	92.1	91.9	-0.2
Approx. N =	2677	2957	3085	3686	3221	3261	3610	3651	3341	3254	3265	3113	3302	3311	2799	2566	2547	2645	2723	2588	

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.

<sup>a</sup>Answer alternatives were: (1) Don't disapprove, (2) Disapprove, and (3) Strongly disapprove. Percentages are shown for categories (2) and (3) combined.

<sup>b</sup>The 1975 question asked about people who are "20 or older."

**TABLE 10**

**Trends in Perceived Availability of Drugs  
Eighth, Tenth, and Twelfth Graders, 1992-1994**

Percent saying "fairly easy" or "very easy" to get<sup>a</sup>

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>1994</u>	<u>'93-'94 change</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>'93-'94 change</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>'93-'94 change</u>
Marijuana	42.3	43.8	49.9	+6.1sss	65.2	68.4	75.0	+6.6sss	82.7	83.0	85.5	+2.5s
LSD	21.5	21.8	21.8	0.0	33.6	35.8	36.1	+0.3	44.5	49.2	50.8	+1.6
PCP <sup>b</sup>	18.0	18.5	17.7	-0.8	23.7	23.4	23.8	+0.4	31.7	31.7	31.4	-0.3
Crack	25.6	25.9	26.9	+1.0	33.7	33.0	34.2	+1.2	43.5	43.6	40.5	-3.1
Cocaine Powder	25.7	25.9	26.4	+0.5	35.0	34.1	34.5	+0.4	48.0	45.4	43.7	-1.7
Heroin	19.7	19.8	19.4	-0.4	24.3	24.3	24.7	+0.4	34.9	33.7	34.1	+0.4
Other Opiates <sup>b</sup>	19.8	19.0	18.3	-0.7	26.9	24.9	26.9	+2.0	37.1	37.5	38.0	+0.5
Amphetamines	32.2	31.4	31.0	-0.4	43.4	46.4	46.6	+0.2	58.8	61.5	62.0	+0.5
Crystal Meth. (Ice) <sup>b</sup>	16.0	15.1	14.1	-1.0	18.8	16.4	17.8	+1.4	26.0	26.6	25.6	-1.0
Barbiturates	27.4	26.1	25.3	-0.8	38.0	38.8	38.3	-0.5	44.0	44.5	43.3	-1.2
Tranquilizers	22.9	21.4	20.4	-1.0	31.6	30.5	29.8	-0.7	40.9	41.1	39.2	-1.9
Alcohol	76.2	73.9	74.5	+0.6	88.6	88.9	89.8	+0.9	—	—	—	—
Steroids	24.0	22.7	23.1	+0.4	37.6	33.6	33.6	0.0	46.8	44.8	42.9	-1.9
<i>Approx. N =</i>	<i>8355</i>	<i>16775</i>	<i>16119</i>		<i>7014</i>	<i>14652</i>	<i>15192</i>		<i>2586</i>	<i>2670</i>	<i>2526</i>	

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.

<sup>a</sup>Answer 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.

<sup>b</sup>8th and 10th grade only: Data based on a single questionnaire form. N is one-half of N indicated.

**TABLE 11**

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

		Percent saying "fairly easy" or "very easy" to get <sup>a</sup>																			
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>	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	'93-'94 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	+2.5s
Amyl & Butyl Nitrites	—	—	—	—	—	—	—	—	—	—	—	—	23.9	25.9	26.8	24.4	22.7	25.9	25.9	26.7	+0.8
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	+1.6
PCP	—	—	—	—	—	—	—	—	—	—	—	—	22.8	24.9	28.9	27.7	27.6	31.7	31.7	31.4	-0.3
MDMA (ecstasy)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	22.0	22.1	24.2	28.1	31.2	+3.1s
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	+0.3
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	-1.9
Crack	—	—	—	—	—	—	—	—	—	—	—	—	41.1	42.1	47.0	42.4	39.9	43.5	43.6	40.5	-3.1
Cocaine powder	—	—	—	—	—	—	—	—	—	—	—	—	52.9	50.3	53.7	49.0	46.0	48.0	45.4	43.7	-1.7
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	+0.4
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	+0.5
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	+0.5
Crystal meth. (ice)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.1	24.3	26.0	26.6	25.6	-1.0
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	-1.2
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	-1.9
Steroids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46.7	46.8	44.8	42.9	-1.9
<i>Approx. N =</i>	2627	2865	3065	3598	3172	3240	3578	3602	3385	3269	3274	3077	3271	3231	2806	2549	2476	2586	2670	2526	

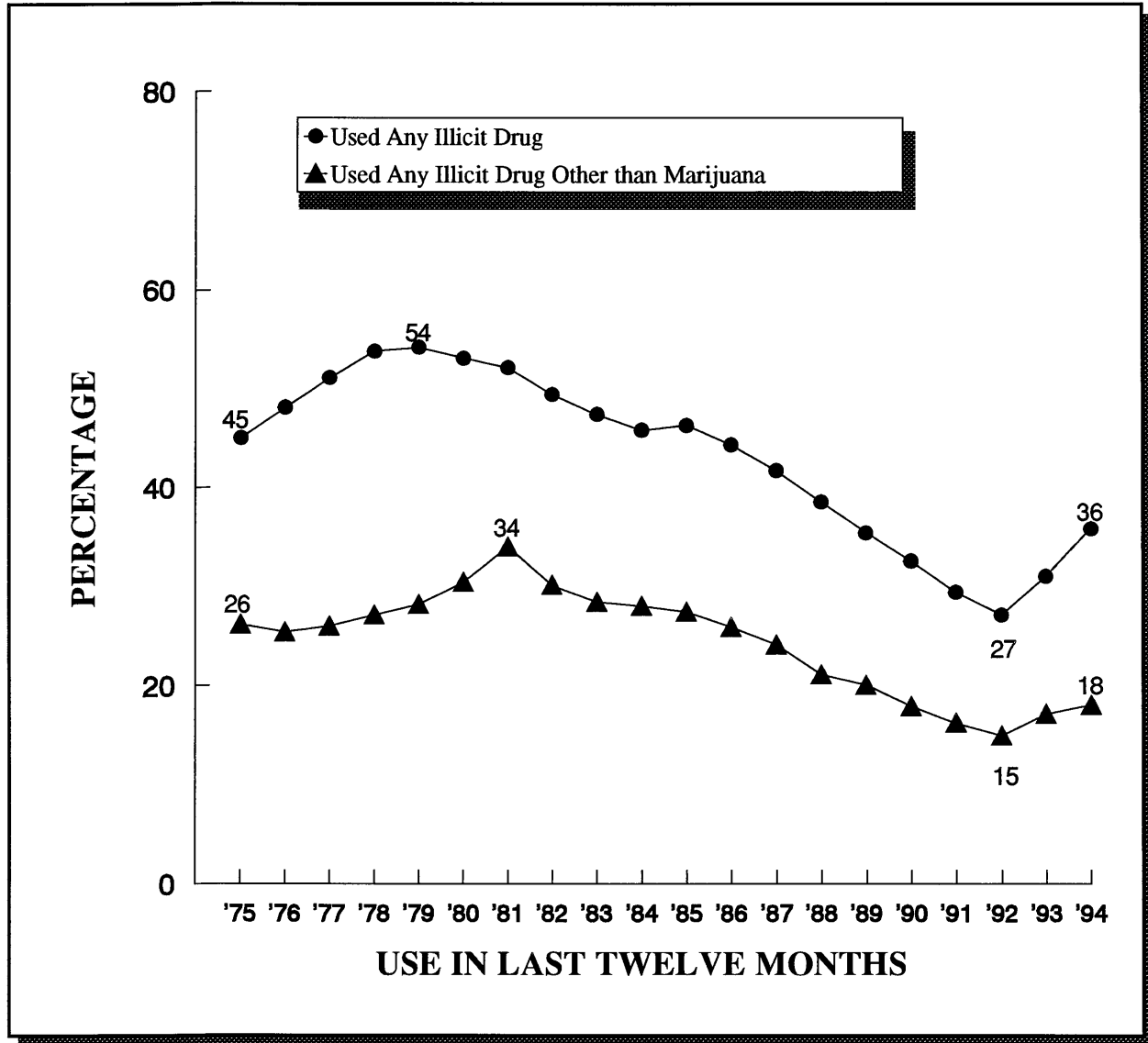
NOTES: Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.

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

<sup>a</sup>Answer 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

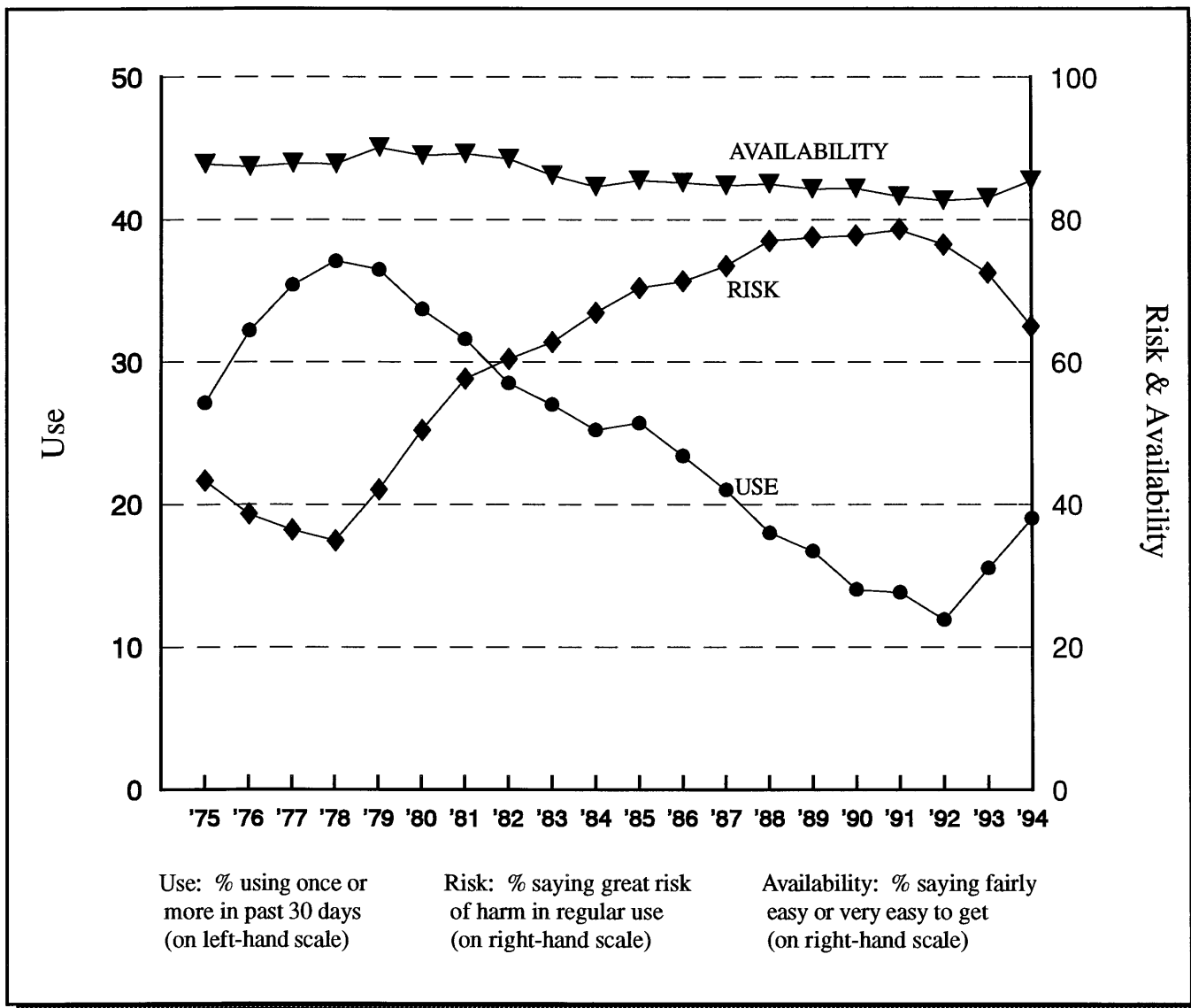
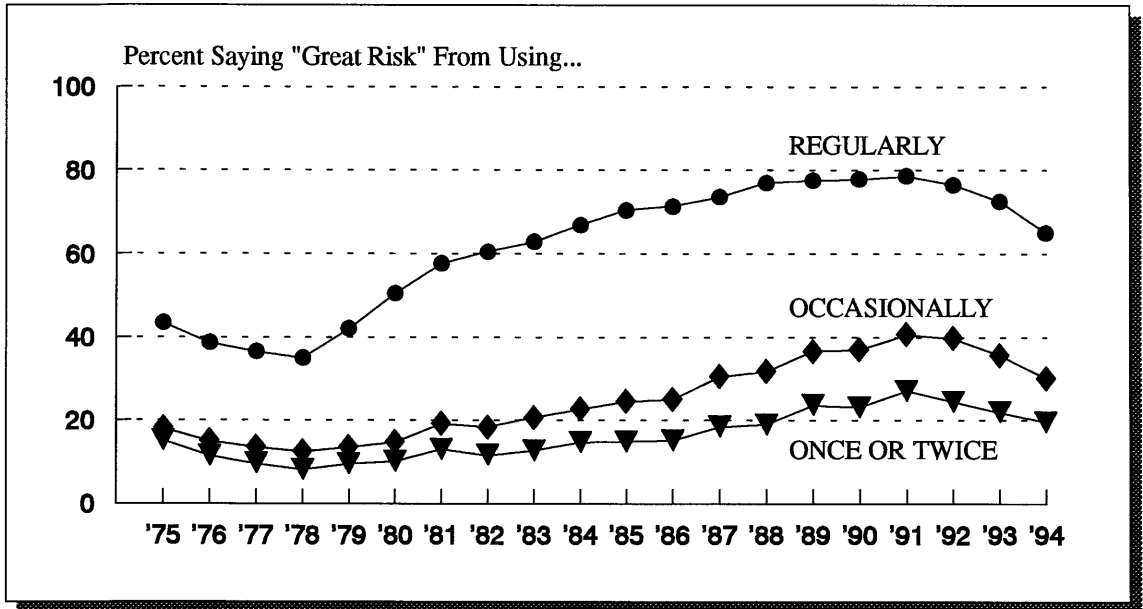
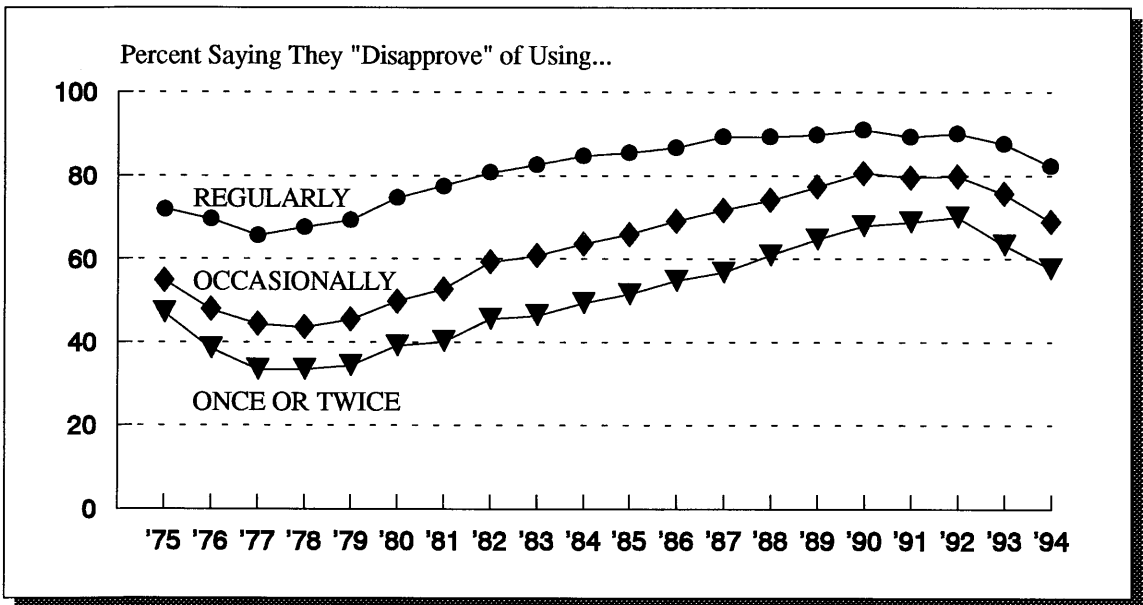


FIGURE 3

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



Perceived Harmfulness



Disapproval



FIGURE 4

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

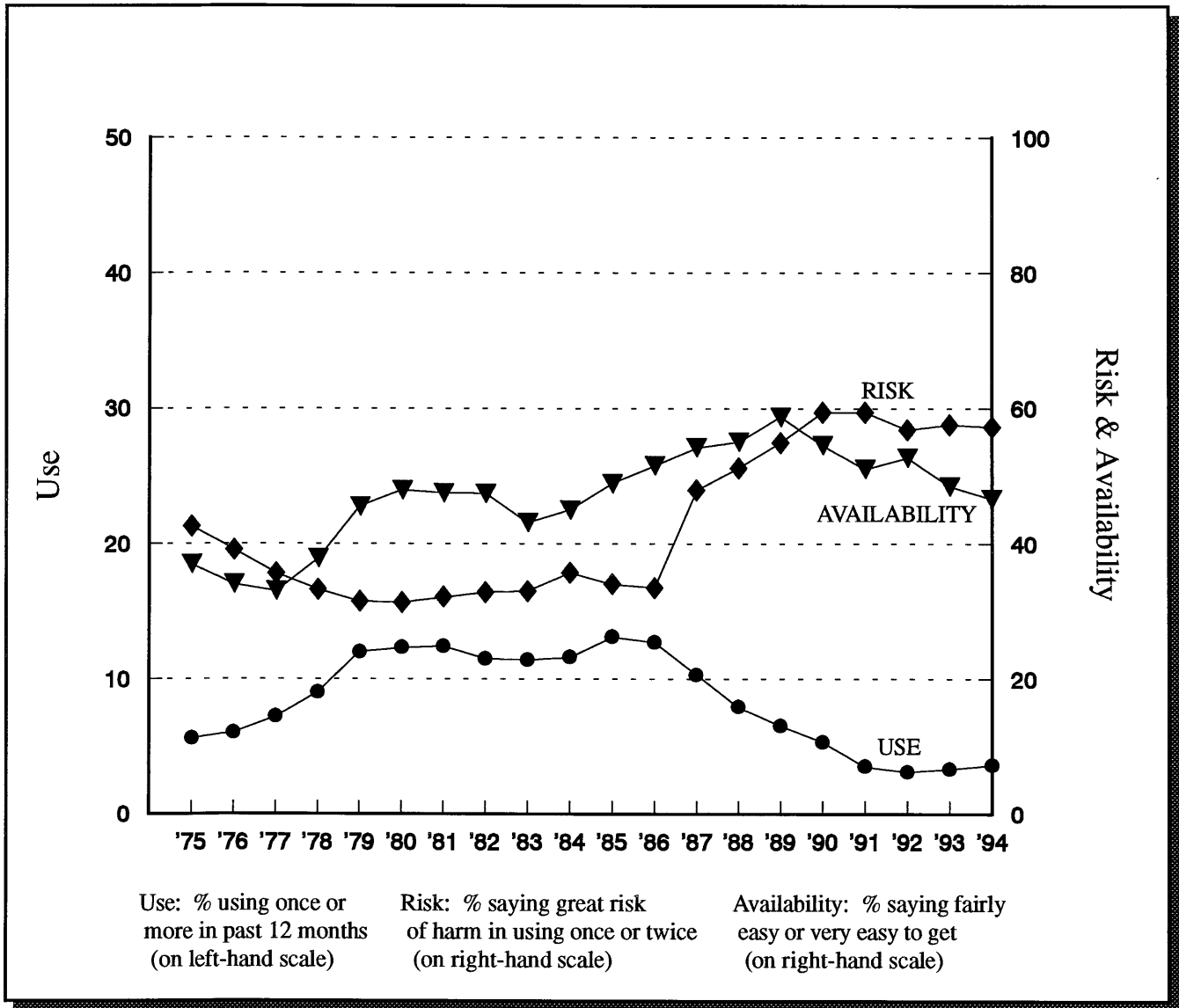
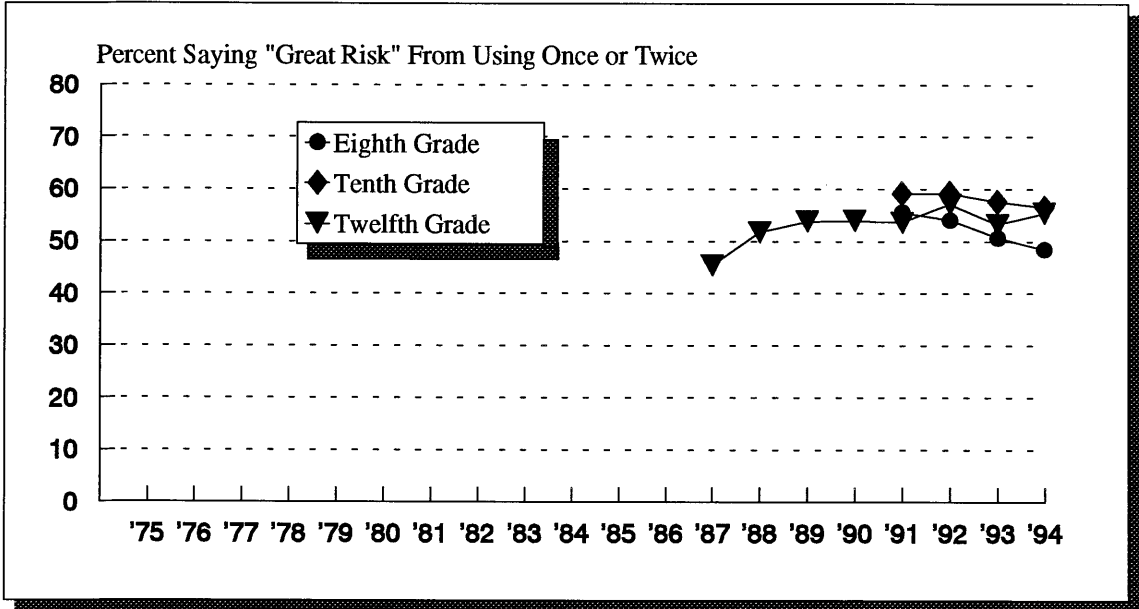
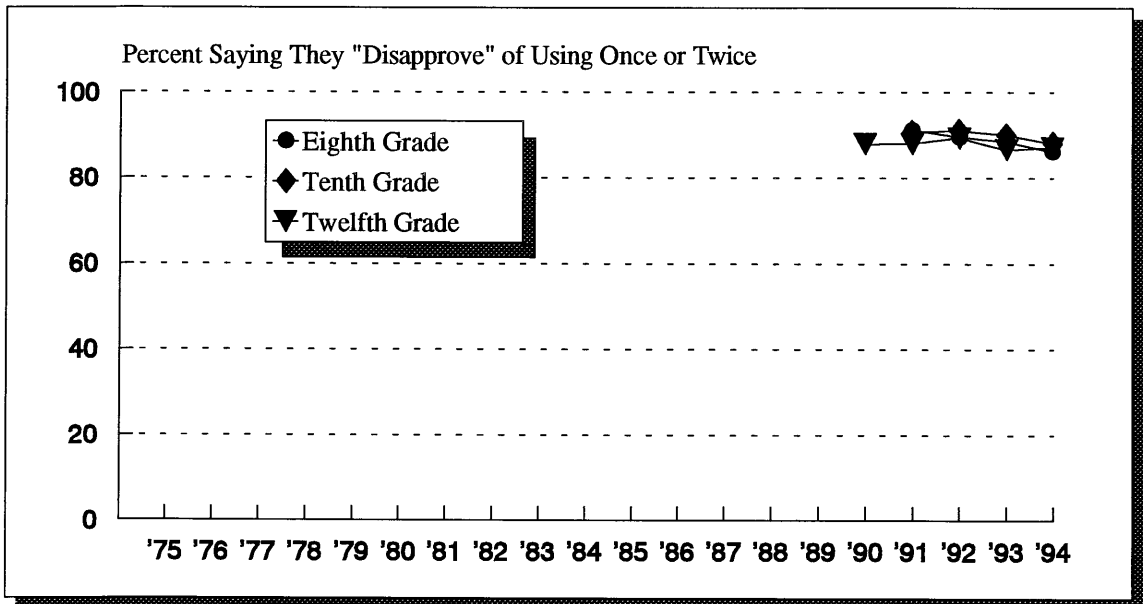


FIGURE 5

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



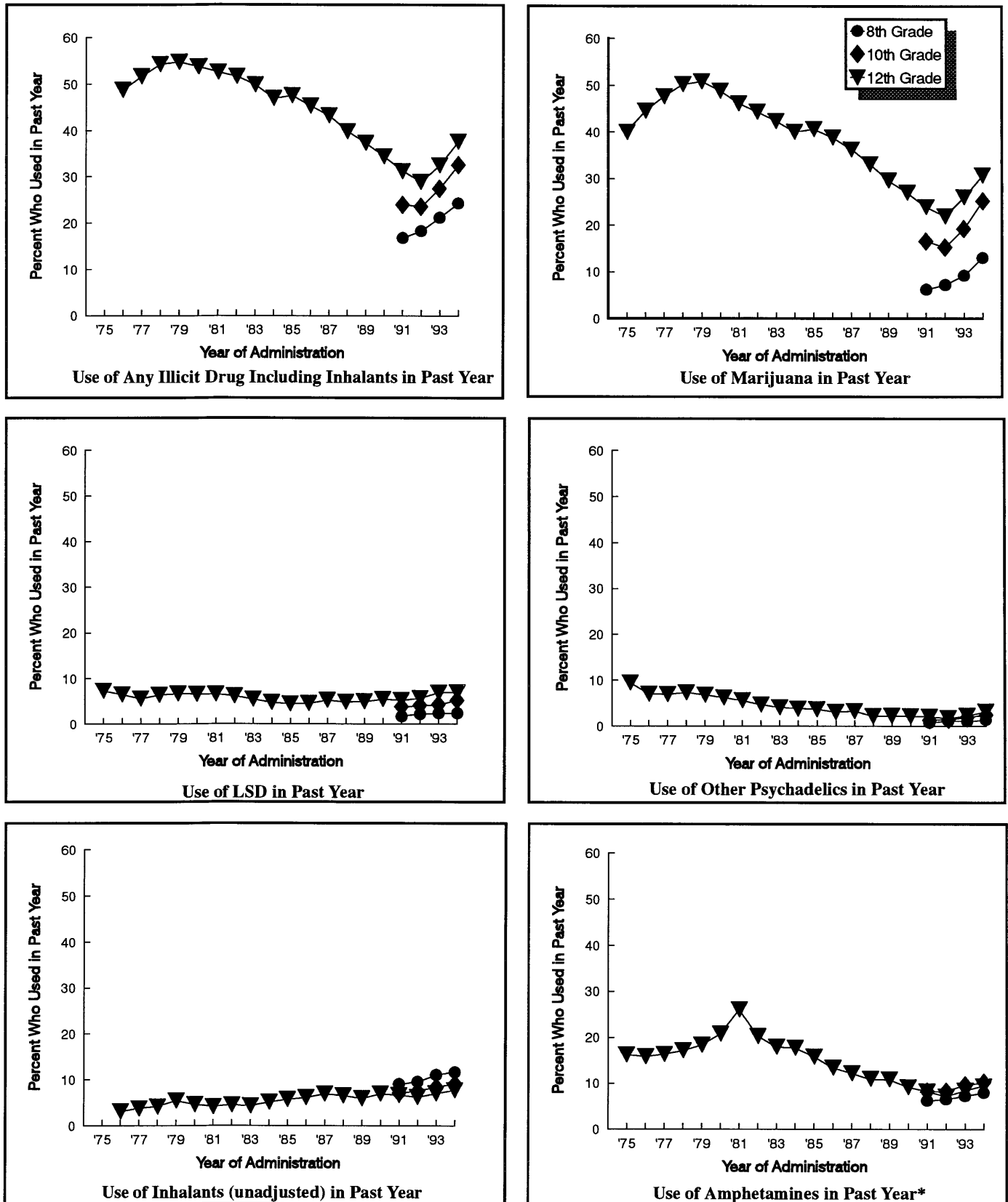
Perceived Harmfulness



Disapproval

FIGURE 6

Trends in Annual Use of Selected Drugs by Grade, 1975-1994



\*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, 1994

