

News and Information Services

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Drug use rises among the nation's eighth-grade students. LSD may be making a comeback. 12th-graders showed continued declines in use but a reversal in some key attitudes that have driven the decline.

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EDITORS: Results of this survey will be released simultaneously Tuesday (April 13) by the Secretary of the Department of Health and Human Services, Donna E. Shalala. For further information on the study, contact the principal investigator, Dr. Lloyd Johnston, at (313) 763-5043.

ANN ARBOR---The nation may have been taking progress in the war against drugs too much for granted over the past two years, according to University of Michigan scientists who conduct the annual national surveys of secondary school students. They point to some troublesome warning signals in the results from their 1992 survey of nearly 50,000 eighth-, 10th-, and 12th-grade students across the country.

The study, which is funded under research grants from the National Institute on Drug Abuse, found modest but statistically significant increases in the use of a number of drugs by eighth-graders, most of whom are only 13 or 14 years old. Increases are reported in their use of marijuana, cocaine, crack, LSD, other hallucinogens, stimulants, and inhalants [see Table 1].

Reporting on their 18th national survey of 12th-graders and second national survey of eighth- and 10th-graders, social psychologists Lloyd D. Johnston, Patrick M. O'Malley, and Jerald G. Bachman conclude that these survey results provide an important early warning signal to the nation.

"We and others have warned that, as the peak years of the drug epidemic pass, there will be replacement cohorts of

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young Americans who did not have the chance to learn vicariously by observing the experiences of their drug-using contemporaries, including those they see in the mass media," says Johnston. "As this opportunity for informal learning subsides, formal or intentional mechanisms become all the more important. That means that what children learn in school, from their families, through the media (including advertising campaigns), and from the nation's leaders determines whether they see drugs as being as dangerous and as unacceptable as their predecessors did."

The U-M investigators previously demonstrated that changes in the perceived dangers of drugs have played a major role in reducing the use of a number of them---in particular, marijuana and cocaine and probably LSD, PCP, and crack [Figures 1-4]. Peer norms have also shifted in the direction of greater restraint as these drugs came to be seen as more dangerous. The three investigators argue that perceived risk and peer norms, taken together, have been critical to reducing drug use. They have found no evidence that reduced availability accounted for the declines [Figures 2 and 4].

In 1992 eighth-graders were significantly less likely to see cocaine or crack as dangerous and (nonsignificantly) less likely to see marijuana use as dangerous than eighth-graders in 1991 [Table 7]. (The question was not asked for LSD.) Their personal disapproval of marijuana, cocaine, and crack also fell significantly in 1992 [Table 9]. These shifts may well explain the increases in the use of these drugs among eighth-graders.

"While the long-term decline in the use of a number of drugs among the 12th-graders continued in 1992, some of their key beliefs and attitudes began to move in the wrong direction, perhaps presaging a reversal of the previous declines in drug use among seniors, as well," Johnston states. For the first time in recent years, there was a statistically significant decline among 12th-graders in the perceived risk of LSD, heroin, and amphetamines; and there were statistically nonsignificant declines for marijuana, cocaine, and barbiturates [Table 6 and Figures 1 and 3].

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"The drug abuse issue has pretty much 'fallen off the screen' in this country, both figuratively and literally," Johnston states. "Ever since the buildup to the Gulf War, political leaders and the press talk about it less, television networks have backed off on their prime time placement of anti-drug ads, and in general, national attention has moved away from the issue.

"In the past these sources of influence have been instrumental in bringing about the kind of attitudinal and normative changes necessary to reduce drug use, so their letting up on the issue may well lead to some reversals. We may be seeing the first of those here."

While none of the changes in drug use among eighth-graders is as yet very large in absolute terms, they represent large proportional changes in the numbers of users at that grade level, which means that this newest wave of adolescents entering the teen years may be at the vanguard of a reversal of previously improving conditions, the investigators note.

The U-M researchers draw particular attention to LSD. They reported last year that LSD use had risen significantly among American college students over a two-year period (1989-1991). Among the 1992 high school seniors the use of LSD rose to its highest level since 1985 (with annual prevalence at 5.6 percent in 1992 compared with a low of 4.4 percent in 1985). The one-year increase of 0.4 percent in 1992 did not reach statistical significance, but use rose in all three grade levels and the eighth-grade increase (from 1.7 percent to 2.1 percent) was significant.

"LSD may be a prime example of generational forgetting," states Johnston, "since it was perhaps the first drug in the epidemic of the past 25 years to decline as a result of concerns about its consequences. Today's youngsters don't hear what an earlier generation heard--- that LSD causes bad trips, flashbacks, schizophrenia, brain damage, chromosomal damage, and so on. While some of those early assertions never were substantiated, some were, and young people today are not as likely to know about the dangers of the drug. As mentioned earlier, the perceived risk of LSD is down among seniors in 1992 and is not yet measured among eighth- and 10th-graders. (more)

"We also see inhalant use increasing in recent years, and youngsters don't fully understand the lethal potential of using such substances as butane, solvents, glues, nitrous oxide, and so on." This class of drugs is most commonly used in the early teens, the investigators note, and is the most widely used of the illicitly used drugs among eighth-graders. Tragically, as a result, overdose deaths resulting from inhalant use are often children in their early teens.

One in every six eighth-graders (17.4 percent) used some inhalant in their lifetime; and one in every 20 (4.7 percent) used one in the past 30 days. In 1992, annual inhalant use was up slightly (not significantly) among eighth- and 10th-graders [Table 1]. Among 12th-graders there was no increase in 1992, but use had been rising through the 1980s [see inhalants unadjusted in Table 3].

One drug class showed an abrupt increase in the proportion of students associating risk with its use---anabolic steroids. At all three grade levels the proportion of students who associated great risk with steroid use jumped sharply, by five to six percentage points. The investigators credit this change both to increased media coverage of the issue between 1991 and 1992 and to Lyle Alzado's effort to have youngsters learn from his experience. (Alzado was a professional football player who attributed his development of an incurable brain tumor to his use of steroids.) In general, the use of steroids is quite low, and use among 12th-graders has been declining gradually since 1989, very likely because of continuing attention to its dangers [Table 3].

Turning to the licit drugs, cigarette smoking did not show any significant changes across any of the three grade levels in 1992. Thirty-day prevalence rates for smoking thus remain quite high: 16 percent for eighth-graders, 22 percent for 10th-graders, and 28 percent for 12th-graders. "The lack of change is itself noteworthy, considering the substantial declines in use in recent years for most other drugs by young people, the increased rates of quitting among adults, and the proliferation of smoking prevention efforts in the nation's schools," the investigators say.

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The 30-day rate of smoking among 12th-graders, for whom longer term data are available, has fallen by only 1.6 percentage points since 1981, to 28 percent in 1992 [Table 4]. "The implications of this lack of change in smoking initiation rates for disease, mortality, and the nation's health care costs will be enormous," the investigators note. Johnston adds that he thinks that the massive advertising and promotion of cigarettes, much of it aimed at young people, is a major reason that cigarette smoking has not been falling among adolescents.

With regard to alcohol use, among seniors the longer term declines in drinking and binge drinking continued in 1992, though the one-year changes did not always reach statistical significance. The proportion of 12th-graders reporting any drinking during the past 30-days fell significantly by 2.7 percentage points to 51 percent---down substantially from the high point of 72 percent in 1980. The proportion of 12th-graders reporting having five or more drinks in a row on at least one occasion during the prior two weeks fell by 1.9 percentage points, to 28 percent---again, down substantially from a high of 41 percent in 1980. The investigators attribute some, though not all, of this decline to changes in the minimum drinking age laws in a number of states. (All states now have a minimum drinking age of 21.)

There were declines in drinking and drunkenness in 1992 among 10th-graders as well; but among eighth-graders there were no such declines in alcohol use. In fact, they showed some modest (not statistically significant) increases [Table 1].

"No one can deny that over the last 13 years we have made a lot of progress in reducing the numbers of young Americans using illicit drugs---in particular, marijuana, cocaine, and crack," Johnston says, "but we may now be in danger of losing some of that hard-won ground as a new, more naive, generation of youngsters enter adolescence, and as society eases up on its many communications to young people of all ages about drugs. Further, there are several classes of drugs---LSD, inhalants, and cigarettes---on which we have either been losing ground or not making much progress in recent years."

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The policy implications of these findings are, Johnston says: "Just as we think of drug dependence for the individual as a chronic, sometimes relapsing disease, we need to think of drug problems in society as chronic, relapsing problems. That means that we can never eliminate them once and for all, but rather must work to reduce and contain them on an ongoing basis. For the foreseeable future American youngsters are going to be aware of a smorgasbord of abusable drugs, and those drugs are going to remain available to some degree. In the face of that, each new cohort of youngsters must be given the knowledge, skills, and motivation to resist using these drugs, which means that adult society needs to become more effective, and more committed for the long term, as it continues to persuade and educate youngsters with regard to drugs. Like it or not, we are in this for the long term."

* * * * *

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's Institute for Social Research. The annual senior samples are comprised of roughly 17,000 seniors in 135 public and private high schools nationwide, selected to be representative of all seniors in the continental United States. They complete self-administered questionnaires given to them in their classrooms by University of Michigan personnel. Beginning in 1991, similar surveys of nationally representative samples of eighth- and 10th-graders have been conducted annually. The 10th-grade samples involve about 15,000 students in 125 schools each year, while the eighth-grade samples have approximately 18,000 students in 160 schools.

The findings will be published in: Johnston, L.D., O'Malley, P.M., and Bachman, J.G. (in press). "National Survey Results on Drug Use from the Monitoring the Future Study, 1975-1992" (Volume I: Secondary School Students). Rockville, MD: National Institute on Drug Abuse.

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(LJohnston;JBachman;PO'Malley;ISR) (R1-3;ISR;Ed1-2A;Rtsp)
[93pr]

TABLE 1

**Trends in Prevalence of Various Drugs
for Eighth, Tenth, and Twelfth Grade Students**

	<u>Lifetime</u>			<u>Annual</u>			<u>30-Day</u>			<u>Daily</u>		
	<u>1991</u>	<u>1992</u>	<u>'91-'92 change</u>	<u>1991</u>	<u>1992</u>	<u>'91-'92 change</u>	<u>1991</u>	<u>1992</u>	<u>'91-'92 change</u>	<u>1991</u>	<u>1992</u>	<u>'91-'92 change</u>
Marijuana/Hashish												
8th Grade	10.2	11.2	+1.0s	6.2	7.2	+1.0s	3.2	3.7	+0.5	0.2	0.2	0.0
10th Grade	23.4	21.4	-2.0	16.5	15.2	-1.3	8.7	8.1	-0.6	0.8	0.8	0.0
12th Grade	36.7	32.6	-4.1sss	23.9	21.9	-2.0s	13.8	11.9	-1.9s	2.0	1.9	-0.1
Inhalants^{a,b}												
8th Grade	17.6	17.4	-0.2	9.0	9.5	+0.5	4.4	4.7	+0.3	0.2	0.3	+0.1
10th Grade	15.7	16.6	+0.9	7.1	7.5	+0.4	2.7	2.7	0.0	0.1	0.1	0.0
12th Grade	17.6	16.6	-1.0	6.6	6.2	-0.4	2.4	2.3	-0.1	0.2	0.1	-0.1
Hallucinogens^b												
8th Grade	3.2	3.8	+0.6s	1.9	2.5	+0.6ss	0.8	1.1	+0.3s	0.1	0.1	0.0
10th Grade	6.1	6.4	+0.3	4.0	4.3	+0.3	1.6	1.8	+0.2	*	0.1	+0.1
12th Grade	9.6	9.2	-0.4	5.8	5.9	+0.1	2.2	2.1	-0.1	0.1	0.1	0.0
LSD												
8th Grade	2.7	3.2	+0.5s	1.7	2.1	+0.4s	0.6	0.9	+0.3s	*	*	0.0
10th Grade	5.6	5.8	+0.2	3.7	4.0	+0.3	1.5	1.6	+0.1	*	0.1	+0.1
12th Grade	8.8	8.6	-0.2	5.2	5.6	+0.4	1.9	2.0	+0.1	0.1	0.1	0.0
Hallucinogens Other than LSD												
8th Grade	1.4	1.7	+0.3	0.7	1.1	+0.4ss	0.3	0.4	+0.1	*	*	0.0
10th Grade	2.2	2.5	+0.3	1.3	1.4	+0.1	0.4	0.5	+0.1	*	*	0.0
12th Grade	3.7	3.3	-0.4	2.0	1.7	-0.3	0.7	0.5	-0.2	*	*	0.0
Cocaine												
8th Grade	2.3	2.9	+0.6s	1.1	1.5	+0.4s	0.5	0.7	+0.2	0.1	*	0.0
10th Grade	4.1	3.3	-0.8s	2.2	1.9	-0.3	0.7	0.7	0.0	0.1	*	0.0
12th Grade	7.8	6.1	-1.7ss	3.5	3.1	-0.4	1.4	1.3	-0.1	0.1	0.1	0.0
Crack												
8th Grade	1.3	1.6	+0.3	0.7	0.9	+0.2	0.3	0.5	+0.2s	*	*	0.0
10th Grade	1.7	1.5	-0.2	0.9	0.9	0.0	0.3	0.4	+0.1	*	*	0.0
12th Grade	3.1	2.6	-0.5	1.5	1.5	0.0	0.7	0.6	-0.1	0.1	0.1	0.0
Other Cocaine^c												
8th Grade	2.0	2.4	+0.4	1.0	1.2	+0.2	0.5	0.5	0.0	*	*	0.0
10th Grade	3.8	3.0	-0.8ss	2.1	1.7	-0.4	0.6	0.6	0.0	*	*	0.0
12th Grade	7.0	5.3	-1.7sss	3.2	2.6	-0.6s	1.2	1.0	-0.2	0.1	*	0.0
Heroin												
8th Grade	1.2	1.4	+0.2	0.7	0.7	0.0	0.3	0.4	+0.1	*	*	0.0
10th Grade	1.2	1.2	0.0	0.5	0.6	+0.1	0.2	0.2	0.0	*	*	0.0
12th Grade	0.9	1.2	+0.3	0.4	0.6	+0.2	0.2	0.3	+0.1	*	*	0.0
Stimulants^d												
8th Grade	10.5	10.8	+0.3	6.2	6.5	+0.3	2.6	3.3	+0.7s	0.1	0.1	+0.1
10th Grade	13.2	13.1	-0.1	8.2	8.2	0.0	3.3	3.6	+0.3	0.1	0.1	0.0
12th Grade	15.4	13.9	-1.5s	8.2	7.1	-1.1s	3.2	2.8	-0.4	0.2	0.2	0.0
Tranquilizers^d												
8th Grade	3.8	4.1	+0.3	1.8	2.0	+0.2	0.8	0.8	0.0	*	*	0.0
10th Grade	5.8	5.9	+0.1	3.2	3.5	+0.3	1.2	1.5	+0.3	*	*	0.0
12th Grade	7.2	6.0	-1.2s	3.6	2.8	-0.8s	1.4	1.0	-0.4s	0.1	*	-0.1

(Table continued on next page)

TABLE 1 (continued)

**Trends in Prevalence of Various Drugs
for Eighth, Tenth, and Twelfth Grade Students**

	<u>Lifetime</u>			<u>Annual</u>			<u>30-Day</u>			<u>Daily</u>		
	<u>1991</u>	<u>1992</u>	<u>'91-'92 change</u>	<u>1991</u>	<u>1992</u>	<u>'91-'92 change</u>	<u>1991</u>	<u>1992</u>	<u>'91-'92 change</u>	<u>1991</u>	<u>1992</u>	<u>'91-'92 change</u>
Alcohol												
Any use												
8th Grade	70.1	69.3	-0.8	54.0	53.7	-0.3	25.1	26.1	+1.0	0.5	0.6	+0.1
10th Grade	83.8	82.3	-1.5	72.3	70.2	-2.1s	42.8	39.9	-2.9ss	1.3	1.2	-0.1
12th Grade	88.0	87.5	-0.5	77.7	76.8	-0.9	54.0	51.3	-2.7s	3.6	3.4	-0.2
Been Drunk^e												
8th Grade	26.7	26.8	+0.1	17.5	18.3	+0.8	7.6	7.5	-0.1	0.1	0.1	0.0
10th Grade	50.0	47.7	-2.3s	40.1	37.0	-3.1sss	20.5	18.1	-2.4ss	0.2	0.3	+0.1
12th Grade	65.4	63.4	-2.0	52.7	50.3	-2.4	31.6	29.9	-1.7	0.9	0.8	-0.1
5+ drinks in last 2 weeks												
8th Grade	—	—	—	—	—	—	—	—	—	12.9	13.4	+0.5
10th Grade	—	—	—	—	—	—	—	—	—	22.9	21.1	-1.8
12th Grade	—	—	—	—	—	—	—	—	—	29.8	27.9	-1.9
Cigarettes												
Any use												
8th Grade	44.0	45.2	+1.2	—	—	—	14.3	15.5	+1.2	7.2	7.0	-0.2
10th Grade	55.1	53.5	-1.6	—	—	—	20.8	21.5	+0.7	12.6	12.3	-0.3
12th Grade	63.1	61.8	-1.3	—	—	—	28.3	27.8	-0.5	18.5	17.2	-1.3
1/2pack+/day												
8th Grade	—	—	—	—	—	—	—	—	—	3.1	2.9	-0.2
10th Grade	—	—	—	—	—	—	—	—	—	6.5	6.0	-0.5
12th Grade	—	—	—	—	—	—	—	—	—	10.7	10.0	-0.7
Smokeless Tobacco^{f,g}												
8th Grade	22.2	20.7	-1.5	—	—	—	6.9	7.0	+0.1	1.6	1.8	+0.2
10th Grade	28.2	26.6	-1.6	—	—	—	10.0	9.6	-0.4	3.3	3.0	-0.3
12th Grade	—	32.4	—	—	—	—	—	11.4	—	—	4.3	—
Steroids^e												
8th Grade	1.9	1.7	-0.2	1.0	1.1	+0.1	0.4	0.5	+0.1	*	*	0.0
10th Grade	1.8	1.7	-0.1	1.1	1.1	0.0	0.6	0.6	0.0	0.1	*	0.0
12th Grade	2.1	2.1	0.0	1.4	1.1	-0.3	0.8	0.6	-0.2	0.1	0.1	0.0

NOTE: 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 per cent. Any apparent inconsistency between the change estimate and the prevalence estimates for the recent classes is due to rounding error.

Approx. N =

8th Grade = 17500 in 1991; 18600 in 1992
 10th Grade = 14800 in 1991; 14800 in 1992
 12th Grade = 15000 in 1991; 15800 in 1992

^a12th grade only: Data based on five questionnaire forms. N is five-sixths of N indicated.
^b12th grade only: Unadjusted for underreporting of certain drugs.
^c12th grade only: Data based on four questionnaire forms. N is four-sixths of N indicated.
^d12th grade only: Only drug use which was not under a doctor's orders is included here.
^e12th grade only: Data based on two questionnaire forms. N is two-sixths of N indicated.
^f8th and 10th grade: Data based on one questionnaire form. N is one-half of N indicated.
^g12th grade only: Data based on one questionnaire form. N is one-sixth of N indicated.

TABLE 2
Trends in Lifetime Prevalence of Various Types of Drugs for Twelfth Graders

	Percent ever used																		'91-'92 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	
Approx. N =	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	
Any Illicit Drug ^{a,b}	55.2	58.3	61.6	64.1	65.1	65.4	65.6	64.4	62.9	61.6	60.6	57.6	56.6	53.9	50.9	47.9	44.1	40.7	-3.4ss
Any Illicit Drug Other Than Marijuana ^{b,c}	36.2	35.4	35.8	36.5	37.4	38.7	42.8	41.1	40.4	40.3	39.7	37.7	35.8	32.5	31.4	29.4	26.9	25.1	-1.8s
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	-4.1sss
Inhalants ^d	—	10.3	11.1	12.0	12.7	11.9	12.3	12.8	13.6	14.4	15.4	15.9	17.0	16.7	17.6	18.0	17.6	16.6	-1.0
Inhalants Adjusted ^e	—	—	—	—	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	-1.0
Amyl & Butyl Nitrites ^{f,g}	—	—	—	—	11.1	11.1	10.1	9.8	8.4	8.1	7.9	8.6	4.7	3.2	3.3	2.1	1.6	1.5	-0.1
Hallucinogens	16.3	15.1	13.9	14.3	14.1	13.3	13.3	12.5	11.9	10.7	10.3	9.7	10.3	8.9	9.4	9.4	9.6	9.2	-0.4
Hallucinogens Adjusted ^h	—	—	—	—	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	-0.6
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	-0.2
PCP ^{f,g}	—	—	—	—	12.8	9.6	7.8	6.0	5.6	5.0	4.9	4.8	3.0	2.9	3.9	2.8	2.9	2.4	-0.5
Cocaine	9.0	9.7	10.8	12.9	15.4	15.7	16.5	16.0	16.2	16.1	17.3	16.9	15.2	12.1	10.3	9.4	7.8	6.1	-1.7ss
Crack ⁱ	—	—	—	—	—	—	—	—	—	—	—	—	5.4	4.8	4.7	3.5	3.1	2.6	-0.5
Other cocaine ^j	—	—	—	—	—	—	—	—	—	—	—	—	14.0	12.1	8.5	8.6	7.0	5.3	-1.7sss
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	+0.3
Other opiates ^k	9.0	9.6	10.3	9.9	10.1	9.8	10.1	9.6	9.4	9.7	10.2	9.0	9.2	8.6	8.3	8.3	6.6	6.1	-0.5
Stimulants ^{b,k}	22.3	22.6	23.0	22.9	24.2	26.4	32.2	27.9	26.9	27.9	26.2	23.4	21.6	19.8	19.1	17.5	15.4	13.9	-1.5s
Crystal Meth. (Ice) ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.7	3.3	2.9	-0.4
Sedatives ^{k,m}	18.2	17.7	17.4	16.0	14.6	14.9	16.0	15.2	14.4	13.3	11.8	10.4	8.7	7.8	7.4	7.5	6.7	6.1	-0.6
Barbiturates ^k	16.9	16.2	15.6	13.7	11.8	11.0	11.3	10.3	9.9	9.9	9.2	8.4	7.4	6.7	6.5	6.8	6.2	5.5	-0.7
Methaqualone ^{k,m}	8.1	7.8	8.5	7.9	8.3	9.5	10.6	10.7	10.1	8.3	6.7	5.2	4.0	3.3	2.7	2.3	1.3	1.6	+0.3
Tranquilizers ^k	17.0	16.8	18.0	17.0	16.3	15.2	14.7	14.0	13.3	12.4	11.9	10.9	10.9	9.4	7.6	7.2	7.2	6.0	-1.2s
Alcohol	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	-0.5
Been Drunk ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.4	63.4	-2.0
Cigarettes	73.6	75.4	75.7	75.3	74.0	71.0	71.0	70.1	70.6	69.7	68.8	67.6	67.2	66.4	65.7	64.4	63.1	61.8	-1.3
Smokeless Tobacco ^m	—	—	—	—	—	—	—	—	—	—	—	31.4	32.2	30.4	29.2	—	—	32.4	—
Steroids ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.0	2.9	2.1	2.1	0.0

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

Footnotes for Table 2–Table 5

- ^a Use of "any illicit drugs" includes any use of marijuana, hallucinogens, cocaine, and heroin, or any use of other opiates, stimulants, barbiturates, methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.
- ^b Beginning in 1982 the question about stimulant use (i.e. amphetamines) was revised to get respondents to exclude the inappropriate reporting of non-prescription stimulants. The prevalence rate dropped slightly as a result of this methodological change.
- ^c Use of "other illicit drugs" includes any use of hallucinogens, cocaine, and heroin, or any use of other opiates, stimulants, barbiturates, methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.
- ^d Data based on four questionnaire forms in 1976-1988; N is four-fifths of N indicated. Data based on five questionnaire forms in 1989-1992; N is five-sixths of N indicated.
- ^e Adjusted for underreporting of amyl and butyl nitrites.
- ^f Data based on a single questionnaire form; N is one-fifth of N indicated in 1979-1988 and one-sixth of N indicated in 1989-1992.
- ^g Question text changed slightly in 1987.
- ^h Adjusted for underreporting of PCP.
- ⁱ Data based on a single questionnaire form in 1986; N is one-fifth of N indicated. Data based on two questionnaire forms in 1987-1989; N is two-fifths of N indicated in 1987-1988 and two-sixths of N indicated in 1989. Data based on six questionnaire forms in 1990-1992.
- ^j Data based on a single questionnaire form in 1987-1989; N is one-fifth of N indicated in 1987-1988 and one-sixth of N indicated in 1989. Data based on four questionnaire forms in 1990-1992; N is four-sixths of N indicated.
- ^k Only drug use which was not under a doctor's orders is included here.
- ^l Data based on two questionnaire forms; N is two-sixths of N indicated. Steroid data based on a single questionnaire form in 1989-1990.
- ^m Data based on five questionnaire forms in 1975-1988, six questionnaire forms in 1989, and one questionnaire form in 1990-1992. N is one-sixth of N indicated in 1990-1992. Smokeless tobacco was always included in only one questionnaire form.

TABLE 3
Trends in Annual Prevalence of Various Types of Drugs for Twelfth Graders

	Percent who used in last twelve months																		
	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	'91-'92 change
Approx. N =	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	
Any Illicit Drug ^{a,b}	45.0	48.1	51.1	53.8	54.2	53.1	52.1	49.4	47.4	45.8	46.3	44.3	41.7	38.5	35.4	32.5	29.4	27.1	-2.3 _{ss}
Any Illicit Drug Other Than Marijuana ^{b,c}	26.2	25.4	26.0	27.1	28.2	30.4	34.0	30.1	28.4	28.0	27.4	25.9	24.1	21.1	20.0	17.9	16.2	14.9	-1.3
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	-2.0 _s
Inhalants ^d	—	3.0	3.7	4.1	5.4	4.6	4.1	4.5	4.3	5.1	5.7	6.1	6.9	6.5	5.9	6.9	6.6	6.2	-0.4
Inhalants Adjusted ^e	—	—	—	—	8.9	7.9	6.1	6.6	6.2	7.2	7.5	8.9	8.1	7.1	6.9	7.5	6.9	6.4	-0.5
Amyl/Butyl Nitrites ^{f,g}	—	—	—	—	6.5	5.7	3.7	3.6	3.6	4.0	4.0	4.7	2.6	1.7	1.7	1.4	0.9	0.5	-0.4
Hallucinogens	11.2	9.4	8.8	9.6	9.9	9.3	9.0	8.1	7.3	6.5	6.3	6.0	6.4	5.5	5.6	5.9	5.8	5.9	+0.1
Hallucinogens Adjusted ^h	—	—	—	—	11.8	10.4	10.1	9.0	8.3	7.3	7.6	7.6	6.7	5.8	6.2	6.0	6.1	6.2	+0.1
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	+0.4
PCP ^{f,g}	—	—	—	—	7.0	4.4	3.2	2.2	2.6	2.3	2.9	2.4	1.3	1.2	2.4	1.2	1.4	1.4	0.0
Cocaine	5.6	6.0	7.2	9.0	12.0	12.3	12.4	11.5	11.4	11.6	13.1	12.7	10.3	7.9	6.5	5.3	3.5	3.1	-0.4
Crack ⁱ	—	—	—	—	—	—	—	—	—	—	—	4.1	3.9	3.1	3.1	1.9	1.5	1.5	0.0
Other cocaine ^j	—	—	—	—	—	—	—	—	—	—	—	—	9.8	7.4	5.2	4.6	3.2	2.6	-0.6 _s
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	+0.2
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	-0.2
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	-1.1 _s
Crystal Meth. (Ice) ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.3	1.4	1.3	-0.1
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	-0.7
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	-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	+0.1
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	-0.8 _s
Alcohol	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	-0.9
Been Drunk ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.7	50.3	-2.4
Cigarettes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Smokeless Tobacco ^m	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Steroids ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.9	1.7	1.4	1.1	-0.3

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

See Table 11 for relevant footnotes.

TABLE 4
Trends in Thirty-Day Prevalence of Various Types of Drugs for Twelfth Graders

	Percent who used in last thirty days																		'91-'92 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	
Approx. N =	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800	
<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	-2.0ss
<i>Any Illicit Drug Other Than Marijuana</i> ^{b,c}	15.4	13.9	15.2	15.1	16.8	18.4	21.7	17.0	15.4	15.1	14.9	13.2	11.6	10.0	9.1	8.0	7.1	6.3	-0.8
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	-1.9s
Inhalants ^d	—	0.9	1.3	1.5	1.7	1.4	1.5	1.5	1.7	1.9	2.2	2.5	2.8	2.6	2.3	2.7	2.4	2.3	-0.1
<i>Inhalants Adjusted</i> ^e	—	—	—	—	3.2	2.7	2.5	2.5	2.5	2.6	3.0	3.2	3.5	3.0	2.7	2.9	2.6	2.5	-0.1
Amyl/Butyl Nitrites ^{f,g}	—	—	—	—	2.4	1.8	1.4	1.1	1.4	1.4	1.6	1.3	1.3	0.6	0.6	0.6	0.4	0.3	-0.1
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	-0.1
<i>Hallucinogens Adjusted</i> ^h	—	—	—	—	5.3	4.4	4.5	4.1	3.5	3.2	3.8	3.5	2.8	2.3	2.9	2.3	2.4	2.3	-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	+0.1
PCP ^{f,g}	—	—	—	—	2.4	1.4	1.4	1.0	1.3	1.0	1.6	1.3	0.6	0.3	1.4	0.4	0.5	0.6	+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	-0.1
Crack ⁱ	—	—	—	—	—	—	—	—	—	—	—	—	1.3	1.6	1.4	0.7	0.7	0.6	-0.1
Other cocaine ^j	—	—	—	—	—	—	—	—	—	—	—	—	4.1	3.2	1.9	1.7	1.2	1.0	-0.2
Heroin	0.4	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	+0.1
Other opiates ^k	2.1	2.0	2.8	2.1	2.4	2.4	2.1	1.8	1.8	1.8	2.3	2.0	1.8	1.6	1.6	1.5	1.1	1.2	+0.1
Stimulants ^{b,k}	8.5	7.7	8.8	8.7	9.9	12.1	15.8	10.7	8.9	8.3	6.8	5.5	5.2	4.6	4.2	3.7	3.2	2.8	-0.4
Crystal Meth. (Ice) ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.6	0.6	0.5	-0.1
Sedatives ^{k,m}	5.4	4.5	5.1	4.2	4.4	4.8	4.6	3.4	3.0	2.3	2.4	2.2	1.7	1.4	1.6	1.4	1.5	1.2	-0.3
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	-0.3
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	+0.2
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	-0.4s
Alcohol	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	-2.7s
Been Drunk ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.6	29.9	-1.7
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	-0.5
Smokeless Tobacco ^m	—	—	—	—	—	—	—	—	—	—	—	11.5	11.3	10.3	8.4	—	—	11.4	—
Steroids ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.8	1.0	0.8	0.6	-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 11 for relevant footnotes.

TABLE 5
Trends in Thirty-Day Prevalence of Daily Use of Various Types of Drugs for Twelfth Graders

	Percent who used daily in last thirty days																		'91-'92 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		
Approx. N =	9400	15400	17100	17800	15500	15900	17500	17700	16300	15900	16000	15200	16300	16300	16700	15200	15000	15800		
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	-0.1	
Inhalants ^d	—	*	*	0.1	*	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.1	-0.1
<i>Inhalants Adjusted^e</i>	—	—	—	—	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.3	0.3	0.3	0.5	0.2	-0.2
Amyl & Butyl Nitrites ^{f,g}	—	—	—	—	*	0.1	0.1	0.0	0.2	0.1	0.3	0.5	0.3	0.1	0.3	0.1	0.2	0.1	-0.1	
Hallucinogens	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	0.1	0.1	0.1	0.1	0.0
<i>Hallucinogens Adjusted^h</i>	—	—	—	—	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.3	0.2	*	0.3	0.3	0.1	0.1	0.1	0.0
LSD	*	*	*	*	*	*	0.1	*	0.1	0.1	0.1	*	0.1	*	*	0.1	0.1	0.1	0.1	0.0
PCP ^{f,g}	—	—	—	—	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.0
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	0.0
Crack ⁱ	—	—	—	—	—	—	—	—	—	—	—	—	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0
Other cocaine ^j	—	—	—	—	—	—	—	—	—	—	—	—	0.2	0.2	0.1	0.1	0.1	*	0.0	
Heroin	0.1	*	*	*	*	*	*	*	0.1	*	*	*	*	*	0.1	*	*	*	*	0.0
Other opiates ^k	0.1	0.1	0.2	0.1	*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	*	0.0	
Stimulants ^{b,k}	0.5	0.4	0.5	0.5	0.6	0.7	1.2	0.7	0.8	0.6	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.0	
Crystal Meth. (Ice) ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.1	0.1	0.1	+0.1	
Sedatives ^{k,m}	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	+0.1	
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	*	0.0	
Methaqualone ^{k,m}	*	*	*	*	*	0.1	0.1	0.1	*	*	*	*	*	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	
Alcohol																				
Daily	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	-0.2	
Been drunk daily ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.9	0.8	-0.1	
5+ drinks in a row/ last 2 weeks	36.8	37.1	39.4	40.3	41.2	41.2	41.4	40.5	40.8	38.7	36.7	36.8	37.5	34.7	33.0	32.2	29.8	27.9	-1.9	
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	-1.3	
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	-0.7	
Smokeless Tobacco ^m	—	—	—	—	—	—	—	—	—	—	—	4.7	5.1	4.3	3.3	—	—	4.3	—	
Steroids ^l	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.1	0.2	0.1	0.1	0.0	

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

See Table 11 for relevant footnotes.

TABLE 6

Trends in Harmfulness of Drugs as Perceived by Twelfth Graders

Q. <i>How much do you think people risk harming themselves (physically or in other ways), if they...</i>	Percentage saying "great risk" ^a																		'91-'92 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	
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	-2.6
Smoke marijuana occasionally	18.1	15.0	13.4	12.4	13.5	14.7	19.1	18.3	20.6	22.6	24.5	25.0	30.4	31.7	36.5	36.9	40.6	39.6	-1.0
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	-2.1
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	-4.3s
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	-2.5
Try PCP once or twice	—	—	—	—	—	—	—	—	—	—	—	—	55.6	58.8	56.6	55.2	51.7	54.8	+3.1
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	-2.6
Take cocaine occasionally	—	—	—	—	—	—	—	—	—	—	—	54.2	66.8	69.2	71.8	73.9	75.5	75.1	-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	-0.2
Try crack once or twice	—	—	—	—	—	—	—	—	—	—	—	—	57.0	62.1	62.9	64.3	60.6	62.4	+1.8
Take crack occasionally	—	—	—	—	—	—	—	—	—	—	—	—	70.4	73.2	75.3	80.4	76.5	76.3	-0.2
Take crack regularly	—	—	—	—	—	—	—	—	—	—	—	—	84.6	84.8	85.6	91.6	90.1	89.3	-0.8
Try cocaine powder once or twice	—	—	—	—	—	—	—	—	—	—	—	—	45.3	51.7	53.8	53.9	53.6	57.1	+3.5
Take cocaine powder occasionally	—	—	—	—	—	—	—	—	—	—	—	—	56.8	61.9	65.8	71.1	69.8	70.8	+1.0
Take cocaine powder regularly	—	—	—	—	—	—	—	—	—	—	—	—	81.4	82.9	83.9	90.2	88.9	88.4	-0.5
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	-4.3s
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	-0.7
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	-0.4
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	-3.7s
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	-1.7
Try crystal meth. (ice) once or twice	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61.6	61.9	+0.3
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	-2.9
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	-0.3
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	-0.5
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	-2.1
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	+1.0
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	+0.4
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	-0.2
Use smokeless tobacco regularly	—	—	—	—	—	—	—	—	—	—	—	25.8	30.0	33.2	32.9	34.2	37.4	35.5	-1.9
Take steroids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	63.8	69.9	65.6	70.7	+5.1ss
Approx. N =	2804	2918	3052	3770	3250	3234	3604	3557	3305	3262	3250	3020	3315	3276	2796	2553	2549	2684	

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

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

TABLE 7

Trends in Harmfulness of Drugs as Perceived by Eighth, Tenth, and Twelfth Graders, 1991-1992

Q. <i>How much do you think people risk harming themselves (physically or in other ways), if they...</i>	Percentage saying "great risk" ^a								
	<u>8th Grade</u>			<u>10th Grade</u>			<u>12th Grade</u>		
	<u>1991</u>	<u>1992</u>	<u>'91-92 change</u>	<u>1991</u>	<u>1992</u>	<u>'91-92 change</u>	<u>1991</u>	<u>1992</u>	<u>'91-92 change</u>
Try marijuana once or twice	40.4	39.1	-1.3	30.0	31.9	+1.9s	27.1	24.5	-2.6
Smoke marijuana occasionally	57.9	56.3	-1.6	48.6	48.9	+0.3	40.6	39.6	-1.0
Smoke marijuana regularly	83.8	82.0	-1.8	82.1	81.1	-1.0	78.6	76.5	-2.1
Try inhalants once or twice	35.9	37.0	+1.1	37.8	38.7	+0.9	—	—	—
Take inhalants regularly	65.6	64.4	-1.2	69.8	67.9	-1.9s	—	—	—
Try crack once or twice	62.8	61.2	-1.6	70.4	69.6	-0.8	60.6	62.4	+1.8
Take crack occasionally	82.2	79.6	-2.6ss	87.4	86.4	-1.0	76.5	76.3	-0.2
Try cocaine powder once or twice	55.5	54.1	-1.4	59.1	59.2	+0.1	53.6	57.1	+3.5
Take cocaine powder occasionally	77.0	74.3	-2.7ss	82.2	80.1	-2.1ss	69.8	70.8	+1.0
Try one or two drinks of an alcoholic beverage (beer, wine, liquor)	11.0	12.1	+1.1	9.0	10.1	+1.1s	9.1	8.6	-0.5
Take one or two drinks nearly every day	31.8	32.4	+0.6	36.1	36.8	+0.7	32.7	30.6	-2.1
Have five or more drinks once or twice each weekend	59.1	58.0	-1.1	54.7	55.9	+1.2	48.6	49.0	+0.4
Smoke one or more packs of cigarettes per day	51.6	50.8	-0.8	60.3	59.3	-1.0	69.4	69.2	-0.2
Use smokeless tobacco regularly	35.1	35.1	0.0	40.3	39.6	-0.7	37.4	35.5	-1.9
Take steroids	64.2	69.5	+5.3sss	67.1	72.7	+5.6sss	65.6	70.7	+5.1ss
Approx. N =	17437	18662		14719	14808		2549	2684	

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

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

TABLE 8

Trends in Proportions of Twelfth Graders Disapproving of Drug Use

Q. Do you disapprove of people (who are 18 or older) doing each of the following? ^b	Percentage "disapproving" ^a																		'91-'92 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	
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	+1.2
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	+0.3
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	+0.8
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	-2.0
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	-0.9
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	-0.6
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	-0.4
Try crack once or twice	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	92.3	92.1	93.1	+1.0
Take crack occasionally	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	94.3	94.2	95.0	+0.8
Take crack regularly	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	94.9	95.0	95.5	+0.5
Try coke powder once or twice	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	87.9	88.0	89.4	+1.4
Take coke powder occasionally	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	92.1	93.0	93.4	+0.4
Take coke powder regularly	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93.7	94.4	94.3	-0.1
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	-1.1
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	-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	-0.6
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	+0.4
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	-0.4
Try barbiturates once or twice	77.7	81.3	81.1	82.4	84.0	83.9	82.4	84.4	83.1	84.1	84.9	86.8	89.6	89.4	89.3	90.5	90.6	90.3	-0.3
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	-0.6
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	+3.2s
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	-0.6
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	+0.2
Have five or more drinks once or twice each weekend	60.3	58.6	57.4	56.2	56.7	55.6	55.5	58.8	56.6	59.6	60.4	62.4	62.0	65.3	66.5	68.9	67.4	70.7	+3.3s
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	+2.1
Take steroids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	90.8	90.5	92.1	+1.6
Approx. N =	2677	2957	3085	3686	3221	3261	3610	3651	3341	3254	3265	3113	3302	3311	2799	2566	2547	2645	

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

^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 9

**Trends in Disapproval of Drug Use by
Eighth, Tenth, and Twelfth Graders, 1991-1992**

Percent who disapprove or strongly disapprove^a

Q. Do you disapprove of people who...	8th Grade			10th Grade			12th Grade ^b		
	1991	1992	'91-92 change	1991	1992	'91-92 change	1991	1992	'91-92 change
Try marijuana once or twice	84.6	82.1	-2.5sss	74.6	74.8	+0.2	68.7	69.9	+1.2
Smoke marijuana occasionally	89.5	88.1	-1.4s	83.7	83.6	-0.1	79.4	79.7	+0.3
Smoke marijuana regularly	92.1	90.8	-1.3s	90.4	90.0	-0.4	89.3	90.1	+0.8
Try inhalants once or twice	84.9	84.0	-0.9	85.2	85.6	+0.4	—	—	—
Take inhalants regularly	90.6	90.0	-0.6	91.0	91.5	+0.5	—	—	—
Try LSD once or twice	—	—	—	—	—	—	90.1	88.1	-2.0
Take LSD regularly	—	—	—	—	—	—	96.4	95.5	-0.9
Try crack once or twice	91.7	90.7	-1.0s	92.5	92.5	0.0	92.1	93.1	+1.0
Take crack occasionally	93.3	92.5	-0.8	94.3	94.4	+0.1	94.2	95.0	+0.8
Try cocaine powder once or twice	91.2	89.6	-1.6ss	90.8	91.1	+0.3	88.0	89.4	+1.4
Take cocaine powder occasionally	93.1	92.4	-0.7	94.0	94.0	0.0	93.0	93.4	+0.4
Try one or two drinks of an alcoholic beverage (beer, wine, liquor)	51.7	52.2	+0.5	37.6	39.9	+2.3s	29.8	33.0	+3.2s
Take one or two drinks nearly every day	82.2	81.0	-1.2	81.7	81.7	0.0	76.5	75.9	-0.6
Have five or more drinks once or twice each weekend	85.2	83.9	-1.3	76.7	77.6	+0.9	67.4	70.7	+3.3s
Smoke one or more packs of cigarettes per day	82.8	82.3	-0.5	79.4	77.8	-1.6	71.4	73.5	+2.1
Use smokeless tobacco regularly	79.1	77.2	-1.9s	75.4	74.6	-0.8	—	—	—
Take steroids	89.8	90.3	+0.5	90.0	91.0	+1.0	90.5	92.1	+1.6
Approx. N =	17390	18503		14750	14774		2547	2645	

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

^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.

TABLE 10

Trends in Perceived Availability of Drugs, Twelfth Graders

Q. <i>How difficult do you think it would be for you to get each of the following types of drugs, if you wanted some?</i>	Percentage saying drug would be "fairly easy" or "very easy" for them to get ^a																		'91-'92 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	
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	-0.6
Amyl & Butyl Nitrites	—	—	—	—	—	—	—	—	—	—	—	—	23.9	25.9	26.8	24.4	22.7	25.9	+3.2s
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	+5.0ss
PCP	—	—	—	—	—	—	—	—	—	—	—	—	22.8	24.9	28.9	27.7	27.6	31.7	+4.1s
MDMA (ecstasy)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	22.0	22.1	24.2	+2.1
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	+1.9
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	+1.7
Crack	—	—	—	—	—	—	—	—	—	—	—	—	41.1	42.1	47.0	42.4	39.9	43.5	+3.6s
Cocaine powder	—	—	—	—	—	—	—	—	—	—	—	—	52.9	50.3	53.7	49.0	46.0	48.0	+2.0
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	+4.3ss
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	+2.5
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	+1.5
Crystal meth. (ice)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.1	24.3	26.0	+1.7
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	+1.6
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	+0.1
Steroids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46.7	46.8	+0.1
Approx. N =	2627	2865	3065	3598	3172	3240	3578	3602	3385	3269	3274	3077	3271	3231	2806	2549	2476	2586	

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

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

FIGURE 1

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

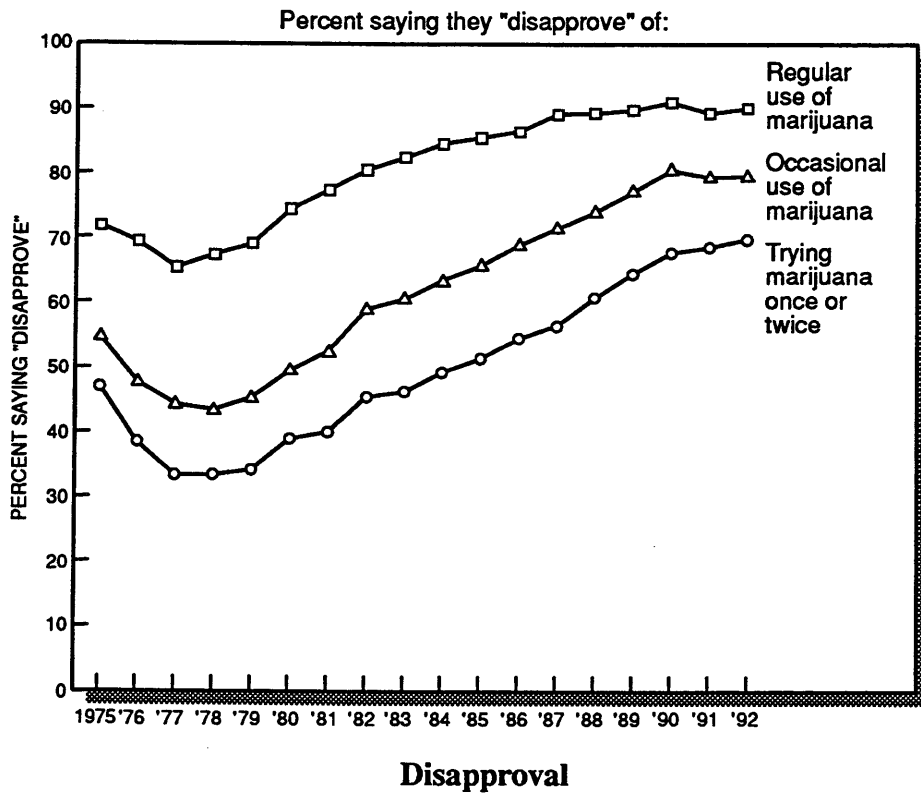
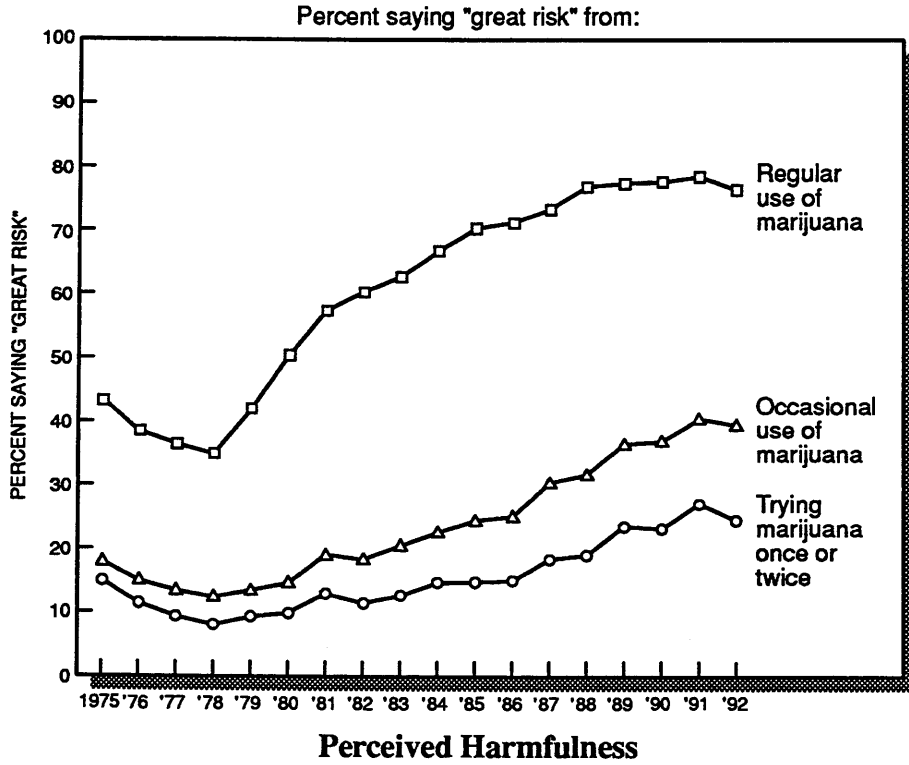


FIGURE 2

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

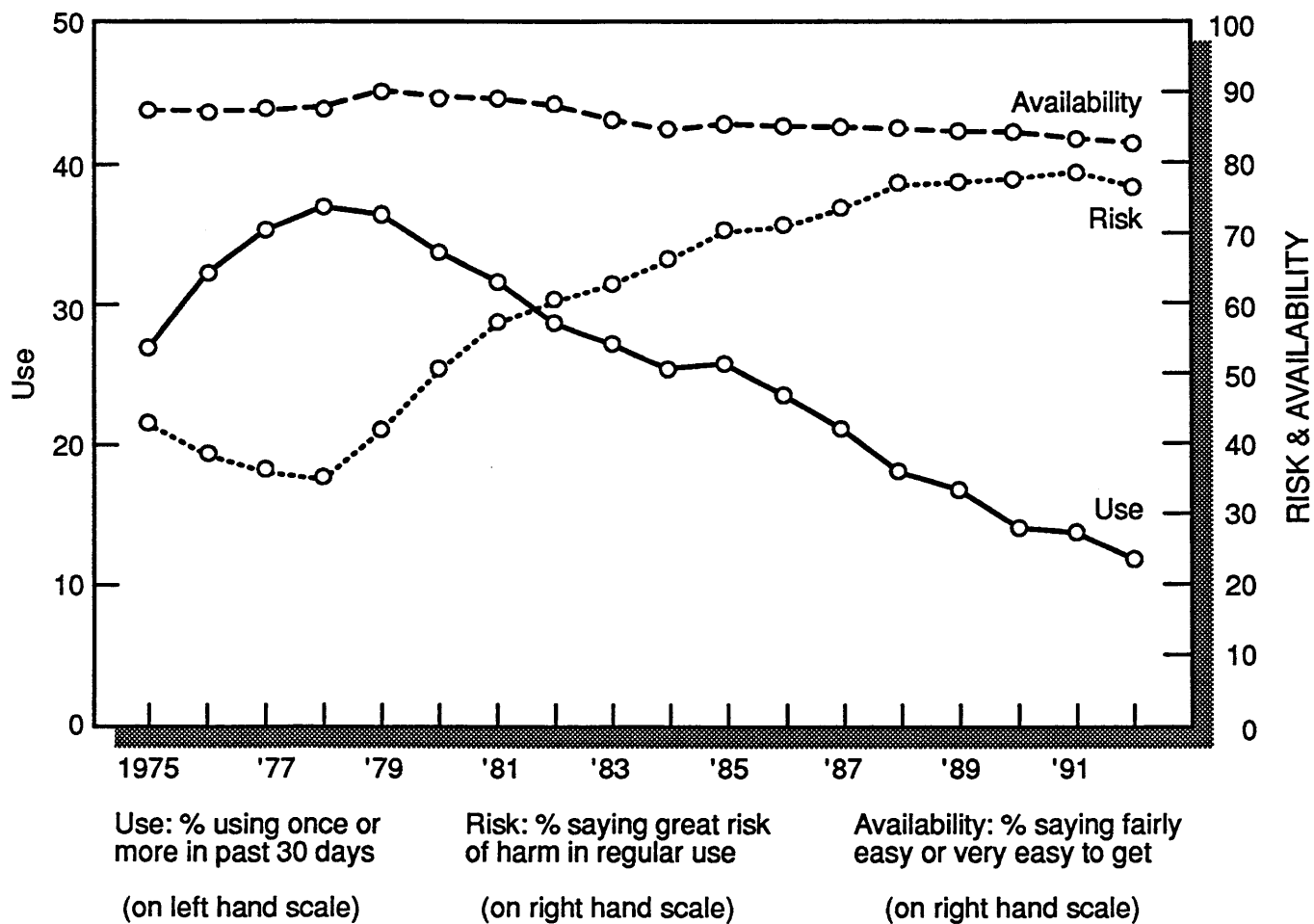


FIGURE 3

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

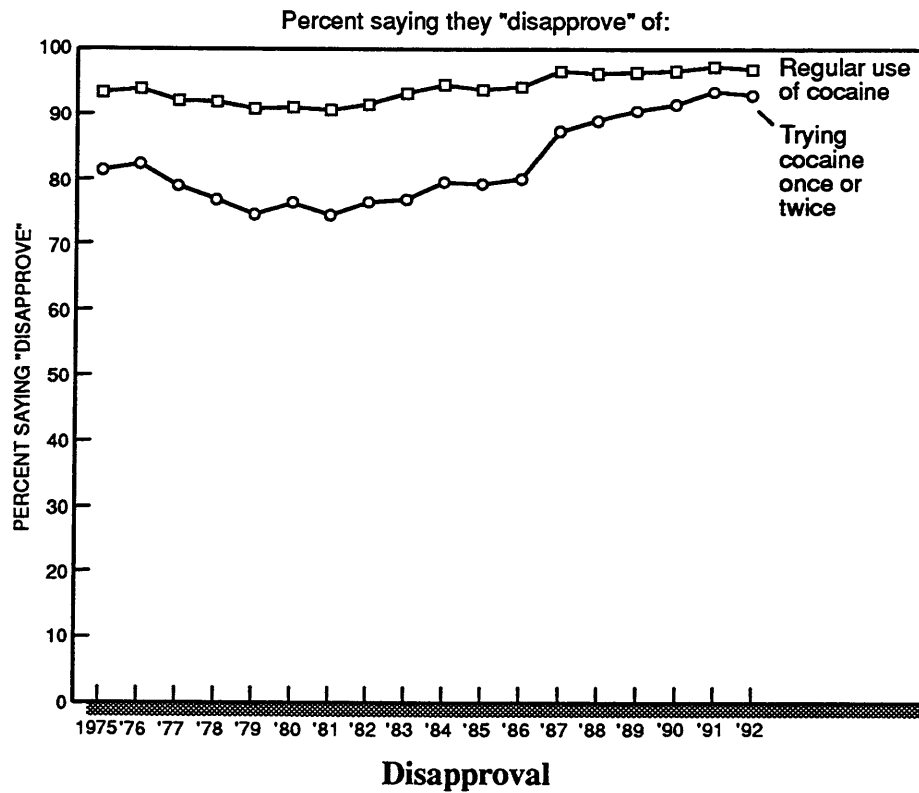
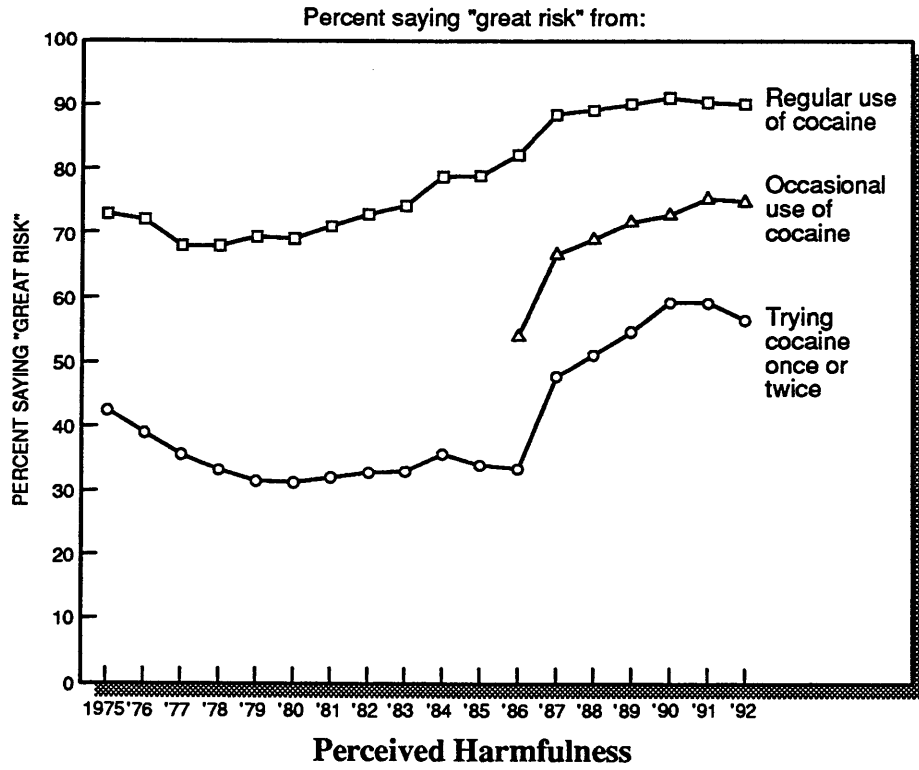
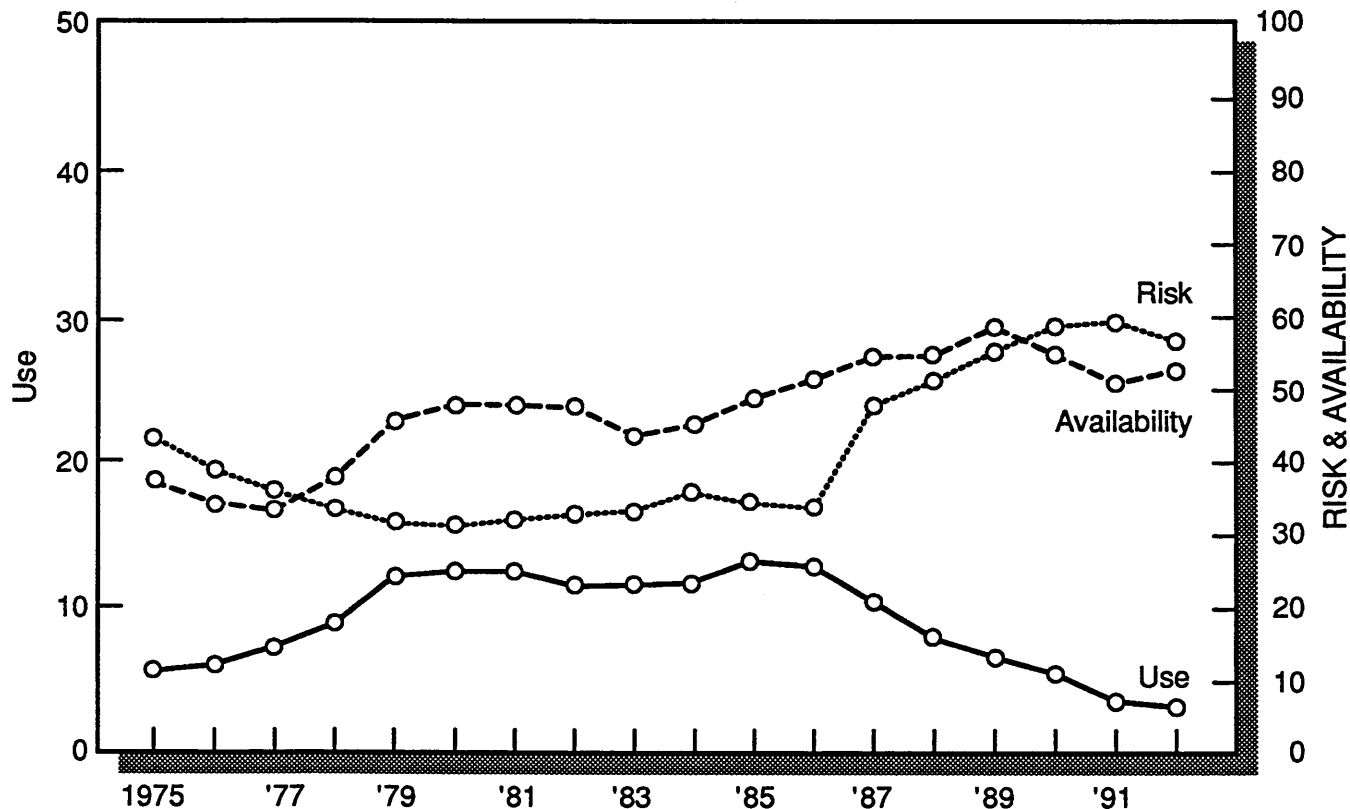


FIGURE 4

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



Use: % using once or more in past 12 months
(on left hand scale)

Risk: % saying great risk of harm in using once or twice
(on right hand scale)

Availability: % saying fairly easy or very easy to get
(on right hand scale)

FIGURE 5

Use of Selected Illicit Drugs by Eighth, Tenth, and Twelfth Graders, 1992

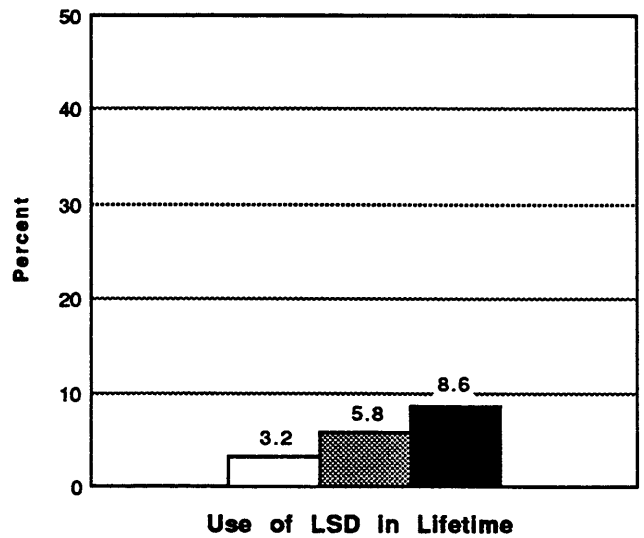
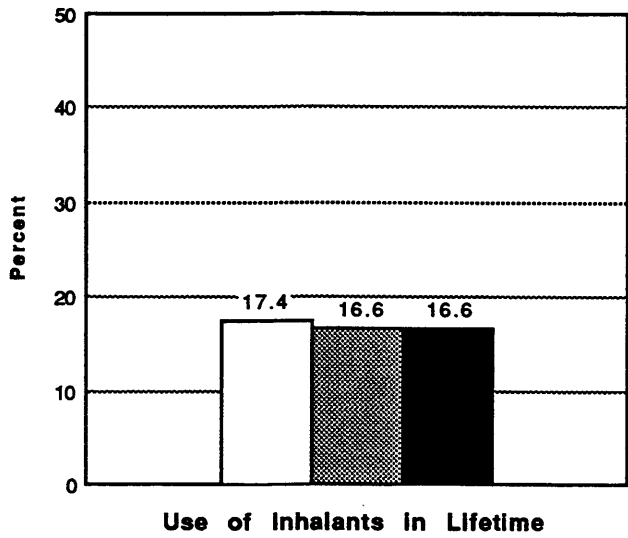
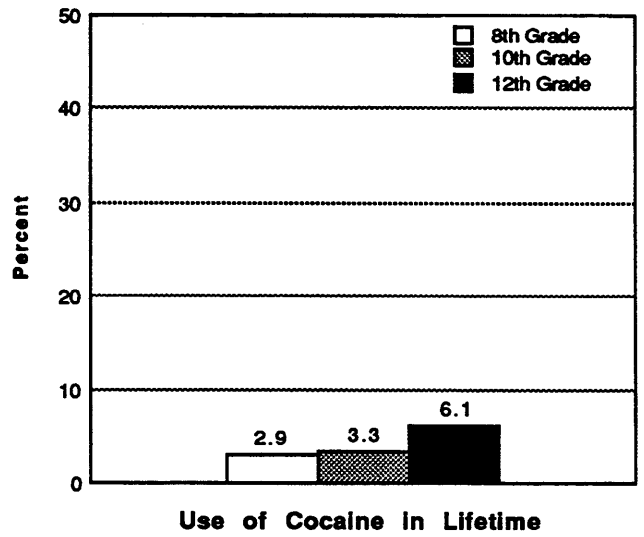
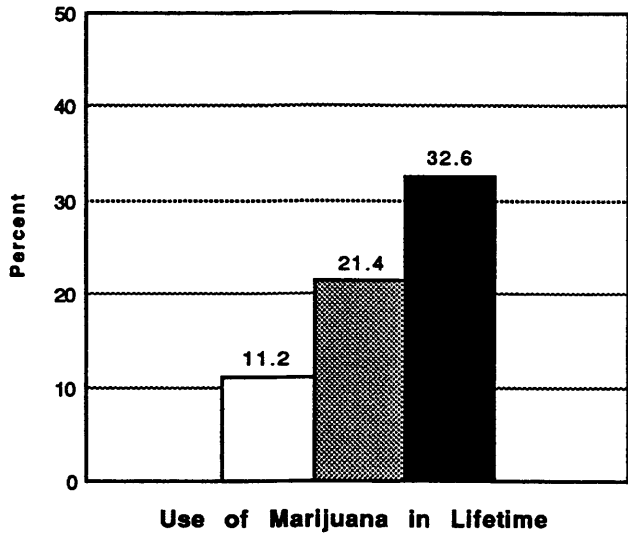


FIGURE 6

Use of Selected Licit Drugs by Eighth, Tenth and Twelfth Graders, 1992

