

FINAL REPORT

Mississippi In-School Adolescents Survey

(1996-97 Academic Year)

Bureau of Educational Research and Evaluation
College of Education
Mississippi State University

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Executive Summary

In 1996 the Mississippi Department of Mental Health contracted with the Bureau of Educational Research and Evaluation (BERE) at Mississippi State University to conduct a statewide survey of the prevalence of drug use, attitudes toward drugs, as well as several other concerns pertaining to substance usage among the 6th to 12th grade student population being served by the State's public schools. In addition to generally describing drug usage among in-school youth, a major concern was to discern what regions of the State, if any, have the greatest need for education and treatment services related to the use/abuse of drugs and other substances. With the preceding in mind, in the Fall of 1996 personnel in the BERE undertook the survey of 10,570 students from 527 classrooms within 84 schools within 58 (or 38%) of the school districts across Mississippi.

A comparison of the survey results related to **Lifetime and Past Month Prevalence** as compared to comparable results for a national sample of students across grades 8, 10, and 12 indicated (a) that Mississippi students reported lower **lifetime prevalence** on seven of the eight drugs considered (with the exception being alcohol) than did the national sample and (b) Mississippi students reported higher **past-month prevalence** than did the national sample on 6 of the 8 drugs considered. These results suggest that drug use may be on the rise in the State and the **lifetime prevalence** of future student cohorts may approximate the national average if that trend continues.

Analyses of **prevalence (lifetime, past-year, and past month) of use** and **frequency (lifetime, past-year, and past-month)** of use data clearly showed that for both variables there was an increase across grade levels (i.e., as respondent age increased so did **prevalence and frequency of drug use**, except for inhalants); and both the **prevalence and frequency of drug use** was greatest in region 7 and least in region 2, with the other 5 regions falling between these two extremes. Additional analyses suggested that for both dependent variables the differences across the other five regions varied somewhat, for different types of drugs.

The incidence of drug-related problems reported by the respondents generally increased across grade levels, with older students reporting more problems than younger students. Also, more problems were reported by students in region 7 than by the students in region 2, which parallels the findings for **prevalence and frequency for use** noted above.

Students' attitudes regarding the "dangerousness" of drugs were generally higher at the lower grade levels and decreased as grade level increased. Also, the attitudinal data suggested (1) perceptions of "dangerousness" increases as one moves from gateway to "hard core" drugs and (2) perceived "dangerousness" was generally rated higher by students in regions 2 and 3 than by students in regions 4 and 7.

The analyses of relationships between several demographic and background variables and **prevalence of use (past-year)** revealed strong, consistent (negative) relationships between **prevalence of use** and parents' level of communication with their children regarding school, students' grades in school (particularly for student who received mostly D's and F's), and students' involvement in school activities, including things like band, clubs, and athletics. At the same time, the use of drugs by parents and peers were both shown to be positively correlated with **prevalence of drug use**. These results clearly confirm findings from previous research and suggest areas that might be considered when trying to initiate remedial types of education or outreach programs.

The data regarding students' involvement in drug-related education, assistance, and treatment programs suggests (1) that older students are less involved in substance-related educational activities (except for assemblies involving guest speakers) and are less likely to go to or rely on adults (especially school personnel) if confronted by a drug-related problem than are younger students; and (2) that engagement in drug-related educational programs and willingness to obtain assistance from adults, including school personnel, are higher in region 2 than region 7 - which is the reverse trend from that found for the **prevalence and frequency of use** data.

Description of Survey

Background

The Mississippi In-School Adolescents Survey (MIAS) was undertaken in an effort to assess the prevalence and frequency of drug use, attitudes toward drugs and their usage, involvement in drug-related education and treatment efforts, along with other characteristics pertaining to substance usage among school age youth across the State of Mississippi. The specific purpose was to discern what regions of the State, if any, have the most pronounced need for educational and treatment services related to the use/abuse of drugs and other substances. The In-School Survey was one of a family of studies concerning substance usage sponsored by the Mississippi Department of Mental Health. This report deals only with the information secured as part of the survey of youth who were enrolled in grades 6 through 12 during the 1996-97 school year.

Survey Methods

The In-School Adolescents Survey was basically conducted in the Fall of 1996 with some follow-up activities occurring in the early portion of Spring, 1997. The students who responded were sampled from the seven sub-state regions created by the Mississippi Department of Mental Health - see figure 1. As alluded to above, a primary intent was to generate stable estimates of the prevalence of drug use, attitudes toward drugs, etc. for each of the regions identified as well as for the entire state. With that objective in mind, a cluster sampling approach was used. The clusters were 6th through 12th grade classes of students within schools, within school districts, within regions. All students within each randomly selected classroom participated in the survey if their parents' "passive consent"¹ was obtained and they were in attendance on the day(s) the survey was administered at their school.

Table 1 provides a summary of the numbers of sampled districts, schools, and students per

¹ The parents of all potential subjects were mailed an informed consent form. If the legal parent or guardian **did not want** their child to participate, they signed the consent form, returned it, and their child was not administered a survey instrument. Under this approach it was assumed that if parents did not return the mailed form they were consenting to have their child participate in the study (albeit, their consent was "passive").

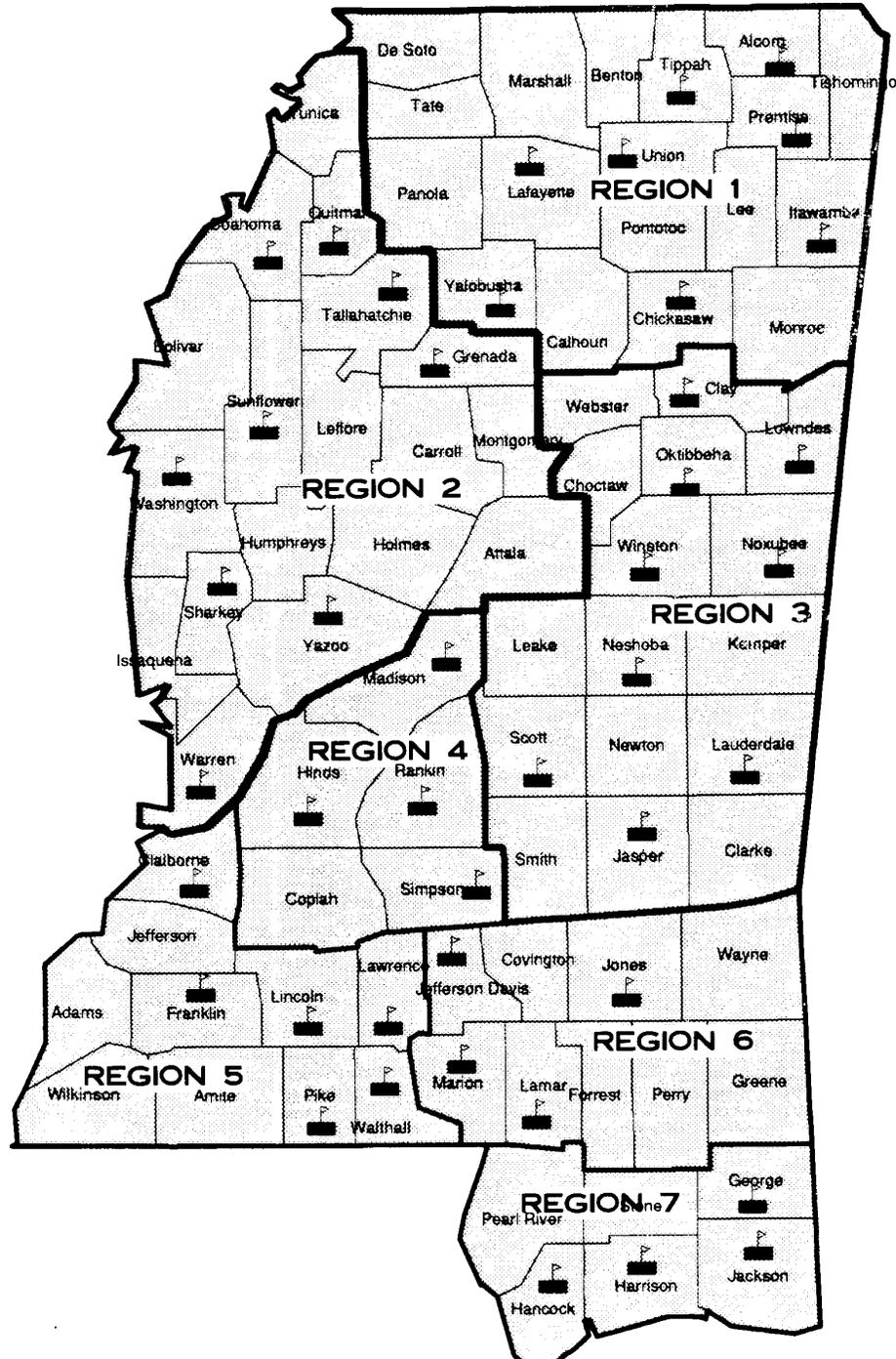


Figure 1. The Department of Mental Health's
7 Sub-State Planning Regions.

parentheses provided in the last 8 rows of that table represent the total number of students who attended school in each of the grades - regions specified, as reported by the State Department of Education (Annual Report of the State Superintendent of Public Education, 1997). Those numbers (i.e., the numbers in parentheses) were used to weight the responses of students during subsequent analyses.

Table 1
Overview of Survey Sample and Related Weights

UNIT	SUB-STATE REGIONS (see figure 1):							STATE
	I	II	III	IV	V	VI	VII	TOTAL
School Districts	11	10	12	5	8	5	7	58
Classrooms	88	85	79	86	90	40	59	527
Schools	15	13	12	12	12	9	11	84
Students - Grade 6	380 (5,948)	202 (6,837)	438 (5,510)	241 (6,304)	282 (2,913)	109 (3,888)	120 (5,828)	1,772 (37,230)
- Grade 7	321 (6,027)	251 (7,509)	98 (5,892)	261 (6,364)	281 (3,116)	198 (4,194)	147 (5,872)	1,557 (38,974)
- Grade 8	270 (5,708)	177 (6,807)	136 (5,815)	202 (6,171)	261 (2,920)	82 (4,141)	138 (5,687)	1,266 (37,249)
- Grade 9	381 (6,476)	266 (7,127)	194 (5,952)	335 (6,875)	240 (3,149)	120 (4,484)	181 (5,670)	1,717 (39,733)
- Grade 10	273 (5,237)	279 (5,952)	265 (5,298)	282 (5,103)	227 (2,592)	110 (3,386)	168 (5,346)	1,604 (32,914)
- Grade 11	267 (4,535)	174 (4,936)	258 (4,129)	189 (4,342)	261 (2,288)	90 (3,190)	122 (4,325)	1,361 (27,745)
- Grade 12	265 (4,041)	211 (4,297)	272 (3,758)	171 (3,798)	175 (2,145)	26 (2,803)	173 (3,807)	1,293 (24,649)
- Total (Grades 6 to 12)	2,157 (37,972)	1,560 (43,465)	1,661 (36,354)	1,681 (38,959)	1,727 (19,123)	735 (26,086)	1,049 (36,535)	10,570 ² (238,494)

² Although 11, 157 students responded to the survey, 587 were dropped from the analyses due to results of several key validity checks (e.g., they reported using a bogus drug or they reported no lifetime use of drugs but yearly or monthly usage).

As shown in Table 1, a total of 10,570 students were administered instruments and provided usable data as part of the Mississippi In-School Adolescents Survey. A brief description of the associated population of respondents is provided in Table 2.

Table 2
Selected Demographics of the Survey Respondents³

CHARACTERISTICS	NUMBERS/PERCENTAGES BY GRADE LEVELS:							STATE	
	6th	7th	8th	9th	10th	11th	12th	TOTAL	
TOTAL SAMPLE	- Students	37,230	38,974	37,249	39,733	32,914	27,745	24,649	238,494
GENDER	- Male	49.8%	49.7%	48.4%	47.3%	45.7%	45.1%	47.9%	47.8%
	- Female	50.2%	50.3%	51.6%	52.7%	54.3%	54.9%	52.1%	52.2%
SIBLINGS (Live with)	- None	12.8%	9.8%	12.9%	16.1%	17.3%	20.0%	23.0%	15.4%
	1	35.7%	34.5%	32.2%	34.9%	38.3%	35.5%	35.3%	35.1%
	2	25.4%	28.0%	27.2%	26.1%	23.2%	24.0%	20.8%	25.3%
	3	13.2%	14.2%	15.1%	12.2%	12.0%	11.9%	11.3%	13.0%
	4	5.8%	6.3%	5.2%	5.2%	4.0%	4.0%	5.4%	5.2%
	5 or More	7.1%	7.2%	7.3%	5.4%	5.2%	4.6%	4.2%	6.0%
RACE/ETHNICITY	- Asian	0.6%	0.2%	0.7%	0.7%	0.3%	0.6%	0.5%	0.5%
	- Black	56.1%	56.7%	55.7%	46.8%	49.2%	51.9%	50.7%	52.6%
	- Hispanic	0.5%	0.5%	0.5%	0.7%	0.6%	0.3%	0.2%	0.5%
	- White	41.1%	41.4%	42.5%	50.6%	48.6%	45.7%	47.7%	45.2%
	- Other	1.7%	1.2%	0.6%	1.1%	1.4%	1.6%	0.9%	1.2%
FAMILY STRUCTURE	- Live with both parents	63.8%	65.3%	63.4%	65.2%	67.2%	67.6%	63.7%	65.1%
	- Other Family Structure	36.2%	34.7%	36.6%	34.8%	32.8%	32.4%	36.3%	34.9%
QUALIFY FOR FREE LUNCH	- Yes	56.3%	58.3%	52.4%	43.5%	41.1%	40.5%	38.4%	48.0%
	- No	43.7%	41.3%	47.6%	56.5%	58.9%	59.5%	61.6%	52.0%
PARENTS BOTH COMPLETED HIGH SCHOOL	- Yes	84.5%	79.4%	79.4%	76.3%	75.5%	77.3%	75.6%	78.5%
	- No	15.5%	20.6%	20.6%	23.7%	24.5%	22.7%	24.4%	21.5%

³The sample was weighted up to the population size for this table. The incidence of missing data across characteristics varied from 1.2% (“gender”) to 3.8% for (“Parents Both Completed High School”).

Two different instruments were used during the survey. A 5-page form was used with students in grades 6 and 7 (see Appendix A), while a 7-page version was used with older students - grades 8 through 12 (see Appendix B). Although the common items used on the two instruments were roughly identical (the ordering of drugs varied and the 7-page instrument contained one to three additional response alternatives on several of the common items), the longer version (a) covered several issues (e.g., like where drugs/alcohol are most often used) not covered in the 5-page form and (b) covered some issues in greater depth. Both instruments, however, investigated reports of usage across five core substances (alcohol, marijuana, cocaine, hallucinogens, and heroin) specified by the Department of Mental Health. Attitudes toward drug and alcohol use and treatment, involvement in drug/alcohol education programs/activities, and pertinent demographic information were also addressed identically by both surveys. Finally, both instruments included a fictitious drug and the repetition of similar questions as aids in helping to identify invalid or exaggerated responses. (As noted in relation to Table 1, inappropriate responses to these items resulted in 587 students (5.2% of the original sample) being dropped from the final analyses.)

The usable questionnaires were scanned and processed by personnel in Mississippi State University's Office of Planning, Evaluation and Institutional Effectiveness. Subsequent analyses were performed using the SPSS statistical software package. As indicated earlier, to help insure accurate estimation of student-related usage, treatment needs, characteristics, etc., the grades within regions were weighted by the associated student population densities reported by the Mississippi State Department of Education.

During the course of the survey the following general administrative procedure was followed:

- (1) To allow for resolution of scheduling conflicts and other potential difficulties, district superintendents and subsequently, school principals where classrooms were selected were contacted early on - in the Spring of 1995, while the initial drafts of the survey instruments were being pilot tested. Then, they were contacted by mail and phone calls. These communications focused on clarifying study objectives and administrative procedures.
- (2) Relevant personnel in the selected schools were provided instructions and asked to identify their rosters of classes/teachers for the Fall 1996 term. These rosters were mailed to project staff and served as the sampling frames for subsequent random selection of the required classes of students.

- (3) Participating school personnel were then informed which classes were to be included in the survey. Subsequently, a schedule for the collection of the requisite data was established and project staff mailed out the parental consent forms to the homes of students identified as potential participants.
- (4) On the scheduled dates project staff visited the selected schools and collected the requisite data from students whose parents had not returned a form stating that their child should **not** be included in the study. The surveys were administered confidentially on a class-by-class basis by trained graduate assistants from the Bureau of Educational Research and Evaluation (BERE) at Mississippi State University. The strategy of using trained administrators from outside the sampled schools was employed for several reasons - to help ensure the respondents that no one at their school would see their “answers” (confidentiality) and to ensure that a more “standardized” administrative procedure was followed across all sites.

A number of key terms and related operational definitions were employed as part of the survey and associated analyses. Included among those basic terms were the following:

- **Illicit or illegal drugs** are used interchangeably and refer to substances scheduled under the Controlled Substances Act. Thus, illicit drugs used in this study refer to the use of steroids, marijuana, cocaine, crack, hallucinogens, uppers, downers, Ecstasy, and/or Roach. Although, the purchase, possession, and consumption of alcohol by anyone under 21, as well as the purchase of tobacco products and some inhalants by those under 18, are prohibited by Mississippi Law, those substances are not covered by the Controlled Substances Act and, therefore, are not included in the illicit or illegal drug category.
- **Prevalence** refers to the percentage of respondents reporting use of a substance or substances at a given time. For example, **current or past-month prevalence** refers to the percentage of students who reported using a designated substance or designated substances within the month preceding the survey. **Yearly prevalence** is represented by the percentage of students who reported using substances during the past year (but not necessarily within the month preceding the survey). Likewise, **lifetime prevalence** refers to the percentage of students who had used a substance or substances at least once during their lives, regardless of when last used.
- **Frequency of use** describes how often use of a specified substance or substances has occurred - usually within some specified timeframe, e.g., within the last 30 days, last year, or in one’s

lifetime.

- **Extent/Severity of Substance abuse** was assessed via several questions in which the respondents reported on the negative consequences they've experienced due to substance use. Basically, those questions dealt with the **extent/severity of alcohol use** and the **extent/severity of drug use**, where drugs refer to all illicit or illegal drugs.
- **Perceived dangers of substance usage** were assessed both from the students' and their parents' perspectives via series of questions in which they were asked how dangerous THEY or how dangerous THEY THOUGHT THEIR PARENTS felt it was for students their age to use different substances - tobacco products, alcohol, other illegal drugs.
- **Peer use and parental use** of different substances were both assessed via related series of items. Generally, those items dealt with the use of tobacco products, different forms of alcohol, and other drugs.
- **Time of use** deals with when substance usage is reported as occurring, e.g., before, during, or after school vs. during weekends.

In addition to the limitations associated with the operational definitions described above, several other key limitations regarding the Mississippi In-School Adolescents Survey need to be noted. First, the results can be generalized only to 6th through 12th grade public school students across the State, since they were the only students included in the study. As a result, K through 5th grade public school students, private school students, and all out-of-school youth (e.g., dropouts) are not represented although they represent very important segments of the youth population in Mississippi. Also, the study focused on identifying differences in drug use, attitudes, problems, etc. among the 7 regions noted in Figure 1. Given the size and mix of communities within those regions, they may represent heterogeneous mixes of locales with variant levels of drug usage, a fact that could "mask" any inter-regional differences (i.e., intra-regional variability may be greater than inter-regional variability). These limitations, along with those associated with the methodological approach used during the study and reflected in the operational definitions noted earlier, need to be kept in mind when considering the results and associated implications.

Brief Comparison with Selected National Data

Introduction

In 1996 the Institute for Social Research at the University of Michigan, with support from the National Institute of Drug Abuse (NIDA), developed national estimates of drug prevalence usage as part of its Monitoring the Future Study. During that survey data were collected on prevalence of tobacco, alcohol, and other substance usage from large representative samples of students from across the nation. In 1996 project data were secured from national samples of 18,368 eighth graders, 15,873 tenth graders, and 14,828 twelfth graders.

There are basic methodological differences between the Monitoring the Future Study and the Mississippi In-School Adolescents Survey, including differences in sampling design, data collection, and analytical protocols. In addition, the specific questions regarding substance usage asked in the two surveys varied slightly. Despite these variations, the prevalence information secured in the two instances are generally comparable. Given the differences indicated, however, caution needs to be exercised when comparing the two sets of estimates.

Across the two studies comparable prevalence estimates for seven substance categories are available - Cigarettes, Smokeless Tobacco, Steroids, Marijuana, Cocaine, Crack, and Hallucinogens. Furthermore, for each of these seven substances comparable **lifetime prevalence** estimates and **past month prevalence** estimates are available. These various comparative estimates across three grade levels are summarized in Tables 3 and 4, respectively.

Results of Comparisons

From the data summarized in Tables 3 and 4 some general trends may be extracted. One interesting finding is that the reported **monthly prevalence of drug use** among United States Students, across all eight (8) types of drugs studied **except for cocaine and crack**, is generally lower than the monthly prevalence reported by Mississippi students. At the same time, the **lifetime prevalence** reported by students across the United States regarding their drug use is higher than the lifetime prevalence rates reported by students in Mississippi. One exception exists relative to this general trend in lifetime prevalence rates - for alcohol higher lifetime prevalence rates were reported by Mississippi students than by the national sample of students.

Another interesting characteristic of the data is that the **lifetime prevalence estimates** for steroid, cocaine, crack and hallucinogen usage reported by Mississippi youth in the 8th grade are noticeably higher than their 10th grade counterparts and comparable or higher than the estimates observed for 12th graders. However, the **monthly prevalence rates** reported for these same

Table 3
Lifetime Prevalence of Selected Substance Usage among 8th, 10th, and
 12th Graders in Mississippi and Nationwide (1996)

SUBSTANCES	GRADE LEVELS	LIFETIME PREVALENCE ESTIMATES:	
		Mississippi	U.S.
Cigarettes	8th	42.2%	49.2%
	10th	52.7%	61.2%
	12th	53.4%	63.5%
Smokeless Tobacco	8th	16.7%	20.4%
	10th	20.7%	27.4%
	12th	22.2%	29.8%
Alcohol	8th	61.2%	55.3%
	10th	76.2%	71.8%
	12th	83.7%	79.2%
Steroids	8th	1.8%	1.8%
	10th	1.5%	1.8%
	12th	1.3%	1.9%
Marijuana	8th	14.5%	23.1%
	10th	27.2%	39.8%
	12th	32.5%	44.9%
Cocaine	8th	2.1%	4.5%
	10th	1.2%	6.5%
	12th	2.1%	7.1%
Crack	8th	1.2%	2.9%
	10th	0.9%	3.3%
	12th	1.2%	3.3%
Hallucinogens	8th	5.5%	5.9%
	10th	5.3%	10.5%
	12th	6.1%	14.0%

Table 4
Past-Month Prevalence of Selected Substance Usage among 8th, 10th, and
 12th Graders in Mississippi and Nationwide (1996)

SUBSTANCES	GRADE LEVELS	PAST-MONTH PREVALENCE ESTIMATES:	
		Mississippi	U.S.
Cigarettes	8th	25.9%	21.3%
	10th	28.9%	27.6%
	12th	30.8%	31.0%
Smokeless Tobacco	8th	9.9%	4.2%
	10th	10.8%	6.9%
	12th	9.9%	7.6%
Alcohol	8th	43.2%	26.2%
	10th	55.9%	40.4%
	12th	64.0%	50.8%
Steroids	8th	1.4%	0.6%
	10th	1.7%	0.5%
	12th	2.4%	0.6%
Marijuana	8th	10.5%	13.7%
	10th	18.2%	18.4%
	12th	23.5%	18.5%
Cocaine	8th	1.5%	1.7%
	10th	1.1%	2.5%
	12th	1.8%	3.4%
Crack	8th	0.7%	0.8%
	10th	0.3%	0.6%
	12th	0.6%	0.5%
Hallucinogens	8th	2.5%	1.6%
	10th	2.9%	3.0%
	12th	3.6%	3.5%

substances are greater for 10th and 12th graders, which is expected because generally the available research suggests that as age level goes up **drug use prevalence** increases. The observation that lifetime prevalence for the four indicated substances is greater among younger students, while monthly prevalence is more prominent among older students suggests that more younger students may be trying more drugs than before. If the trend of increased age means increased drug use, these younger students will have had an even broader exposure to drugs than the older cohort. This could lead to a more dramatic increase of drug use in the future than has been experienced to date.

Prevalence of Drug Use Across Substate Regions

Overview

As noted earlier in the overall Survey Description, the primary purpose of the Mississippi In-School Adolescents Survey (MIAS) was to determine what regions of the State, if any, have the most pronounced need for educational and treatment services related to the use or abuse of drugs among school-age youth. That purpose is addressed in the current section through the analysis of **prevalence** estimates across the 18 different drugs considered during the survey. More specifically, for each of those drugs three **prevalence** estimates - lifetime, past year, and past month - were generated. Furthermore, these three estimates were generated for (a) each grade level by substate region, (b) each grade level, and (c) each substate region - with the latter of these sets of estimates being the one of most interest due to their direct link with the purpose noted above. In addition, the sets of substate region and grade level estimates are in all probability the most stable given the associated sample sizes and overall sampling design.

When developing the sets of **prevalence** estimates the 18 drugs alluded to above were grouped in terms of the following scheme:

<u>CATEGORY</u>	<u>DRUGS INCLUDED</u>
Tobacco Products	Cigarettes, Smokeless Tobacco
Alcohol	Beer, Wine Coolers, Wine, Liquor
Inhalants	Inhalants
Steroids	Steroids
Cannabis	Marijuana
Hallucinogens	Hallucinogens
Stimulants	Cocaine, Uppers, Ecstasy, Ice, Crack
Depressants	Downers, Heroin, Roche

Results of Prevalence Analyses

The **prevalence** estimates developed for each of these categories of drugs are summarized in Tables 5 through 12. Inspection of any one of those tables reveals that for each set of substate **prevalence** estimates (i.e., those for Lifetime, Past Year, and Past Month) a substate **ANALYSIS** was conducted. Each such analysis was undertaken via a one-way analysis of variance (ANOVA,

$\alpha = .05$) with Scheffe' followups ($\alpha = .10$). The summaries of the analyses provided in Tables 5 through 12 look as follows:

ANALYSIS: $F(6,10187) = 34.6^{**}$; $2 < 1, 3, 4, 5, 6, 7$; $6 < 1, 7$; and $3 < 1$

Summary ANOVA results - $df_1 = 6$, $df_2 = 10187$,
Observed $F = 34.6$, and $**$ indicates $p < .0000$
(while $*$ is used to indicate $p < .05$ and
NS denotes "Not Significant").

These are the results of the post hoc
Scheffe' pairwise contrasts, e.g., $6 < 1, 7$
means the **prevalence** for Region 6 is less
than the **prevalence** estimates for both
Regions 1 and 7.

The statistical results described above could serve as one guide for looking at the **prevalence** data secured via the MIAS and deciding which substate regions had the highest relative **prevalence** rates for the different drugs considered. Generally, the results summarized in Tables 5 through 12 suggest that the **prevalence** of drug usage across all 8 types or categories of drugs is lowest in Region 2. However, beyond that, the information they provide is not clear/obvious. For example, although regions 1, 5 and 7 seem to have higher **prevalence** rates than several of the other regions the statistical criterion used does not consistently indicate this to be the case.

An Alternative Analysis of Regional Prevalence Estimates

Given the relative sparsity of conclusions regarding inter-regional differences that could be drawn from the statistical approach outlined above, an alternative strategy was implemented. That strategy involves the establishment of a 95% confidence interval for each statewide **prevalence** estimate and then looking at each regional estimate and classifying it as being less than, "equal to," or greater than the associated statewide estimate. The application of this approach to the regional summaries provided in Tables 5 through 12 yielded the results shown in Table 13.

Table 5

Prevalence of Tobacco Product Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	PREVALENCE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Cigarettes	Lifetime	6TH	31.7%	19.6%	34.4%	23.3%	28.9%	22.6%	25.6%	26.3%	
		7TH	45.4%	34.2%	27.8%	34.0%	42.0%	44.0%	46.9%	38.6%	
		8TH	56.9%	24.5%	46.2%	45.4%	50.0%	31.7%	44.4%	42.2%	
		9TH	53.0%	42.3%	52.4%	48.6%	59.9%	50.4%	65.1%	52.0%	
		10TH	58.1%	44.5%	50.0%	54.1%	54.7%	47.2%	60.7%	52.7%	
		11TH	52.1%	38.7%	47.6%	59.1%	65.5%	50.6%	52.5%	51.1%	
		12TH	54.7%	43.5%	52.9%	59.8%	51.2%	56.0%	57.0%	53.4%	
		6 thru 12	49.6%	34.6%	43.8%	44.6%	49.8%	42.4%	49.3%	44.4%	
		ANALYSIS: F(6,10187) = 19.6**; 2 < 1, 3, 4, 5, 6, 7; 6 < 1, 7; and 3 < 1									
	Past-Year	6TH	23.4%	12.4%	23.3%	15.7%	21.8%	9.4%	20.0%	17.9%	
		7TH	35.1%	24.2%	22.1%	24.5%	31.0%	35.6%	34.5%	29.0%	
		8TH	37.1%	18.8%	25.2%	24.0%	36.3%	19.7%	22.0%	25.3%	
		9TH	35.7%	25.6%	30.4%	27.7%	37.7%	32.3%	42.7%	32.1%	
		10TH	32.2%	26.5%	26.6%	31.3%	28.3%	32.6%	31.2%	30.1%	
		11TH	30.0%	22.0%	25.7%	27.7%	40.7%	24.9%	22.7%	26.5%	
		12TH	33.3%	21.3%	26.3%	24.7%	31.8%	41.1%	31.8%	30.6%	
		6 thru 12	32.2%	21.3%	25.5%	25.2%	32.0%	26.8%	29.4%	27.0%	
		ANALYSIS: F(6,8751) = 10.5**; 2 < 1, 5, 7; 4 < 1, 5; and 3 < 1									
	Past-Month	6TH	12.2%	7.0%	10.0%	9.3%	10.7%	9.7%	13.4%	10.2%	
		7TH	21.5%	16.7%	10.6%	15.0%	16.8%	18.4%	19.1%	16.6%	
		8TH	33.6%	16.3%	28.5%	24.7%	38.4%	25.0%	22.2%	25.9%	
9TH		30.9%	23.7%	25.3%	27.2%	36.5%	35.5%	37.6%	29.9%		
10TH		32.5%	24.6%	26.2%	32.6%	32.0%	24.5%	31.7%	28.9%		
11TH		31.1%	20.8%	25.5%	30.7%	37.8%	29.5%	27.4%	27.9%		
12TH		30.5%	23.7%	24.9%	31.1%	30.7%	47.4%	34.5%	30.8%		
6 thru 12		27.1%	18.8%	21.3%	23.0%	28.6%	26.2%	25.8%	23.8%		
ANALYSIS: F(6,8640) = 8.3**; 2 < 1, 5, 6, 7; and 3 < 1, 5											

Table 5-Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	PREVALENCE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Smokeless Tobacco	Lifetime	6TH	10.1%	1.5%	9.4%	9.1%	8.4%	5.8%	5.2%	6.9%	
		7TH	21.4%	5.1%	3.1%	12.7%	17.0%	14.8%	19.3%	12.8%	
		8TH	22.3%	4.9%	13.7%	15.3%	22.4%	21.3%	22.9%	16.7%	
		9TH	22.6%	12.6%	24.1%	23.3%	29.1%	19.6%	23.6%	21.5%	
		10TH	25.3%	9.4%	21.3%	23.9%	25.8%	17.9%	24.4%	20.7%	
		11TH	20.2%	12.9%	21.7%	29.7%	23.5%	23.5%	27.4%	22.4%	
		12TH	21.6%	10.6%	20.3%	30.2%	21.6%	34.8%	21.6%	22.2%	
	6 thru 12	20.3%	7.8%	15.7%	19.5%	21.0%	18.8%	20.2%	17.1%		
	ANALYSIS: F(6,10121) = 25.8**; 2 < 1, 3, 4, 5, 6, 7; and 3 < 1, 5, 7										
	Past-Year	6TH	10.1%	2.6%	7.8%	3.5%	4.5%	4.8%	5.2%	5.5%	
		7TH	15.7%	4.8%	4.2%	10.8%	15.9%	11.7%	14.0%	10.5%	
		8TH	13.8%	1.4%	8.0%	7.9%	10.7%	13.7%	8.0%	8.6%	
		9TH	12.7%	4.8%	13.4%	12.0%	16.4%	9.4%	14.5%	11.4%	
10TH		13.1%	6.1%	10.6%	9.7%	10.8%	5.0%	15.7%	10.2%		
11TH		8.7%	5.5%	11.1%	16.4%	13.5%	3.8%	16.4%	10.7%		
12TH		11.7%	3.9%	10.9%	14.7%	9.9%	14.3%	11.4%	10.7%		
6 thru 12	12.4%	4.1%	9.2%	10.1%	11.7%	9.0%	12.0%	9.5%			
ANALYSIS: F(6,9643) = 15.1**; 2 < 1, 3, 4, 5, 6, 7											
Past-Month	6TH	3.5%	1.9%	3.9%	2.9%	3.0%	2.1%	2.1%	2.7%		
	7TH	7.3%	2.9%	0.0%	3.5%	8.4%	3.9%	5.1%	4.1%		
	8TH	14.3%	2.7%	9.4%	9.3%	14.3%	10.4%	11.8%	9.9%		
	9TH	13.5%	7.4%	13.3%	15.6%	19.2%	12.3%	18.8%	13.8%		
	10TH	15.4%	5.0%	10.8%	12.2%	12.5%	6.7%	13.8%	10.8%		
	11TH	11.8%	7.8%	11.0%	14.8%	13.8%	7.5%	18.1%	12.1%		
	12TH	9.7%	4.0%	10.8%	14.5%	10.1%	9.5%	11.9%	9.9%		
6 thru 12	10.8%	4.6%	8.3%	10.0%	11.9%	7.6%	11.7%	9.1%			
ANALYSIS: F(6,9229) = 11.7**; 2 < 1, 3, 4, 5, 7; and 6 < 7											

Table 6
Prevalence of Inhalant Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	PREVALENCE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
(e.g., glue or gas)	Lifetime	6TH	8.2%	6.6%	8.0%	4.8%	7.1%	5.9%	8.6%	7.0%	
		7TH	14.5%	4.7%	11.3%	15.0%	13.0%	13.6%	14.6%	12.1%	
		8TH	14.9%	4.3%	17.7%	23.2%	17.9%	10.1%	13.5%	14.4%	
		9TH	19.4%	11.1%	13.1%	15.3%	20.9%	16.8%	21.8%	16.4%	
		10TH	18.0%	7.1%	13.8%	14.1%	12.8%	14.2%	12.7%	13.0%	
		11TH	9.8%	9.3%	10.5%	12.6%	13.6%	10.3%	12.5%	10.8%	
		12TH	13.6%	8.7%	10.5%	8.3%	7.6%	0.0%	13.7%	8.7%	
	6 thru 12	13.6%	7.3%	12.3%	13.7%	13.6%	10.6%	13.9%	12.0%		
	ANALYSIS: F(6,10164) = 9.3**; 2 < 1, 3, 4, 5, 7; 6 < 4, 7										
	Past-Year	6TH	5.5%	3.2%	6.5%	3.5%	4.4%	2.9%	7.1%	4.8%	
		7TH	6.8%	2.8%	4.2%	11.9%	7.3%	5.4%	6.3%	6.4%	
		8TH	10.6%	2.6%	12.4%	14.4%	11.9%	5.1%	4.6%	8.7%	
		9TH	14.4%	6.0%	7.9%	13.6%	14.6%	9.9%	18.5%	11.9%	
10TH		13.7%	4.9%	8.6%	9.8%	11.6%	11.5%	13.9%	10.3%		
11TH		5.6%	7.7%	7.8%	9.4%	9.5%	6.1%	10.8%	8.1%		
12TH		5.1%	5.8%	7.4%	4.3%	8.4%	0.0%	11.5%	6.2%		
6 thru 12	9.0%	4.6%	7.9%	9.9%	9.7%	6.1%	10.3%	8.1%			
ANALYSIS: F(6,9987) = 9.7**; 2 < 1, 3, 4, 5, 7; and 6 < 4, 7											
Past-Month	6TH	2.5%	3.9%	3.8%	1.0%	4.8%	4.2%	3.2%	3.1%		
	7TH	4.5%	4.9%	3.6%	9.1%	3.9%	2.5%	5.1%	5.1%		
	8TH	9.5%	5.2%	11.5%	15.7%	13.1%	8.9%	9.9%	10.4%		
	9TH	14.4%	7.2%	7.6%	11.6%	15.4%	11.7%	16.1%	11.6%		
	10TH	11.9%	5.9%	9.1%	8.2%	11.2%	8.4%	10.7%	9.1%		
	11TH	5.0%	5.8%	5.9%	7.6%	11.7%	6.8%	8.3%	7.0%		
	12TH	7.1%	5.3%	5.4%	4.9%	6.5%	0.0%	10.2%	5.8%		
6 thru 12	8.2%	5.5%	6.9%	8.6%	9.8%	6.5%	9.3%	7.7%			
ANALYSIS: F(6,9574) = 4.5**; 2 < 4, 5, 7											

Table 7

Prevalence of Alcohol Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	PREVALENCE ESTIMATES ACROSS - - - SUB-STATE REGIONS:							TOTAL STATE	
			1	2	3	4	5	6	7		
Beer	Lifetime	6TH	29.9%	20.7%	35.6%	22.7%	30.6%	32.7%	28.7%	27.9%	
		7TH	41.7%	38.0%	38.8%	33.6%	44.2%	43.2%	36.6%	38.8%	
		8TH	55.3%	33.3%	47.3%	46.9%	59.1%	41.0%	46.6%	46.2%	
		9TH	54.0%	52.9%	56.6%	57.7%	59.7%	60.2%	69.5%	58.2%	
		10TH	59.5%	61.4%	62.4%	61.5%	66.2%	62.3%	70.1%	63.2%	
		11TH	68.3%	50.9%	67.3%	69.0%	76.6%	64.0%	70.3%	65.7%	
		12TH	68.9%	66.4%	68.7%	71.0%	70.2%	83.3%	74.3%	71.3%	
	6 thru 12	52.5%	44.7%	52.3%	49.5%	56.7%	53.4%	54.9%	51.4%		
	ANALYSIS: F(6,10146) = 9.3**; 2 < 1, 3, 5, 6, 7; and 4 < 5										
	Past-Year	6TH	22.2%	15.2%	24.5%	16.1%	18.2%	21.9%	17.2%	19.1%	
		7TH	31.8%	26.3%	31.6%	24.4%	34.2%	33.0%	28.5%	29.4%	
		8TH	44.2%	24.5%	30.3%	35.2%	50.9%	37.7%	36.1%	35.7%	
		9TH	47.0%	43.6%	45.6%	47.1%	50.8%	40.4%	63.8%	48.2%	
10TH		50.3%	50.2%	45.3%	51.5%	51.1%	61.1%	54.7%	51.6%		
11TH		55.3%	39.7%	54.4%	57.0%	67.3%	54.9%	58.5%	53.9%		
12TH		54.6%	51.8%	51.0%	63.0%	59.6%	64.7%	59.8%	57.2%		
6 thru 12	41.8%	33.9%	38.3%	38.7%	45.0%	41.9%	42.4%	39.7%			
ANALYSIS: F(6,9105) = 7.0**; 2 < 1, 5, 6, 7											
Past-Month	6TH	10.4%	10.2%	10.6%	7.8%	9.0%	10.3%	9.8%	9.7%		
	7TH	20.5%	17.8%	17.2%	12.7%	15.6%	21.9%	16.4%	17.3%		
	8TH	38.1%	17.2%	24.6%	29.0%	41.8%	25.7%	31.0%	28.7%		
	9TH	36.7%	35.0%	38.2%	39.0%	42.4%	34.3%	51.8%	39.4%		
	10TH	42.7%	41.4%	35.0%	44.2%	45.8%	39.2%	53.6%	43.2%		
	11TH	46.7%	34.2%	44.8%	48.5%	57.2%	40.5%	64.1%	47.5%		
	12TH	46.2%	45.9%	44.6%	50.3%	43.0%	50.0%	59.4%	48.8%		
6 thru 12	33.4%	27.8%	29.5%	30.9%	35.3%	30.2%	39.3%	32.1%			
ANALYSIS: F(6,9299) = 10.1*; 2 < 1, 5, 7; and 1, 3, 4, 6 < 7											

Table 7 - Continued

PREVALENCE ESTIMATES ACROSS - - -

Table 7 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	SUB-STATE REGIONS:							TOTAL STATE	
			1	2	3	4	5	6	7		
Wine Coolers	Lifetime	6TH	24.9%	18.3%	28.9%	22.6%	28.5%	33.3%	27.6%	25.5%	
		7TH	43.0%	36.8%	38.8%	35.2%	41.7%	46.8%	41.3%	40.0%	
		8TH	52.6%	33.1%	45.4%	50.0%	63.3%	47.5%	52.6%	47.9%	
		9TH	56.2%	55.9%	61.3%	57.3%	62.6%	57.4%	68.2%	59.5%	
		10TH	59.3%	63.6%	60.7%	64.3%	66.2%	64.2%	76.2%	65.0%	
		11TH	71.6%	59.3%	69.8%	75.3%	81.0%	67.1%	72.5%	70.1%	
		12TH	71.9%	73.3%	73.8%	69.0%	69.4%	76.9%	76.9%	73.1%	
		6 thru 12	52.6%	47.7%	52.4%	51.1%	57.6%	54.8%	57.7%	52.7%	
	ANALYSIS: F(6,10163) = 9.1**; 2 < 1, 3, 5, 6, 7; and 4 < 7										
	Past-Year	6TH	18.5%	12.8%	22.1%	17.6%	19.9%	22.9%	18.0%	18.3%	
		7TH	31.7%	24.3%	32.0%	29.6%	33.9%	40.0%	24.3%	30.0%	
		8TH	41.2%	24.8%	28.8%	37.9%	50.0%	41.3%	40.3%	36.4%	
		9TH	45.1%	45.5%	43.8%	44.0%	48.5%	45.5%	58.4%	47.0%	
		10TH	47.5%	49.0%	47.7%	55.5%	51.8%	49.0%	64.3%	52.4%	
		11TH	60.2%	47.0%	55.8%	61.0%	68.3%	43.5%	62.4%	56.6%	
		12TH	60.7%	60.2%	56.5%	58.4%	54.7%	65.2%	69.0%	60.9%	
		6 thru 12	41.3%	35.2%	38.8%	40.8%	44.8%	42.5%	45.0%	40.7%	
	ANALYSIS: F(6,9410) = 7.0**; 2 < 1, 5, 6, 7; and 3 < 7										
	Past-Month	6TH	8.3%	7.1%	8.3%	6.6%	9.2%	10.6%	7.2%	7.9%	
		7TH	17.1%	16.5%	16.3%	17.4%	12.2%	23.2%	14.6%	16.8%	
		8TH	35.4%	20.6%	24.4%	30.2%	45.9%	30.3%	32.5%	30.2%	
		9TH	40.8%	37.9%	35.8%	39.4%	40.9%	37.1%	47.9%	39.9%	
		10TH	41.1%	41.3%	41.5%	45.0%	47.2%	36.3%	58.2%	44.6%	
		11TH	49.6%	40.6%	46.0%	54.8%	59.2%	35.4%	57.5%	48.8%	
		12TH	51.7%	52.7%	52.3%	51.6%	51.3%	59.1%	60.0%	54.0%	
6 thru 12		33.8%	30.0%	30.8%	33.1%	37.3%	31.9%	38.6%	33.4%		
ANALYSIS: F(6,9315) = 6.2**; 2 < 5, 7; 3 < 7; and 6 < 7											

Table 7 - Continued

PREVALENCE ESTIMATES ACROSS - - -										
TYPE OF	GRADE	SUB-STATE REGIONS:							TOTAL	

Table 7 - Continued

SUBSTANCE	ESTIMATE	LEVELS	1	2	3	4	5	6	7	STATE	
Wine	Lifetime	6TH	15.3%	9.7%	17.6%	15.5%	14.8%	19.2%	20.5%	15.8%	
		7TH	26.4%	15.5%	16.5%	26.5%	26.6%	28.8%	33.8%	24.4%	
		8TH	37.3%	22.5%	32.3%	39.6%	45.3%	34.6%	40.9%	35.2%	
		9TH	40.3%	38.3%	42.9%	46.3%	50.6%	40.7%	64.0%	45.6%	
		10TH	43.0%	46.5%	45.1%	52.6%	51.6%	41.1%	67.5%	50.1%	
		11TH	54.7%	40.2%	55.5%	59.9%	70.2%	50.0%	70.0%	56.3%	
	12TH	53.8%	56.2%	57.3%	64.1%	51.5%	60.0%	70.8%	59.5%		
	6 thru 12	37.3%	31.0%	36.4%	41.3%	43.1%	37.9%	50.6%	39.3%		
	ANALYSIS: F(6,10129) = 26.0**; 2 < 1, 4, 5, 6, 7; and 1, 3, 4, 5, 6 < 7										
	Past-Year	6TH	10.1%	6.3%	12.3%	8.9%	11.4%	17.9%	14.2%	11.1%	
		7TH	21.9%	13.1%	12.6%	19.9%	19.3%	22.6%	22.4%	18.5%	
		8TH	31.3%	16.7%	22.8%	30.8%	36.0%	30.8%	32.5%	27.9%	
9TH		34.6%	30.6%	33.5%	38.4%	35.5%	34.0%	55.6%	37.4%		
10TH		30.5%	35.5%	32.9%	43.6%	39.6%	34.3%	58.0%	39.5%		
11TH		42.9%	34.6%	46.3%	51.5%	59.4%	30.3%	58.9%	45.9%		
12TH	47.4%	42.6%	44.3%	50.0%	43.3%	42.9%	61.2%	47.7%			
6 thru 12	29.7%	23.8%	27.3%	32.3%	33.0%	29.4%	40.7%	30.6%			
ANALYSIS: F(6,9912) = 20.3**; 2 < 1, 4, 5, 7; and 1, 3, 4, 5, 6 < 7											
Past-Month	6TH	3.2%	3.1%	4.8%	2.4%	5.6%	6.7%	7.8%	4.5%		
	7TH	12.4%	4.7%	2.4%	10.3%	5.9%	16.2%	9.8%	8.6%		
	8TH	26.8%	13.6%	21.5%	22.3%	32.1%	21.3%	27.6%	22.9%		
	9TH	26.3%	26.3%	27.8%	34.1%	30.9%	32.1%	47.6%	31.9%		
	10TH	32.0%	29.4%	33.2%	39.2%	37.3%	19.6%	53.9%	35.7%		
	11TH	35.0%	31.3%	38.3%	45.8%	47.7%	32.1%	54.6%	40.5%		
	12TH	40.3%	36.0%	38.3%	42.1%	38.9%	40.9%	56.4%	42.0%		
	6 thru 12	24.4%	20.1%	22.8%	26.5%	27.6%	23.5%	36.2%	25.7%		
ANALYSIS: F(6,9263) = 20.5**; 2 < 4, 5, 7; and 1, 3, 4, 5, 6 < 7											

Table 7 - Continued

PREVALENCE ESTIMATES ACROSS - - -										
SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	SUB-STATE REGIONS:							TOTAL STATE
			1	2	3	4	5	6	7	

Liquor	Lifetime	6TH	12.3%	7.6%	11.5%	8.8%	9.2%	13.3%	9.6%	10.2%	
		7TH	23.6%	16.3%	14.4%	18.1%	20.7%	20.9%	24.5%	19.6%	
		8TH	31.2%	20.4%	32.8%	30.4%	35.6%	30.4%	33.8%	30.1%	
		9TH	41.5%	36.9%	39.0%	39.1%	45.3%	43.8%	54.9%	42.3%	
		10TH	46.4%	47.2%	46.2%	46.9%	54.6%	51.9%	63.7%	50.7%	
		11TH	56.1%	43.9%	52.6%	58.7%	66.7%	53.5%	65.8%	55.9%	
		12TH	57.9%	60.6%	55.0%	60.2%	51.5%	76.9%	69.1%	61.6%	
	6 thru 12	56.7%	31.1%	34.1%	34.8%	38.8%	39.4%	43.7%	36.5%		
	ANALYSIS: F(6,10138) = 11.6**; 2 < 1, 5, 6, 7; and 1, 3, 4 < 7										
	Past-Year	6TH	9.5%	4.1%	7.5%	5.2%	6.2%	10.5%	7.0%	6.9%	
		7TH	19.1%	11.1%	10.5%	12.3%	14.9%	17.7%	14.9%	14.0%	
		8TH	25.1%	9.7%	23.8%	23.2%	29.7%	18.2%	26.0%	21.7%	
		9TH	32.4%	29.2%	28.5%	32.9%	39.7%	36.5%	46.4%	34.3%	
10TH		35.3%	36.3%	33.8%	33.6%	45.7%	43.2%	50.7%	39.1%		
11TH		45.4%	34.2%	40.5%	47.8%	54.2%	38.6%	53.4%	44.2%		
12TH		47.9%	45.5%	40.4%	52.1%	39.6%	57.1%	58.1%	48.8%		
6 thru 12	28.4%	22.1%	24.4%	26.4%	30.6%	29.1%	33.2%	27.3%			
ANALYSIS: F(6,9368) = 10.4**; 2 < 1, 5, 6, 7; and 3, 4 < 7											
Past-Month	6TH	3.6%	2.5%	3.8%	1.9%	3.1%	8.4%	4.5%	3.8%		
	7TH	11.0%	4.7%	2.4%	8.9%	6.1%	11.5%	6.8%	7.2%		
	8TH	24.1%	10.3%	20.7%	18.8%	21.2%	19.7%	20.2%	19.0%		
	9TH	27.1%	25.7%	24.7%	29.7%	30.5%	29.5%	40.0%	29.3%		
	10TH	33.6%	29.2%	29.7%	32.8%	35.8%	28.0%	48.0%	34.0%		
	11TH	41.1%	34.8%	33.2%	46.3%	45.4%	34.6%	50.9%	40.8%		
	12TH	40.7%	40.2%	33.3%	49.1%	34.0%	59.1%	56.9%	44.8%		
6 thru 12	25.0%	20.3%	20.3%	24.6%	24.4%	25.6%	31.6%	24.4%			
ANALYSIS: F(6,9177) = 11.3**; 1, 2, 3, 4, 5, 6 < 7											

Table 8

Prevalence of Steroid Usage Across Grade Levels by Regions and Total State

PREVALENCE ESTIMATES ACROSS - - -

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	SUB-STATE REGIONS:							TOTAL STATE	
			1	2	3	4	5	6	7		
Steroids	Lifetime	6TH	0.8%	0.5%	0.5%	0.4%	0.8%	1.9%	0.9%	0.8%	
		7TH	1.7%	0.5%	1.0%	1.6%	0.7%	1.1%	0.7%	1.0%	
		8TH	1.6%	0.6%	1.6%	1.5%	3.1%	3.8%	1.5%	1.8%	
		9TH	0.5%	2.0%	1.6%	1.8%	2.1%	2.7%	4.0%	2.0%	
		10TH	1.2%	1.1%	0.4%	1.5%	0.5%	1.9%	3.6%	1.5%	
		11TH	1.2%	0.6%	0.4%	2.2%	0.8%	2.4%	0.8%	1.2%	
		12TH	0.4%	1.4%	1.0%	2.4%	0.6%	0.0%	2.4%	1.3%	
		6 thru 12	1.1%	1.0%	1.0%	1.6%	1.3%	2.1%	2.0%	1.4%	
	ANALYSIS: F(6,10161) = 2.4*; (No differences detected.)										
	Past-Year	6TH	0.3%	0.0%	0.5%	0.0%	0.0%	1.0%	1.8%	0.5%	
		7TH	1.4%	0.0%	0.0%	1.2%	0.4%	1.6%	0.7%	0.7%	
		8TH	1.2%	0.0%	1.6%	0.5%	3.1%	3.7%	0.8%	1.3%	
		9TH	1.1%	2.4%	2.6%	1.2%	0.9%	2.7%	2.8%	2.0%	
10TH		1.6%	0.7%	1.2%	0.7%	0.9%	0.9%	3.0%	1.4%		
11TH		1.1%	0.0%	1.2%	1.6%	0.8%	0.0%	0.8%	0.8%		
12TH		0.0%	0.5%	1.1%	1.2%	0.6%	4.0%	1.8%	1.2%		
6 thru 12		1.0%	0.6%	1.2%	0.9%	1.0%	2.0%	1.7%	1.1%		
ANALYSIS: F(6,10148) = 3.1*; 2 < 6											
Past-Month	6TH	0.0%	0.0%	0.3%	0.5%	0.4%	0.0%	0.0%	0.2%		
	7TH	0.8%	1.1%	0.0%	0.4%	0.4%	0.6%	0.0%	0.5%		
	8TH	2.4%	0.7%	0.0%	1.1%	2.4%	4.0%	0.8%	1.4%		
	9TH	2.7%	1.2%	2.2%	3.4%	0.9%	2.9%	3.5%	2.5%		
	10TH	1.7%	1.9%	1.2%	1.5%	1.4%	1.9%	2.4%	1.7%		
	11TH	1.2%	0.0%	1.2%	1.1%	1.2%	2.4%	0.9%	1.0%		
	12TH	0.8%	1.5%	1.1%	1.8%	4.2%	4.6%	4.2%	2.4%		
	6 thru 12	1.5%	0.9%	0.9%	1.5%	1.5%	2.3%	1.6%	1.4%		
ANALYSIS: F(6,9544) = 2.1 ^{NS} ; (No differences detected.)											

Table 9

Prevalence of Marijuana Usage Across Grade Levels by Regions and Total State

PREVALENCE ESTIMATES ACROSS - - -										
TYPE OF	GRADE	SUB-STATE REGIONS:							TOTAL	

SUBSTANCE	ESTIMATE	LEVELS	1	2	3	4	5	6	7	STATE	
Marijuana	Lifetime	6TH	3.8%	0.5%	3.3%	3.0%	2.6%	3.9%	3.5%	2.9%	
		7TH	12.3%	10.7%	2.1%	8.3%	6.2%	7.3%	12.4%	8.7%	
		8TH	18.4%	9.1%	14.6%	19.8%	15.2%	2.6%	19.3%	14.5%	
		9TH	19.6%	18.1%	18.3%	23.9%	21.4%	19.1%	40.3%	23.0%	
		10TH	29.6%	27.3%	17.8%	19.3%	25.1%	28.3%	41.7%	27.2%	
		11TH	30.0%	24.9%	18.8%	29.4%	28.8%	28.6%	41.3%	28.8%	
		12TH	27.7%	33.2%	26.4%	28.1%	30.1%	34.6%	46.8%	32.4%	
		6 thru 12	19.2%	16.3%	13.7%	17.8%	17.5%	16.5%	27.8%	18.5%	
		ANALYSIS: F(6,10180) = 21.2**; 3 < 1; and 1, 2, 3, 4, 5, 6 < 7									
	Past-Year	6TH	3.5%	1.6%	3.6%	2.6%	2.2%	5.7%	3.6%	3.2%	
		7TH	9.2%	9.2%	1.1%	9.5%	5.4%	7.0%	13.2%	8.1%	
		8TH	11.3%	4.7%	8.0%	12.4%	11.6%	1.3%	8.2%	8.2%	
		9TH	11.5%	13.8%	11.4%	15.1%	13.1%	10.0%	25.0%	14.3%	
		10TH	20.3%	16.7%	10.3%	12.1%	16.4%	19.8%	28.4%	17.5%	
		11TH	20.4%	14.7%	13.1%	19.2%	19.5%	15.2%	24.2%	17.9%	
		12TH	16.2%	23.3%	16.2%	17.7%	14.1%	20.0%	34.5%	20.7%	
		6 thru 12	12.4%	11.1%	8.5%	11.9%	11.2%	10.1%	18.1%	11.9%	
		ANALYSIS: F(6,9576) = 12.3**; 3 < 1; and 1, 2, 3, 4, 5, 6 < 7									
	Past-Month	6TH	2.9%	0.6%	2.0%	1.5%	1.7%	2.1%	4.1%	2.1%	
		7TH	4.1%	5.1%	0.0%	4.4%	2.0%	4.4%	4.85	3.6%	
		8TH	14.4%	6.0%	6.8%	14.8%	9.2%	5.0%	15.4%	10.5%	
		9TH	13.6%	9.8%	9.9%	14.7%	14.9%	10.8%	27.3%	14.3%	
		10TH	20.3%	15.9%	10.5%	11.6%	19.4%	20.8%	30.5%	18.2%	
		11TH	21.4%	16.2%	13.7%	21.5%	22.1%	18.8%	32.8%	20.8%	
		12TH	18.2%	23.8%	16.3%	19.5%	19.2%	33.3%	35.7%	23.5%	
		6 thru 12	13.2%	10.4%	8.0%	12.0%	12.1%	12.2%	20.7%	12.7%	
		ANALYSIS: F(6,9383) = 20.4**; 3 < 4, 1; and 1, 2, 3, 4, 5, 6, < 7.									

Table 10
Prevalence of Hallucinogen Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	PREVALENCE ESTIMATES ACROSS - - -							TOTAL STATE
			SUB-STATE REGIONS:							
			1	2	3	4	5	6	7	

Hallucinogens	Lifetime	6TH	0.3%	0.0%	0.2%	0.0%	0.0%	2.9%	0.0%	0.4%	
		7TH	1.7%	0.9%	1.0%	1.6%	1.1%	1.6%	2.1%	1.4%	
		8TH	4.7%	3.8%	6.9%	5.2%	7.5%	3.8%	7.6%	5.5%	
		9TH	3.0%	1.2%	3.7%	6.2%	4.8%	2.6%	11.4%	4.6%	
		10TH	5.4%	3.0%	4.7%	6.6%	4.0%	6.6%	6.7%	5.3%	
		11TH	2.3%	4.1%	5.5%	8.1%	3.9%	5.9%	12.5%	6.1%	
		12TH	2.0%	5.7%	5.3%	7.0%	2.3%	7.7%	12.0%	6.1%	
		6 thru 12	2.7%	2.4%	3.8%	4.6%	3.4%	4.2%	7.0%	4.0%	
		ANALYSIS: F(6,10139) = 9.7**; 2 < 4, 7; and 1, 3, 4, 5, 6 < 7									
		Past-Year	6TH	1.6%	0.5%	1.7%	1.3%	0.4%	1.0%	0.0%	1.0%
7TH	2.4%		1.4%	0.0%	2.8%	1.8%	2.7%	3.5%	2.1%		
8TH	1.6%		0.0%	1.6%	4.1%	2.0%	2.6%	2.3%	2.0%		
9TH	0.8%		0.8%	2.1%	3.7%	2.6%	0.0%	8.0%	2.6%		
10TH	2.1%		1.5%	1.9%	4.1%	1.3%	0.0%	4.3%	2.3%		
11TH	0.8%		2.3%	2.0%	4.9%	2.7%	0.0%	9.2%	3.3%		
12TH	1.2%		2.9%	3.1%	4.2%	0.6%	0.0%	10.1%	3.4%		
6 thru 12	1.5%		1.2%	1.7%	3.5%	1.7%	1.0%	5.0%	2.3%		
ANALYSIS: F(6,10082) = 14.4**; 1, 2, 3, 5, 6 < 7; and 1, 2, 3, 6 < 4											
Past-Month	6TH		0.0%	0.0%	0.3%	0.0%	0.4%	0.0%	0.0%	0.1%	
	7TH	0.4%	0.6%	0.0%	1.8%	0.0%	1.3%	2.7%	1.0%		
	8TH	2.0%	0.0%	3.3%	4.9%	1.2%	3.9%	2.3%	2.5%		
	9TH	1.1%	2.0%	1.6%	4.7%	1.8%	0.9%	7.0%	2.8%		
	10TH	2.5%	1.9%	2.4%	4.5%	1.8%	0.0%	6.0%	2.9%		
	11TH	1.2%	1.2%	2.4%	3.8%	3.5%	0.0%	11.0%	3.4%		
	12TH	2.4%	2.9%	3.9%	3.6%	1.2%	0.0%	8.9%	3.6%		
	6 thru 12	1.3%	1.2%	1.9%	3.3%	1.4%	1.0%	5.2%	2.3%		
	ANALYSIS: F(6,9537) = 15.4*; 1, 2, 3, 4, 5, 6 < 7; and 1, 2, 6 < 4										

TABLE 11

Prevalence of Stimulant Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	PREVALENCE ESTIMATES ACROSS - - -							TOTAL STATE
			SUB-STATE REGIONS:							
			1	2	3	4	5	6	7	

TABLE 11

Prevalence of Stimulant Usage Across Grade Levels by Regions and Total State

Cocaine	Lifetime	6th	0.5%	0.5%	0.5%	0.4%	0.7%	0.0%	0.0%	0.4%
		7th	2.0%	0.5%	0.0%	0.0%	0.0%	0.0%	1.4%	0.9%
		8th	1.6%	0.0%	3.9%	2.1%	1.6%	1.3%	3.8%	2.1%
		9th	1.4%	0.8%	1.0%	2.2%	1.7%	0.0%	2.8%	1.4%
		10th	1.6%	0.0%	1.2%	1.5%	2.2%	0.9%	1.8%	1.2%
		11th	0.4%	1.2%	1.6%	1.6%	1.9%	1.2%	3.3%	1.6%
		12th	1.2%	1.0%	1.1%	1.8%	1.8%	3.9%	4.9%	2.1%
		6 thru 12	1.3%	0.5%	1.3%	1.6%	1.4%	0.9%	2.4%	1.3%

ANALYSIS: F(6,10138) = 4.2**; 2, 6 < 7

	Past- Year	6th	0.0%	0.5%	0.7%	0.0%	0.4%	0.0%	0.0%	0.2%
		7th	2.4%	0.5%	0.0%	1.6%	0.0%	0.5%	0.0%	0.8%
		8th	2.0%	0.7%	1.5%	0.5%	1.2%	1.3%	2.2%	1.3%
		9th	0.5%	0.4%	2.1%	1.2%	0.9%	0.9%	2.3%	1.2%
		10th	2.5%	0.4%	1.2%	1.9%	1.3%	0.0%	1.2%	1.2%
		11th	0.0%	0.0%	2.3%	1.1%	1.2%	0.0%	3.3%	1.2%
		12th	0.4%	0.0%	0.8%	0.6%	0.6%	4.0%	4.8%	1.5%
		6 thru 12	1.1%	0.4%	1.2%	1.0%	0.8%	0.9%	1.8%	1.0%

ANALYSIS: F(6,10078) = 3.0*; 2 < 7

	Past-Month	6th	0.0%	0.6%	0.6%	0.5%	0.4%	1.1%	0.0%	0.4%
		7th	0.4%	0.5%	0.0%	0.4%	0.4%	0.0%	0.0%	0.3%
		8th	1.6%	0.0%	0.8%	1.1%	2.0%	3.8%	2.7%	1.5%
		9th	0.5%	0.4%	0.5%	1.6%	1.3%	0.0%	1.2%	0.8%
		10th	1.7%	0.4%	0.8%	1.9%	1.3%	0.9%	1.2%	1.1%
		11th	0.4%	1.8%	2.0%	1.1%	2.3%	0.0%	2.5%	1.4%
		12th	1.6%	0.0%	1.2%	1.8%	1.2%	4.2%	3.6%	1.8%
		6 thru 12	0.9%	0.5%	0.8%	1.2%	1.3%	1.4%	1.5%	1.0%

ANALYSIS: F(6,9619) = 1.7^{NS}; (No differences observed).

TABLE 11 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	PREVALENCE ESTIMATES ACROSS - - -							TOTAL STATE
			SUB-STATE REGIONS:							
			1	2	3	4	5	6	7	
Uppers	Lifetime	6th	1.4%	0.5%	1.2%	0.9%	2.2%	1.0%	1.7%	1.2%

TABLE 11 - Continued

7th	5.7%	1.0%	4.1%	3.6%	3.3%	4.3%	5.6%	3.9%
8th	6.3%	0.0%	7.6%	8.3%	7.0%	6.5%	9.6%	6.3%
9th	8.9%	1.2%	4.2%	7.0%	9.0%	3.5%	15.9%	6.9%
10th	10.0%	4.4%	8.4%	9.3%	8.4%	3.7%	15.7%	8.8%
11th	8.9%	4.6%	9.8%	12.0%	10.9%	6.0%	19.2%	10.2%
12th	8.2%	6.6%	13.2%	7.7%	4.7%	15.4%	20.2%	10.9%
6 thru 12	6.9%	2.3%	6.5%	6.6%	6.4%	5.4%	11.8%	6.5%

ANALYSIS: F(6,10178) = 21.8**; 2 < 1, 2, 3, 4, 5, 6, 7; and 1, 3, 4, 5, 6 < 7

Past- Year	6th	0.8%	0.0%	0.7%	0.0%	2.2%	0.0%	0.9%	0.6%
	7th	3.0%	0.5%	3.2%	3.2%	2.5%	1.6%	2.9%	2.4%
	8th	5.1%	0.0%	7.1%	5.2%	5.4%	5.2%	5.3%	4.6%
	9th	6.3%	0.8%	2.6%	5.9%	6.6%	3.5%	13.9%	5.5%
	10th	7.1%	2.2%	6.3%	6.1%	7.1%	2.8%	12.2%	6.3%
	11th	6.3%	3.5%	6.7%	7.3%	7.2%	2.4%	13.6%	6.8%
	12th	6.3%	4.8%	9.7%	3.7%	4.1%	12.0%	15.9%	8.1%
	6 thru 12	4.8%	1.5%	4.9%	4.4%	5.0%	3.7%	8.7%	4.6%

ANALYSIS: F(6,10018) = 17.1**; 2 < 1, 3, 4, 5, 7; 1, 3, 4, 5, 6 < 7

Past-Month	6th	0.0%	0.0%	0.6%	0.0%	1.3%	0.0%	0.0%	0.2%
	7th	1.6%	0.0%	0.0%	2.6%	0.8%	0.6%	2.7%	1.2%
	8th	3.6%	0.0%	5.0%	4.4%	4.7%	4.0%	6.2%	3.8%
	9th	5.2%	1.2%	2.7%	5.1%	4.9%	1.0%	11.6%	4.5%
	10th	6.4%	2.2%	5.2%	6.1%	5.8%	0.0%	9.1%	5.1%
	11th	6.3%	1.7%	4.8%	6.6%	6.3%	0.0%	11.7%	5.4%
	12th	5.1%	4.8%	6.3%	5.4%	3.6%	8.0%	13.1%	6.7%
	6 thru 12	4.0%	1.3%	3.4%	4.2%	3.9%	1.8%	7.6%	3.8%

ANALYSIS: F (6,9501) = 17.0**; 2 < 1, 4, 7; and 1, 3, 4, 5, 6 < 7

TABLE 11 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	PREVALENCE ESTIMATES ACROSS - - -							TOTAL STATE
			SUB-STATE REGIONS:							
			1	2	3	4	5	6	7	

TABLE 11 - Continued

Ecstasy	Lifetime	6th	0.0%	0.5%	0.5%	0.4%	0.0%	0.0%	0.0%	0.2%
		7th	0.3%	0.0%	0.0%	0.8%	0.7%	0.5%	1.4%	0.5%
		8th	0.8%	0.0%	0.8%	1.6%	3.1%	0.0%	3.0%	1.2%
		9th	0.3%	0.4%	0.5%	1.8%	2.5%	0.0%	2.8%	1.1%
		10th	1.2%	0.0%	2.7%	2.2%	0.4%	1.9%	3.6%	1.8%
		11th	0.8%	1.7%	0.8%	1.1%	1.6%	1.2%	1.6%	1.2%
		12th	1.6%	1.4%	1.1%	1.2%	1.2%	0.0%	5.4%	1.8%
		6 thru 12	0.6%	0.5%	0.9%	1.3%	1.4%	0.5%	2.4%	1.1%

ANALYSIS: F(6,10168) = 6.8**; 1, 2, 3, 6 < 7

	Past- Year	6th	0.0%	0.0%	0.5%	0.0%	0.0%	1.0%	0.0%	0.2%
		7th	1.0%	0.5%	0.0%	1.2%	0.7%	1.1%	1.4%	0.8%
		8th	2.4%	1.3%	4.8%	2.6%	2.0%	0.0%	3.0%	2.4%
		9th	1.1%	2.0%	0.0%	4.7%	2.2%	3.5%	3.4%	2.4%
		10th	3.0%	0.4%	2.8%	2.6%	1.4%	2.8%	3.6%	2.4%
		11th	1.6%	3.5%	2.4%	1.1%	2.8%	4.8%	5.2%	3.0%
		12th	1.6%	2.5%	3.1%	2.4%	4.8%	4.0%	6.0%	3.3%
		6 thru 12	1.5%	1.3%	1.8%	2.1%	1.8%	2.3%	3.0	2.0%

ANALYSIS: F(6,10016) = 2.7*; 2 < 7

	Past-Month	6th	0.0%	0.0%	0.3%	0.5%	0.0%	0.0%	0.0%	0.1%
		7th	0.8%	0.6%	0.0%	0.4%	0.0%	0.0%	0.9%	0.4%
		8th	0.4%	0.0%	0.8%	1.1%	0.8%	1.3%	1.5%	0.8%
		9th	0.8%	0.0%	0.0%	1.9%	1.7%	0.0%	2.3%	0.9%
		10th	0.4%	0.0%	1.2%	1.1%	0.4%	0.9%	2.4%	1.0%
		11th	0.4%	0.0%	2.0%	0.5%	1.2%	0.0%	2.5%	0.9%
		12th	1.2%	1.4%	0.8%	0.6%	0.6%	0.0%	4.2%	1.4%
		6 thru 12	0.6%	0.2%	0.7%	0.9%	0.7%	0.4%	1.9%	0.8%

ANALYSIS: F (6,9544) = 5.8**; 1, 2, 3, 6 < 7

TABLE 11 - Continued

PREVALENCE ESTIMATES ACROSS - - -

TYPE OF	GRADE	SUB-STATE REGIONS:	TOTAL
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TABLE 11 - Continued

SUBSTANCE	ESTIMATE	LEVELS	1	2	3	4	5	6	7	STATE	
Ice	Lifetime	6th	0.5%	01.6%	0.7%	0.4%	1.5%	1.9%	0.9%	1.0%	
		7th	1.0%	1.4%	0.0%	1.6%	0.4%	1.1%	1.4%	1.0%	
		8th	0.8%	0.6%	3.1%	1.0%	0.8%	0.0%	2.2%	1.3%	
		9th	0.8%	0.4%	1.0%	1.8%	2.1%	0.0%	1.1%	1.0%	
		10th	1.2%	0.7%	1.5%	1.5%	0.4%	3.7%	1.8%	1.5%	
		11th	0.4%	1.2%	0.8%	1.6%	1.9%	1.1%	1.7%	1.2%	
		12th	0.4%	0.5%	1.1%	1.2%	1.2%	0.0%	3.0%	1.1%	
	6 thru 12	0.7%	0.9%	1.2%	1.3%	1.2%	1.1%	1.7%	1.2%		
	ANALYSIS: F(6,10221) = 1.2 ^{NS} ; (No differences observed.)										
	Past- Year	6th	0.5%	1.5%	0.5%	0.0%	0.7%	0.0%	0.9%	0.6%	
		7th	2.0%	1.4%	0.0%	0.8%	0.7%	1.6%	2.1%	1.2%	
		8th	0.8%	0.0%	1.5%	0.0%	1.2%	0.0%	0.0%	0.5%	
		9th	0.5%	0.0%	1.0%	2.2%	0.9%	0.0%	1.7%	0.9%	
10th		0.8%	0.0%	1.2%	1.1%	0.5%	1.0%	2.4%	1.0%		
11th		0.0%	0.6%	0.4%	1.6%	1.6%	0.0%	1.7%	0.8%		
12th		0.4%	0.5%	0.8%	0.0%	0.6%	0.0%	1.8%	0.6%		
6 thru 12	0.8%	0.6%	0.8%	0.8%	0.9%	0.4%	1.5%	0.8%			
ANALYSIS: F(6,10135) = 2.1 ^{NS} ; (No differences observed.)											
Past-Month	6th	0.0%	1.9%	0.0%	0.0%	1.3%	1.0%	1.1%	0.7%		
	7th	0.0%	1.1%	0.0%	0.0%	0.0%	1.3%	1.8%	0.6%		
	8th	0.0%	0.7%	0.8%	0.5%	0.4%	1.3%	1.5%	0.8%		
	9th	0.5%	0.0%	0.5%	1.6%	0.4%	0.0%	1.2%	0.7%		
	10th	0.8%	0.0%	0.8%	0.8%	0.5%	0.0%	1.2%	0.6%		
	11th	0.0%	0.6%	0.8%	1.6%	1.6%	0.0%	1.7%	0.9%		
	12th	0.4%	0.5%	1.2%	1.2%	0.0%	0.0%	0.6%	0.6%		
6 thru 12	0.3%	0.7%	0.6%	0.8%	0.6%	0.5%	1.3%	0.7%			
ANALYSIS: F(6,9533) = 2.2*; 1 < 7											

TABLE 11 - Continued

PREVALENCE ESTIMATES ACROSS - - -

TABLE 11 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	SUB-STATE REGIONS:							TOTAL STATE		
			1	2	3	4	5	6	7			
Crack	Lifetime	6th	0.5%	0.5%	0.2%	0.0%	0.7%	0.0%	0.0%	0.3%		
		7th	0.7%	1.4%	0.0%	0.8%	0.0%	0.0%	0.7%	0.6%		
		8th	1.2%	0.0%	0.8%	0.5%	2.3%	2.5%	2.2%	1.2%		
		9th	0.3%	0.8%	0.5%	1.2%	1.7%	0.0%	2.8%	1.0%		
		10th	2.4%	0.4%	0.4%	1.1%	1.3%	0.9%	0.0%	0.9%		
		11th	1.2%	1.7%	1.6%	1.1%	0.4%	2.2%	1.7%	1.4%		
		12th	1.2%	0.5%	1.1%	0.0%	0.6%	3.9%	1.8%	1.2%		
		6 thru 12	1.0%	0.7%	0.6%	0.7%	1.0%	1.2%	1.3%	0.9%		
		ANALYSIS: F(6,10228) = 1.2 ^{NS} ; (No differences observed.)										
		Past- Year	6th	0.3%	0.0%	0.5%	0.0%	0.7%	0.0%	0.0%	0.2%	
7th	0.7%		1.4%	0.0%	1.2%	0.0%	0.0%	0.7%	0.7%			
8th	0.8%		0.7%	1.5%	0.0%	1.9%	2.6%	0.8%	1.0%			
9th	0.3%		0.8%	0.5%	0.9%	0.8%	0.0%	2.3%	0.8%			
10th	2.1%		0.0%	0.8%	0.4%	0.4%	0.9%	0.6%	0.7%			
11th	0.4%		1.7%	0.8%	0.5%	0.4%	0.0%	0.0%	0.6%			
12th	1.2%		0.5%	0.4%	0.0%	0.6%	4.0%	1.2%	1.0%			
6 thru 12	0.8%		0.7%	0.6%	0.5%	0.7%	1.0%	0.8%	0.7%			
ANALYSIS: F(6,10142) = 0.5 ^{NS} ; (No differences observed.)												
Past-Month	6th		0.0%	0.0%	0.3%	0.0%	0.0%	1.1%	1.0%	0.3%		
	7th	0.4%	0.5%	0.0%	0.8%	0.0%	0.0%	0.9%	0.4%			
	8th	0.4%	0.0%	0.0%	0.0%	1.6%	3.9%	0.8%	0.8%			
	9th	0.0%	0.4%	0.5%	0.9%	0.9%	0.0%	1.7%	0.6%			
	10th	0.8%	0.0%	0.4%	0.8%	0.4%	0.0%	0.0%	0.3%			
	11th	0.4%	1.7%	1.2%	0.5%	0.4%	0.0%	0.8%	0.8%			
	12th	1.2%	0.0%	0.4%	0.6%	0.6%	4.2%	0.6%	0.9%			
	6 thru 12	0.4%	0.4%	0.4%	0.5%	0.6%	1.2%	0.8%	0.6%			
ANALYSIS: F(6,9616) = 2.1 ^{NS} ; (No differences observed).												

TABLE 12

Prevalence of Depressant Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	PREVALENCE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Downers	Lifetime	6th	0.0%	0.5%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
		7th	1.0%	0.0%	0.0%	3.1%	0.0%	0.0%	0.7%	0.8%	
		8th	0.8%	0.0%	0.0%	3.1%	3.9%	1.3%	1.5%	1.3%	
		9th	1.1%	1.2%	3.7%	2.8%	3.0%	2.6%	5.7%	2.8%	
		10th	2.5%	2.2%	4.6%	3.0%	1.3%	0.9%	6.0%	3.2%	
		11th	3.1%	1.7%	2.3%	4.3%	5.0%	1.2%	5.8%	3.3%	
		12th	1.6%	2.9%	4.2%	3.0%	2.3%	7.7%	7.7%	4.1%	
	6 thru 12	1.3%	1.1%	2.1%	2.7%	2.1%	1.8%	3.6%	2.1%		
	ANALYSIS: F(6,10186) = 5.7***; 1, 2, 6 < 7										
	Past- Year	6th	0.0%	0.0%	0.2%	0.0%	0.4%	0.0%	0.0%	0.0%	0.1%
		7th	0.3%	0.0%	0.0%	1.2%	0.0%	0.0%	1.4%	0.5%	
		8th	0.8%	0.0%	0.0%	1.6%	3.5%	1.3%	2.2%	1.2%	
		9th	1.1%	0.8%	1.6%	1.2%	1.3%	1.8%	4.6%	1.7%	
10th		2.1%	1.1%	2.7%	1.9%	1.3%	0.0%	4.2%	2.1%		
11th		2.0%	1.7%	2.4%	3.9%	3.9%	0.0%	5.8%	2.8%		
12th		0.8	2.9%	3.5%	1.2%	1.2%	8.0%	5.4%	3.2%		
6 thru 12	1.0%	0.8%	1.3%	1.5%	1.6%	1.4%	3.2%	1.5%			
ANALYSIS: F(6,10101) = 6.5***; 1, 2, 3, 4, 6 < 7											
Past-Month	6th	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	7th	0.4%	0.0%	0.0%	0.4%	0.0%	0.0%	1.7%	0.4%		
	8th	0.8%	0.0%	0.0%	1.1%	2.3%	3.9%	1.5%	1.2%		
	9th	1.1%	0.8%	2.1%	1.0%	1.7%	1.9%	5.2%	1.9%		
	10th	1.3%	1.9%	2.8%	2.6%	0.9%	0.0%	4.8%	2.3%		
	11th	2.3%	1.7%	2.8%	3.8%	4.3%	0.0%	5.0%	2.8%		
	12th	1.2%	1.4%	2.4%	1.8%	2.4%	0.0%	4.1%	1.9%		
6 thru 12	1.0%	0.8%	1.4%	1.4%	1.6%	1.0%	3.2%	1.5%			
ANALYSIS: F (6,9582) = 6.6***; 1, 2, 3, 4, 6 < 7.											

TABLE 12 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	PREVALENCE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Heroin	Lifetime	6th	0.0%	0.0%	0.5%	0.0%	0.0%	2.9%	0.0%	0.4%	
		7th	1.0%	0.5%	0.0%	1.2%	0.4%	0.5%	1.4%	0.7%	
		8th	0.8%	0.6%	0.8%	0.5%	2.0%	1.2%	0.8%	0.9%	
		9th	0.5%	0.8%	1.0%	0.6%	1.3%	0.0%	1.7%	0.8%	
		10th	0.8%	0.8%	0.4%	1.1%	1.3%	1.9%	0.0%	0.8%	
		11th	0.4%	1.2%	0.4%	0.5%	0.8%	1.2%	0.8%	0.7%	
		12th	0.0%	0.0%	0.0%	0.0%	0.6%	4.0%	1.2%	0.7%	
		6 thru 12	0.5%	0.5%	0.5%	0.6%	0.9%	1.5%	0.8%	0.7%	
			ANALYSIS: F(6,10182) = 2.4 ^{NS} ; (No differences observed.)								
		Past- Year	6th	0.0%	0.0%	0.7%	0.0%	0.4%	0.9%	0.9%	0.4%
			7th	1.4%	0.0%	1.0%	1.6%	1.1%	1.1%	0.7%	1.0%
			8th	0.4%	0.0%	0.8%	0.0%	0.8%	1.3%	0.0%	0.4%
			9th	0.3%	0.4%	1.1%	0.0%	0.4%	0.0%	0.0%	0.3%
			10th	1.2%	0.0%	0.0%	0.4%	0.0%	0.0%	0.6%	0.3%
			11th	0.0%	0.6%	0.0%	0.6%	0.8%	0.0%	0.8%	0.4%
			12th	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.0%	0.5%
		6 thru 12	0.5%	0.1%	0.6%	0.4%	0.5%	1.0%	0.4%	0.5%	
			ANALYSIS: F(6,10103) = 1.8 ^{NS} ; (No differences observed.)								
		Past-Month	6th	0.0%	0.0%	0.6%	0.0%	0.0%	1.1%	0.0%	0.2%
			7th	0.4%	0.0%	0.0%	0.0%	0.4%	0.6%	0.9%	0.3%
	8th		0.4%	0.0%	0.0%	0.0%	0.4%	3.9%	1.5%	0.8%	
	9th		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	10th		0.9%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.2%	
	11th		0.0%	0.6%	0.85	0.5%	1.2%	0.0%	0.0%	0.4%	
	12th		0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	0.0%	0.5%	
	6 thru 12	0.2%	0.1%	0.2%	0.1%	0.3%	1.3%	0.4%	0.3%		
		ANALYSIS: F(6,9592) = 6.9 ^{**} ; 1, 2, 3, 4, 5, 6, 7 < 6.									

TABLE 12 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	PREVALENCE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Roche	Lifetime	6th	0.6%	1.0%	0.7%	0.4%	0.7%	1.0%	1.8%	0.9%	
		7th	3.0%	2.3%	0.0%	1.6%	0.4%	1.1%	3.5%	1.8%	
		8th	0.4%	0.6%	0.8%	3.2%	2.0%	0.0%	1.5%	1.2%	
		9th	1.1%	0.0%	2.1%	0.6%	0.4%	1.0%	0.6%	0.8%	
		10th	0.8%	0.7%	1.2%	0.8%	0.0%	2.8%	0.6%	1.0%	
		11th	1.2%	0.6%	0.4%	1.1%	0.4%	1.2%	0.0%	0.7%	
		12th	0.4%	0.0%	1.5%	0.0%	0.6%	0.0%	0.0%	0.4%	
		6 thru 12	1.1%	0.8%	1.0%	1.2%	0.7%	1.0%	1.3%	1.0%	
		ANALYSIS: F(6,10072) = 0.5 ^{NS} ; (No differences observed.)									
	Past- Year	6th	0.6%	0.5%	0.7%	0.0%	0.4%	1.9%	0.0%	0.5%	
		7th	2.1%	1.4%	0.0%	1.6%	0.4%	0.6%	2.2%	1.3%	
		8th	0.4%	0.7%	0.8%	0.5%	0.8%	0.0%	2.3%	0.8%	
		9th	1.9%	0.4%	2.7%	0.3%	0.0%	0.9%	0.6%	1.0%	
		10th	0.4%	0.4%	0.8%	0.8%	0.0%	1.9%	1.8%	0.9%	
		11th	0.0%	0.6%	0.4%	0.5%	0.0%	0.0%	0.0%	0.3%	
		12th	0.0%	0.0%	1.2%	0.0%	0.6%	0.0%	0.6%	0.3%	
		6 thru 12	0.9%	0.6%	1.0%	0.6%	0.3%	0.8%	1.1%	0.8%	
		ANALYSIS: F(6,9999) = 1.2 ^{NS} ; (No differences observed.)									
	Past-Month	6th	0.3%	0.7%	0.6%	0.0%	0.5%	1.1%	1.1%	0.6%	
		7th	0.9%	1.1%	0.0%	0.4%	0.4%	0.0%	2.8%	0.8%	
		8th	0.0%	0.7%	0.8%	0.6%	1.2%	2.7%	2.3%	1.1%	
		9th	1.6%	0.0%	0.5%	0.3%	0.0%	0.0%	0.6%	0.5%	
		10th	0.4%	0.8%	1.2%	0.8%	0.0%	0.9%	0.6%	0.7%	
		11th	0.4%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.1%	
12th		0.0%	0.0%	1.2%	0.0%	0.6%	0.0%	0.0%	0.2%		
6 thru 12		0.6%	0.5%	0.7%	0.3%	0.4%	0.7%	1.1%	0.6%		
ANALYSIS: F(6,9412) = 1.6 ^{NS} ; (No differences observed.)											

Table 13
Inter-Regional Differences in Prevalence Found Using the Alternative Analysis Strategy

CATEGORY	DRUG	TIMEFRAME	95% Confidence Internal for Statewide Prevalence	Classification of Regional Estimates:			
				Below State	“Equal” to State	Above State	
Tobacco							
Products	Cigarettes	Lifetime	43.4% to 45.4%	2, 6	3,4	1, 5, 7	
		Past Year	26.0% to 27.9%	2, 3, 4,	6	1, 5, 7	
		Past Month	22.9% to 24.7%	2, 3	4	1, 5, 6, 7	
	Smokeless Tobacco	Lifetime	16.4% to 17.8%	2, 3			
		Past Year	9.0% to 10.1%	2, 6			
		Past Month	8.5% to 9.6%	<u>2, 3, 6</u>	<u> </u>	<u>1, 4, 5, 7</u>	
(Classification of Regional Estimates (Consistency > 4))				2	3, 4, 6	1, 5, 7)	
Inhalants							
Inhalants	Inhalants	Lifetime	11.4% to 12.7%	2, 6	3	1, 4, 5, 7	
		Past Year	7.6% to 8.7%	2, 6	3	1, 4, 5, 7	
		Past Month	7.2% to 8.2%	<u>2, 3, 6</u>	<u>1</u>	<u>4, 5, 7</u>	
	(Classification of Regional Estimates (Consistency > 2))				2, 6	1, 3	4, 5, 7)
Alcohol							
Alcohol	Beer	Lifetime	50.4% to 52.4%	2, 4	3	1, 5, 6, 7	
		Past Year	38.7% to 40.7%	2, 3	4	1, 5, 6, 7	
		Past Month	31.2% to 33.1%	2, 3, 4, 6		1, 5, 7	
	WineCooler	Lifetime	51.7% to 53.7%	2, 4	1, 3	5, 6, 7	
		Past Year	39.7% to 41.7%	2, 3	1, 4	5, 6, 7	
		Past Month	32.4% to 34.3%	2, 3, 6	1, 4	5, 7	
	Wine	Lifetime	38.3% to 40.2%	1, 2, 3, 6		4, 5, 7	
		Past Year	29.7% to 31.6%	2, 3, 6	1	4, 5, 7	
		Past Month	24.8% to 26.6%	1, 2, 3, 6	4	5, 7	
	Liquor	Lifetime	35.6% to 37.5%	2, 3, 4	1	5, 6, 7	
		Past Year	26.4% to 28.2%	2, 3, 4		1, 5, 6, 7	
		Past Month	23.5% to 25.3%	<u>2, 3</u>	<u>1, 4, 5</u>	<u>6, 7</u>	
	(Classification of Regional Estimates (Consistency > 8))				2, 3	1, 4, 6	5, 7
	Steroids						
	Steroids	Steroids	Lifetime	1.2% to 1.6%	1, 2, 3	4, 5	6, 7
Past Year			0.9% to 1.3%	2, 4	1, 3, 5	6, 7	
Past Month			1.2 to 1.6%	<u>2, 3</u>	<u>1, 4, 5</u>	<u>6, 7</u>	
(Classification of Regional Estimates (Consistency > 2))				2	1, 3, 4, 5	6, 7)	
Cannabis							
Cannabis	Marijuana	Lifetime	17.8% to 19.3%	2, 3, 5, 6	1, 4	7	
		Past Year	11.3% to 12.6%	2, 3, 5, 6	1, 4	7	
		Past Month	12.0% to 13.3%	<u>2, 3, 4</u>	<u>1, 5, 6</u>	<u>7</u>	
	(Classification of Regional Estimates (Consistency > 2))				2, 3	1, 4, 5, 6	7)

Table 13 - Continued

CATEGORY	DRUG	TIMEFRAME	95% Confidence Interval for Statewide Prevalence	Classification of Regional Estimates:		
				Below State	“Equal” to State	Above State
Hallucinogens	Hallucinogens	Lifetime	3.6% to 4.4%	1, 2, 5	3, 6	4, 7
		Past Year	2.0% to 2.6%	1, 2, 3, 5, 6		4, 7
		Past Month	2.0% to 2.6%	<u>1, 2, 3, 5, 6</u>		<u>4, 7</u>
		(Classification of Regional Estimates (Consistency > 2))			1, 2, 5	3, 6
Stimulants	Cocaine	Lifetime	1.1% to 1.6%	2, 6	1, 3, 4, 5	7
		Past Year	0.8% to 1.2%	2, 5	1, 3, 4, 6	7
		Past Month	0.8% to 1.2%	2, 3, 4,	1	5, 6, 7
	Uppers	Lifetime	6.0% to 7.0%	2, 6	1, 3, 4, 5	7
		Past Year	4.2% to 5.0%	2, 6	1, 3, 4, 5	7
		Past Month	3.4% to 4.2%	2, 3, 6	1, 5	4, 7
	Ecstasy	Lifetime	0.9% to 1.3%	1, 2, 6	3	4, 5, 7
		Past Year	1.7% to 2.2%	1, 2	3, 4, 5	6, 7
		Past Month	0.6% to 1.0%	1, 2, 6	3, 4, 5	7
	Ice	Lifetime	0.9% to 1.4%	1, 2	3, 4, 5, 6	7
		Past Year	0.7% to 1.0%	2, 6	1, 3, 4, 5	7
		Past Month	0.5% to 0.9%	1	2, 3, 4, 5, 6	7
	Crack	Lifetime	0.7% to 1.1%	3, 4	1, 2, 5	6, 7
		Past Year	0.5% to 0.9%	4	1, 2, 3, 5, 7	6
		Past Month	0.4% to 0.7%	<u>1, 2, 3</u>	<u>4, 5</u>	<u>6, 7</u>
	(Classification of Regional Estimates (Consistency > 10))			2	1, 3, 4, 5, 6	7)
Depressants	Downers	Lifetime	1.8% to 2.4%	1, 2, 6	3, 5	4, 7
		Past Year	1.3% to 1.7%	1, 2	3, 4, 5, 6	7
		Past Month	1.2% to 1.7%	1, 2, 6	3, 4, 5	7
	Heroin	Lifetime	0.6% to 0.9%	1, 2, 3	4, 7	5, 6
		Past Year	0.3% to 0.6%	2	1, 3, 4, 5, 7	6
		Past Month	0.2% to 0.4%	2, 4	1, 3, 5, 7	6
	Roche	Lifetime	0.8% to 1.2%	2, 5	1, 3, 4, 6	7
		Past Year	0.6% to 0.9%	2, 4, 5	1, 6	3, 7
		Past Month	0.5% to 0.8%	<u>4, 5</u>	<u>1, 2, 3, 6</u>	<u>7</u>
	(Classification of Regional Estimates (Consistency > 6))			2	1, 3, 4, 5, 6, 7)
GATEWAY ⁴ (Classification of Regional Estimates (Consistency > 16))			2	1, 3, 4, 6	5, 7)	
HARD DRUG ⁵ (Classification of Regional Estimates (Consistency > 20))			2	1, 3, 4, 5, 6	7)	
OVERALL (Classification of Regional Estimates (Consistency > 36))			2	1, 3, 4, 5, 6	7)	

⁴ The drugs included in this assessment are Cigarettes, Smokeless Tobacco, Inhalants, Beer, Wine Coolers, Wine, Liquor, and Steroids.

⁵ The drugs included in this assessment are Marijuana, Hallucinogens, Cocaine, Uppers, Ecstasy, Ice, Crack, Downers Heroin and Roche.

The information summarized in Table 13 clearly reinforces the conclusion drawn from the analyses provided in Tables 5 through 12 - **prevalence of drug use** in Region 2 appears to be less than the prevalence of drug use in Region 7. At the same time, the results in Table 13 suggest **prevalence of drug use** by regions, other than for the difference between regions 2 and 7, varies somewhat depending on the type of drug under consideration. More specifically, by drug category the results would seem to indicate the following:

CATEGORY	FINDINGS	
Tobacco Products	2	< State Estimate < 1, 5, and 7
Inhalants	2, 6	< State Estimate < 4, 5, 7
Alcohol	2, 3	< State Estimate < 5, 7
Steroids	2	< State Estimate < 6, 7
Cannabis (Marijuana)	2, 3	< State Estimate < 7
Hallucinogens	1, 2, 5	< State Estimate < 4, 7
Stimulants	2	< State Estimate < 7
Depressants	2	< State Estimate < - - -

Frequency of Drug Use Across Grade and Substate Regions

Overview

As mentioned earlier, **frequency of use** deals with how often use (of a substance or substances) has occurred, usually within some specified timeframe. Thus, **frequency of use** is related to prevalence of use, but is not the same - it goes beyond prevalence into the realm of intensity. Furthermore, in a statistical sense **frequency of use** should be a “better” variable than prevalence in that it reflects a scale of values rather than a simple dichotomous (“on/off”) variable. As a result, it conveys more information than is conveyed via a prevalence estimate. When dealing with data that are as highly skewed as that secured by such drug surveys like the MIAS, however, the potential derived from using this more extended **frequency of use** variable is generally quite constrained.

Given the preceding, coupled with the purpose of the MIAS (i.e., to determine what regions of the State, if any, have the most pronounced need for drug related educational and treatment services), the intent of the materials in this section is to analyze the **frequency of use** data - lifetime, past year, and past month - obtained for the 18 different drugs considered via the MIAS. For each of those drugs for each of the three designated time periods **frequency of use** estimates were developed for (a) each grade level by substate region, (b) each grade level, and (c) each substate region - with the latter of these sets of estimates being of the most interest due to their direct link with the purpose noted above.

When developing the various sets of **frequency of use** estimates the 18 drugs addressed by the survey were grouped as follows:

<u>CATEGORY</u>	<u>DRUGS INCLUDED</u>
Tobacco Products	Cigarettes, Smokeless Tobacco
Alcohol	Beer, Wine Coolers, Wine, Liquor
Inhalants	Inhalants
Steroids	Steroids
Cannabis	Marijuana
Hallucinogens	Hallucinogens
Stimulants	Cocaine, Uppers, Ecstasy, Ice, Crack
Depressants	Downers, Heroin, Roche

Results of the Frequency of Use Analyses

The **frequency of use** estimates developed for the different categories of drugs listed above are summarized in Table 14 through Table 21. Inspection of any of those tables reveals that for each set of estimates provided (i.e., those for Lifetime, Past Year, and Past Month) an **ANALYSIS** of the seven substate regions was conducted. Each such analysis was operationalized via a one-way analysis of variance (ANOVA, $\alpha = .05$) with Scheffe' followups ($\alpha = .10$). The summaries of those region-by-region analyses provided in Tables 14 through 21 look as follows.

ANALYSIS: $F(6,10187) = 34.6^{**}$; $2 < 1,3,4,5,6,7$; $6 < 1, 7$; AND $3 < 1$

Summary ANOVA results - $df_1 = 6$,
 $df_2 = 10187$, Observed $F = 34.6$, and
 $**$ indicates $p < .0000$ (while $*$ is used
to indicate $p < .05$ and NS donates "Not
Significant").

These are the results of the post hoc
Scheffe' pairwise contrasts, e.g., $6 < 17$
means the **frequency of use** for Region
6 is less than the **frequency of use**
estimates for both regions 1 and 7.

The statistical results as described above could be used as one guide for looking at the **frequency of use** data secured via the MIAS and deciding which substate regions had the highest relative **frequency of use** rates for the different drugs under consideration. Generally, those results suggest, like those observed for the **prevalence** estimates, that the **frequency of use** in Region 2 is often less than it is in the other regions. No other consistent results were discernable, however, based upon those analyses.

TABLE 14

Frequency of Tobacco Product Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE		
			SUB-STATE REGIONS:									
			1	2	3	4	5	6	7			
Cigarettes	Lifetime	6th	1.61	1.29	1.71	1.48	1.57	1.44	1.52	1.51		
		7th	2.07	1.79	1.61	1.86	1.93	2.06	2.13	1.91		
		8th	2.47	1.48	2.16	2.31	2.29	1.75	2.20	2.08		
		9th	2.30	2.07	2.43	2.38	2.73	2.23	2.89	2.40		
		10th	2.62	2.13	2.44	2.45	2.65	2.15	2.71	2.44		
		11th	2.37	1.91	2.27	2.84	2.87	2.31	2.62	2.42		
		12th	2.45	2.16	2.48	2.72	2.29	2.72	2.66	2.49		
		6 thru 12	2.24	1.80	2.13	2.23	2.31	2.06	2.36	2.15		
		ANALYSIS: F(6,10187) = 24.4**; 2 < 1, 3, 4, 5, 6, 7; 6 < 5, 7; and 3 < 7										
		Past- Year	6th	1.44	1.16	1.49	1.31	1.44	1.20	1.41	1.34	
7th	1.78		1.57	1.47	1.65	1.69	1.87	1.82	1.68			
8th	1.84		1.40	1.62	1.60	1.89	1.42	1.58	1.60			
9th	1.76		1.57	1.75	1.65	1.94	1.61	2.00	1.73			
10th	1.75		1.61	1.64	1.69	1.66	1.88	1.76	1.70			
11th	1.68		1.42	1.52	1.66	2.01	1.56	1.49	1.58			
12th	1.75		1.50	1.57	1.80	1.68	1.88	1.75	1.69			
6 thru 12	1.70		1.45	1.58	1.60	1.74	1.61	1.68	1.61			
ANALYSIS: F(6,9983) = 20.1**; 2 < 1, 3, 4, 5, 7; 6 < 1, 4, 5, 7; and 3 < 5, 7.												
Past-Month	6th		1.23	1.10	1.23	1.19	1.23	1.16	1.28	1.20		
	7th	1.51	1.40	1.24	1.35	1.38	1.35	1.48	1.38			
	8th	1.68	1.27	1.67	1.57	1.70	1.57	1.43	1.54			
	9th	1.57	1.46	1.54	1.63	1.80	1.69	1.77	1.61			
	10th	1.64	1.43	1.50	1.66	1.63	1.49	1.68	1.57			
	11th	1.56	1.36	1.46	1.68	1.77	1.64	1.52	1.54			
	12th	1.55	1.52	1.51	1.63	1.51	1.68	1.73	1.58			
	6 thru 12	1.53	1.36	1.45	1.51	1.57	1.51	1.54	1.48			
ANALYSIS: F(6,9491) = 18.8**; 2 < 1, 3, 4, 5, 7; 6 < 1, 4, 5, 7; and 3 < 5, 7												

TABLE 14 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE		
			SUB-STATE REGIONS:									
			1	2	3	4	5	6	7			
Smokeless Tobacco	Lifetime	6th	1.18	1.02	1.23	1.14	1.14	1.08	1.06	1.12		
		7th	1.51	1.10	1.04	1.31	1.43	1.31	1.46	1.30		
		8th	1.54	1.10	1.28	1.39	1.58	1.33	1.59	1.38		
		9th	1.52	1.24	1.65	1.61	1.80	1.46	1.57	1.53		
		10th	1.65	1.21	1.48	1.55	1.71	1.49	1.58	1.50		
		11th	1.58	1.31	1.63	1.77	1.60	1.56	1.62	1.57		
		12th	1.47	1.28	1.53	1.82	1.57	2.00	1.47	1.57		
		6 thru 12	1.49	1.17	1.39	1.48	1.54	1.43	1.47	1.41		
		ANALYSIS: F(6,10121) = 22.0**; 2 < 1, 3, 4, 5, 6, 7; and 3 < 5										
		Smokeless Tobacco	Past- Year	6th	1.19	1.05	1.18	1.06	1.09	1.07	1.09	1.10
7th	1.33			1.14	1.04	1.28	1.37	1.25	1.34	1.24		
8th	1.31			1.02	1.17	1.19	1.25	1.25	1.18	1.19		
9th	1.26			1.10	1.35	1.25	1.37	1.18	1.30	1.25		
10th	1.29			1.13	1.20	1.23	1.24	1.11	1.32	1.22		
11th	1.19			1.13	1.22	1.35	1.28	1.06	1.27	1.21		
12th	1.21			1.11	1.27	1.31	1.21	1.29	1.22	1.22		
6 thru 12	1.26			1.09	1.20	1.23	1.26	1.17	1.24	1.20		
ANALYSIS: F(6,9985) = 15.9**; 2 < 1, 3, 4, 5, 6, 7												
Smokeless Tobacco	Past-Month			6th	1.06	1.04	1.08	1.06	1.07	1.02	1.03	1.05
		7th	1.18	1.05	1.00	1.09	1.17	1.08	1.14	1.09		
		8th	1.24	1.07	1.18	1.19	1.31	1.16	1.25	1.19		
		9th	1.26	1.14	1.36	1.29	1.41	1.24	1.29	1.27		
		10th	1.25	1.12	1.20	1.24	1.24	1.12	1.23	1.20		
		11th	1.23	1.18	1.19	1.29	1.25	1.13	1.26	1.22		
		12th	1.18	1.06	1.20	1.20	1.16	1.14	1.16	1.16		
		6 thru 12	1.20	1.09	1.17	1.19	1.24	1.13	1.20	1.17		
		ANALYSIS: F (6,9493) = 9.8**; 2 < 1, 3, 4, 5, 7; and 6 < 5										

TABLE 15

Frequency of Inhalant Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE		
			SUB-STATE REGIONS:									
			1	2	3	4	5	6	7			
Inhalants	Lifetime	6th	1.13	1.14	1.13	1.06	1.11	1.10	1.22	1.13		
		7th	1.26	1.07	1.16	1.32	1.21	1.17	1.29	1.21		
		8th	1.25	1.05	1.28	1.51	1.33	1.21	1.28	1.27		
		9th	1.33	1.22	1.21	1.25	1.39	1.29	1.36	1.28		
		10th	1.36	1.11	1.24	1.26	1.22	1.28	1.23	1.24		
		11th	1.15	1.16	1.20	1.24	1.24	1.22	1.18	1.20		
		12th	1.19	1.14	1.18	1.17	1.13	1.00	1.26	1.16		
		6 thru 12	1.24	1.13	1.20	1.26	1.24	1.19	1.26	1.22		
		ANALYSIS: F(6,10164)= 8.6*; 2 < 1, 4, 5, 7										
			Past- Year	6th	1.10	1.06	1.11	1.06	1.06	1.03	1.19	1.09
7th	1.12			1.04	1.06	1.22	1.08	1.08	1.13	1.11		
8th	1.20			1.03	1.21	1.33	1.26	1.13	1.11	1.18		
9th	1.30			1.14	1.15	1.26	1.28	1.23	1.40	1.25		
10th	1.30			1.09	1.18	1.22	1.19	1.23	1.28	1.21		
11th	1.12			1.13	1.17	1.17	1.17	1.13	1.21	1.16		
12th	1.10			1.11	1.16	1.10	1.16	1.00	1.19	1.12		
6 thru 12	1.18			1.08	1.15	1.20	1.17	1.12	1.22	1.16		
ANALYSIS: F(6,10077) = 6.8**; 2 < 1, 4, 5, 7												
	Past-Month			6th	1.04	1.09	1.09	1.01	1.08	1.05	1.05	1.06
		7th	1.09	1.09	1.04	1.17	1.07	1.03	1.09	1.09		
		8th	1.15	1.09	1.19	1.31	1.18	1.14	1.21	1.18		
		9th	1.23	1.14	1.15	1.19	1.25	1.20	1.24	1.19		
		10th	1.18	1.10	1.13	1.11	1.13	1.16	1.19	1.14		
		11th	1.09	1.09	1.11	1.09	1.15	1.11	1.12	1.10		
		12th	1.11	1.08	1.08	1.07	1.08	1.00	1.12	1.08		
		6 thru 12	1.13	1.10	1.11	1.15	1.14	1.11	1.15	1.13		
		ANALYSIS: F (6,9602) = 2.4*; (No differences observed.)										

TABLE 16

Frequency of Alcohol Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Beer	Lifetime	6th	1.53	1.33	1.60	1.36	1.49	1.56	1.39	1.45	
		7th	1.89	1.74	1.64	1.63	1.90	1.81	1.75	1.75	
		8th	2.13	1.62	2.08	2.05	2.30	1.81	2.05	1.98	
		9th	2.23	2.24	2.48	2.31	2.57	2.41	2.70	2.40	
		10th	2.48	2.47	2.57	2.39	2.74	2.43	2.90	2.57	
		11th	2.73	2.25	2.71	2.74	3.10	2.84	2.97	2.72	
		12th	2.78	2.79	2.77	2.82	2.71	3.21	3.10	2.88	
	6 thru 12	2.20	2.00	2.21	2.11	2.36	2.23	2.35	2.19		
	ANALYSIS: F(6,10146)= 10.7**; 2 < 1, 3, 5, 6, 7; and 4 < 5, 7										
	Past- Year	6th	1.37	1.20	1.41	1.25	1.33	1.38	1.23	1.30	
		7th	1.70	1.51	1.49	1.47	1.64	1.63	1.56	1.56	
		8th	2.02	1.55	1.66	1.91	2.14	1.82	1.86	1.83	
		9th	2.13	2.04	2.09	2.15	2.27	1.91	2.57	2.16	
10th		2.19	2.24	2.08	2.20	2.27	2.42	2.34	2.24		
11th		2.42	1.92	2.30	2.40	2.72	2.45	2.50	2.35		
12th		2.35	2.31	2.15	2.51	2.36	2.71	2.47	2.39		
6 thru 12	1.97	1.76	1.82	1.90	2.03	1.95	1.98	1.90			
ANALYSIS: F(6,10119) = 7.1**; 2 < 5, 6, 7; 4 < 5, 7; and 3 < 7											
Past-Month	6th	1.17	1.14	1.16	1.11	1.16	1.16	1.16	1.15		
	7th	1.38	1.35	1.21	1.19	1.30	1.42	1.25	1.29		
	8th	1.72	1.37	1.44	1.55	1.72	1.46	1.63	1.54		
	9th	1.75	1.70	1.89	1.72	1.89	1.63	2.01	1.79		
	10th	1.84	1.84	1.67	1.85	1.99	1.61	2.10	1.84		
	11th	1.91	1.70	1.89	1.97	2.16	1.97	2.38	1.98		
	12th	1.94	2.02	1.87	1.94	1.70	1.90	2.34	1.98		
6 thru 12	1.65	1.56	1.57	1.58	1.68	1.56	1.80	1.63			
ANALYSIS: F (6,9699) = 6.4**; 2, 4 < 5, 7; and 6, 3 < 7											

TABLE 16 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Wine Coolers	Lifetime	6th	1.45	1.26	1.50	1.37	1.50	1.60	1.36	1.42	
		7th	1.86	1.74	1.61	1.72	1.81	1.90	1.76	1.76	
		8th	2.08	1.63	2.01	2.13	2.30	1.90	2.23	2.02	
		9th	2.28	2.29	2.51	2.24	2.63	2.42	2.56	2.39	
		10th	2.47	2.47	2.47	2.41	2.65	2.37	2.97	2.55	
		11th	2.79	2.36	2.70	2.87	3.08	2.78	2.79	2.73	
		12th	2.79	2.80	2.82	2.75	2.69	3.15	3.08	2.87	
	6 thru 12	2.19	2.02	2.18	2.14	2.34	2.25	2.33	2.19		
	ANALYSIS: F(6,10163)= 9.2**; 2 < 1, 5, 6, 7; and 4 < 5, 7										
	Past- Year	6th	1.31	1.19	1.36	1.27	1.34	1.36	1.22	1.28	
		7th	1.66	1.46	1.49	1.59	1.63	1.72	1.44	1.56	
		8th	1.89	1.53	1.65	1.83	2.11	1.83	1.96	1.80	
		9th	2.07	2.04	2.10	2.01	2.11	2.03	2.39	2.10	
10th		2.12	2.16	2.06	2.24	2.21	2.08	2.63	2.22		
11th		2.46	2.13	2.36	2.58	2.67	2.17	2.53	2.40		
12th		2.46	2.49	2.29	2.32	2.32	2.70	2.58	2.45		
6 thru 12	1.93	1.79	1.84	1.90	2.00	1.93	2.02	1.91			
ANALYSIS: F(6,10067) = 5.9**; 2 < 1, 5, 7											
Past-Month	6th	1.12	1.11	1.13	1.11	1.16	1.13	1.12	1.12		
	7th	1.31	1.32	1.27	1.27	1.23	1.41	1.24	1.29		
	8th	1.60	1.38	1.47	1.53	1.76	1.47	1.68	1.54		
	9th	1.72	1.69	1.72	1.65	1.78	1.71	1.77	1.71		
	10th	1.79	1.74	1.79	1.79	1.90	1.56	1.99	1.80		
	11th	1.86	1.78	1.78	2.02	2.07	1.84	2.04	1.90		
	12th	1.90	2.01	1.91	1.81	1.92	2.09	2.04	1.95		
6 thru 12	1.60	1.56	1.56	1.56	1.67	1.58	1.68	1.60			
ANALYSIS: F (6,9594) = 4.0**; 4 < 5, 7											

TABLE 16 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Wine	Lifetime	6th	1.27	1.14	1.26	1.23	1.25	1.37	1.27	1.25	
		7th	1.56	1.27	1.24	1.50	1.48	1.56	1.61	1.45	
		8th	1.67	1.39	1.68	1.76	1.91	1.64	1.90	1.69	
		9th	1.82	1.84	2.02	1.99	2.26	1.98	2.38	2.02	
		10th	1.96	2.06	2.05	2.07	2.27	1.92	2.66	2.15	
		11th	2.26	1.94	2.14	2.26	2.62	2.26	2.56	2.26	
		12th	2.22	2.21	2.34	2.35	2.22	2.28	2.63	2.33	
	6 thru 12	1.78	1.65	1.78	1.83	1.97	1.82	2.09	1.83		
	ANALYSIS: F(6,10129)= 19.9**; 2 < 4, 5, 6, 7; 1, 3 < 5, 7; and 4, 6 < 7										
	Past- Year	6th	1.16	1.10	1.19	1.12	1.22	1.35	1.19	1.18	
7th		1.45	1.30	1.19	1.38	1.32	1.46	1.38	1.35		
8th		1.66	1.37	1.46	1.68	1.74	1.56	1.74	1.59		
9th		1.77	1.66	1.79	1.86	1.82	1.75	2.24	1.83		
10th		1.67	1.82	1.75	1.90	1.92	1.76	2.25	1.87		
11th		1.98	1.76	1.97	2.22	2.35	1.72	2.33	2.04		
12th		2.04	2.01	1.97	2.09	2.01	1.90	2.34	2.06		
6 thru 12	1.64	1.53	1.57	1.69	1.72	1.62	1.86	1.66			
ANALYSIS: F(6,10033) = 10.8**; 2 < 5, 7; 1, 3, 4, 6 < 7											
Past-Month	6th	1.04	1.06	1.09	1.03	1.12	1.12	1.13	1.08		
	7th	1.25	1.09	1.04	1.17	1.11	1.30	1.17	1.16		
	8th	1.45	1.24	1.36	1.39	1.53	1.33	1.52	1.40		
	9th	1.48	1.44	1.53	1.57	1.59	1.60	1.78	1.56		
	10th	1.59	1.51	1.56	1.66	1.70	1.35	1.92	1.62		
	11th	1.57	1.59	1.63	1.73	1.80	1.67	1.86	1.68		
	12th	1.72	1.68	1.66	1.66	1.66	1.68	1.97	1.72		
6 thru 12	1.43	1.36	1.39	1.44	1.49	1.43	1.61	1.45			
ANALYSIS: F (6,9699) = 6.4**; 2, 4 < 5, 7; and 6, 3 < 7											

TABLE 16 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Liquor	Lifetime	6th	1.19	1.10	1.21	1.14	1.17	1.29	1.14	1.17	
		7th	1.49	1.29	1.18	1.40	1.38	1.43	1.50	1.38	
		8th	1.62	1.43	1.61	1.69	1.76	1.52	1.75	1.62	
		9th	1.93	1.91	1.97	1.89	2.09	2.01	2.39	2.01	
		10th	2.18	2.18	2.19	2.12	2.33	2.21	2.73	2.28	
		11th	2.46	2.10	2.33	2.46	2.75	2.42	2.73	2.44	
		12th	2.45	2.52	2.46	2.49	2.27	3.04	2.85	2.58	
	6 thru 12	1.85	1.73	1.79	1.81	1.92	1.92	2.09	1.86		
	ANALYSIS: F(6,10138)= 11.9**; 2 < 5, 6, 7; and 1, 3, 4 < 7										
	Past- Year	6th	1.16	1.05	1.11	1.08	1.14	1.22	1.14	1.12	
		7th	1.40	1.24	1.13	1.30	1.26	1.40	1.30	1.28	
		8th	1.56	1.24	1.47	1.48	1.69	1.35	1.59	1.47	
		9th	1.81	1.70	1.69	1.82	1.96	1.80	2.18	1.84	
10th		1.90	1.88	1.84	1.79	2.15	1.99	2.25	1.95		
11th		2.14	1.83	1.98	2.24	2.32	1.99	2.39	2.11		
12th		2.14	2.19	1.98	2.24	1.98	2.38	2.43	2.20		
6 thru 12	1.67	1.53	1.54	1.63	1.72	1.66	1.80	1.64			
ANALYSIS: F(6,10031) = 10.7**; 2 < 5, 7; and 1, 3, 4, 6 < 7											
Past-Month	6th	1.05	1.03	1.06	1.02	1.06	1.13	1.10	1.06		
	7th	1.23	1.07	1.02	1.14	1.13	1.25	1.15	1.14		
	8th	1.41	1.20	1.34	1.36	1.33	1.29	1.41	1.34		
	9th	1.52	1.47	1.46	1.51	1.63	1.55	1.74	1.54		
	10th	1.68	1.56	1.63	1.64	1.75	1.47	1.93	1.67		
	11th	1.78	1.65	1.63	1.89	1.87	1.85	2.03	1.81		
	12th	1.79	1.87	1.63	1.84	1.62	2.00	2.23	1.86		
6 thru 12	1.48	1.39	1.38	1.45	1.47	1.47	1.63	1.46			
ANALYSIS: F (6,9462) = 6.2**; 1, 2, 3, 4, 6 < 7											

TABLE 17
Frequency of Steroid Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Steroids	Lifetime	6th	1.02	1.01	1.00	1.01	1.01	1.05	1.01	1.01	
		7th	1.02	1.01	1.01	1.02	1.02	1.01	1.01	1.01	
		8th	1.02	1.01	1.04	1.02	1.07	1.06	1.02	1.03	
		9th	1.01	1.03	1.02	1.03	1.05	1.04	1.07	1.03	
		10th	1.01	1.01	1.00	1.02	1.00	1.03	1.05	1.02	
		11th	1.01	1.02	1.00	1.04	1.01	1.08	1.03	1.03	
		12th	1.00	1.02	1.02	1.04	1.02	1.00	1.02	1.02	
	6 thru 12	1.01	1.02	1.01	1.02	1.03	1.04	1.03	1.02		
	ANALYSIS: F(6,10161)= 2.4*; (No differences observed.)										
	Past- Year	6th	1.00	1.00	1.02	1.00	1.00	1.02	1.03	1.01	
		7th	1.03	1.00	1.00	1.02	1.00	1.02	1.01	1.01	
		8th	1.02	1.00	1.02	1.02	1.06	1.09	1.03	1.03	
		9th	1.02	1.05	1.06	1.02	1.02	1.04	1.04	1.04	
10th		1.03	1.01	1.01	1.01	1.01	1.01	1.04	1.02		
11th		1.01	1.00	1.02	1.03	1.02	1.00	1.01	1.01		
12th		1.00	1.00	1.02	1.03	1.02	1.12	1.02	1.03		
6 thru 12	1.02	1.01	1.02	1.02	1.02	1.04	1.03	1.02			
ANALYSIS: F(6,10164) = 2.0 ^{NS} ; (No differences observed.)											
Past-Month	6th	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00		
	7th	1.03	1.02	1.00	1.00	1.01	1.01	1.00	1.01		
	8th	1.03	1.02	1.00	1.03	1.03	1.08	1.03	1.03		
	9th	1.04	1.02	1.03	1.06	1.02	1.07	1.04	1.04		
	10th	1.03	1.04	1.01	1.03	1.01	1.02	1.04	1.03		
	11th	1.01	1.00	1.01	1.01	1.02	1.07	1.01	1.02		
	12th	1.01	1.03	1.02	1.02	1.05	1.09	1.04	1.03		
6 thru 12	1.02	1.02	1.01	1.02	1.02	1.05	1.02	1.02			
ANALYSIS: F (6,9699) = 6.4***; 2, 4 < 5, 7; and 6, 3 < 7											

TABLE 18
Frequency of Marijuana Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Marijuana	Lifetime	6th	1.09	1.01	1.07	1.03	1.07	1.09	1.07	1.06	
		7th	1.32	1.26	1.03	1.20	1.16	1.20	1.26	1.21	
		8th	1.41	1.22	1.32	1.47	1.31	1.07	1.53	1.35	
		9th	1.46	1.42	1.42	1.61	1.58	1.44	2.03	1.56	
		10th	1.66	1.71	1.46	1.50	1.57	1.68	2.08	1.68	
		11th	1.68	1.65	1.50	1.74	1.73	1.68	2.17	1.74	
		12th	1.72	1.76	1.76	1.74	1.79	2.23	2.24	1.88	
	6 thru 12	1.45	1.40	1.34	1.44	1.43	1.44	1.72	1.46		
	ANALYSIS: F(6,10180)= 19.5**; 1, 2, 3, 4, 5, 6 < 7										
	Past- Year	6th	1.09	1.02	1.06	1.03	1.06	1.10	1.08	1.06	
		7th	1.21	1.23	1.01	1.21	1.13	1.17	1.26	1.18	
		8th	1.30	1.11	1.14	1.27	1.27	1.01	1.23	1.19	
		9th	1.27	1.31	1.28	1.40	1.31	1.25	1.57	1.34	
10th		1.48	1.42	1.26	1.28	1.36	1.44	1.60	1.40		
11th		1.52	1.38	1.38	1.46	1.47	1.42	1.53	1.45		
12th		1.36	1.55	1.40	1.41	1.36	1.50	1.84	1.50		
6 thru 12	1.30	1.27	1.20	1.28	1.27	1.24	1.41	1.28			
ANALYSIS: F(6,10078) = 17.4**; 3 < 1, 4, 7; and 1, 2, 4, 5, 6 < 7											
Past-Month	6th	1.06	1.01	1.03	1.02	1.05	1.02	1.08	1.04		
	7th	1.11	1.11	1.00	1.10	1.06	1.13	1.09	1.09		
	8th	1.29	1.13	1.14	1.32	1.17	1.09	1.34	1.22		
	9th	1.29	1.18	1.17	1.30	1.31	1.20	1.50	1.27		
	10th	1.39	1.35	1.21	1.22	1.36	1.36	1.53	1.34		
	11th	1.42	1.34	1.29	1.38	1.40	1.47	1.59	1.41		
	12th	1.32	1.47	1.29	1.38	1.36	1.71	1.63	1.44		
6 thru 12	1.26	1.21	1.15	1.24	1.24	1.25	1.38	1.25			
ANALYSIS: F (6,9611) = 11.1**; 1, 2, 3, 4, 5, 6 < 7											

TABLE 19
Frequency of Hallucinogen Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Hallucinogens	Lifetime	6th	1.01	1.00	1.01	1.00	1.00	1.06	1.00	1.01	
		7th	1.03	1.01	1.01	1.04	1.02	1.06	1.06	1.03	
		8th	1.11	1.06	1.15	1.12	1.13	1.05	1.20	1.12	
		9th	1.05	1.02	1.06	1.13	1.12	1.04	1.21	1.09	
		10th	1.10	1.04	1.10	1.14	1.07	1.17	1.19	1.12	
		11th	1.03	1.08	1.11	1.15	1.09	1.12	1.29	1.13	
		12th	1.04	1.13	1.13	1.11	1.04	1.23	1.26	1.13	
		6 thru 12	1.05	1.04	1.08	1.09	1.07	1.10	1.16	1.08	
	ANALYSIS: F(6,10139)= 11.2**; 1, 2, 3, 4, 5, 6 < 7										
	Past- Year	6th	1.04	1.02	1.06	1.01	1.01	1.01	1.00	1.02	
		7th	1.05	1.04	1.00	1.09	1.04	1.08	1.08	1.06	
		8th	1.03	1.00	1.03	1.10	1.03	1.03	1.08	1.04	
		9th	1.01	1.01	1.04	1.09	1.07	1.00	1.17	1.06	
		10th	1.05	1.03	1.04	1.09	1.03	1.00	1.12	1.05	
		11th	1.01	1.06	1.05	1.11	1.06	1.00	1.22	1.08	
		12th	1.02	1.07	1.06	1.09	1.02	1.00	1.24	1.08	
		6 thru 12	1.03	1.03	1.04	1.08	1.04	1.02	1.12	1.05	
	ANALYSIS: F(6,10116) = 14.9**; 2, 6 < 4, 7; and 1, 3, 4, 5, < 7										
	Past-Month	6th	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00	
		7th	1.02	1.01	1.00	1.04	1.00	1.04	1.08	1.03	
		8th	1.02	1.00	1.03	1.09	1.02	1.05	1.05	1.04	
		9th	1.02	1.03	1.02	1.09	1.03	1.01	1.08	1.04	
10th		1.04	1.03	1.03	1.06	1.02	1.00	1.08	1.04		
11th		1.02	1.02	1.04	1.06	1.04	1.00	1.19	1.05		
12th		1.04	1.04	1.06	1.04	1.01	1.00	1.14	1.05		
6 thru 12		1.02	1.02	1.03	1.06	1.02	1.02	1.08	1.04		
ANALYSIS: F (6,9553) = 9.1**; 2 < 4, 7; 1, 3, 5, 6 < 7											

TABLE 20
Frequency of Stimulant Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Cocaine	Lifetime	6th	1.01	1.02	1.01	1.00	1.01	1.00	1.00	1.01	
		7th	1.04	1.01	1.00	1.05	1.00	1.00	1.03	1.02	
		8th	1.03	1.00	1.06	1.04	1.02	1.01	1.09	1.04	
		9th	1.03	1.01	1.02	1.04	1.04	1.00	1.05	1.03	
		10th	1.03	1.00	1.02	1.04	1.04	1.04	1.04	1.03	
		11th	1.01	1.04	1.04	1.03	1.05	1.05	1.07	1.04	
		12th	1.04	1.03	1.02	1.05	1.02	1.15	1.09	1.06	
		6 thru 12	1.03	1.01	1.02	1.03	1.02	1.03	1.05	1.03	
	ANALYSIS: F(6,10138)= 2.2*; 2 < 7										
	Past- Year	6th	1.00	1.02	1.03	1.00	1.01	1.00	1.00	1.01	
		7th	1.05	1.01	1.00	1.05	1.00	1.01	1.00	1.02	
		8th	1.04	1.01	1.04	1.02	1.02	1.05	1.05	1.03	
		9th	1.01	1.01	1.05	1.03	1.03	1.01	1.03	1.02	
		10th	1.05	1.01	1.02	1.03	1.02	1.00	1.01	1.02	
		11th	1.00	1.00	1.06	1.02	1.01	1.00	1.07	1.02	
		12th	1.01	1.00	1.03	1.01	1.01	1.16	1.08	1.04	
		6 thru 12	1.02	1.01	1.03	1.02	1.01	1.03	1.03	1.02	
	ANALYSIS: F(6,10105) = 0.7 ^{NS} ; (No differences observed.)										
	Past-Month	6th	1.00	1.01	1.02	1.01	1.00	1.04	1.00	1.01	
		7th	1.01	1.01	1.00	1.00	1.02	1.00	1.00	1.00	
		8th	1.02	1.00	1.02	1.04	1.03	1.06	1.05	1.03	
9th		1.01	1.00	1.01	1.03	1.03	1.00	1.02	1.02		
10th		1.02	1.00	1.01	1.02	1.02	1.01	1.04	1.02		
11th		1.00	1.04	1.02	1.02	1.02	1.00	1.04	1.02		
12th		1.03	1.00	1.02	1.04	1.01	1.17	1.04	1.04		
6 thru 12		1.01	1.01	1.01	1.02	1.02	1.04	1.03	1.02		
ANALYSIS: F (6,9627) = 1.3 ^{NS} ; (No differences observed.)											

TABLE 20 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Uppers	Lifetime	6th	1.02	1.01	1.01	1.01	1.04	1.01	1.03	1.02	
		7th	1.12	1.01	1.04	1.07	1.07	1.07	1.14	1.07	
		8th	1.11	1.00	1.12	1.24	1.13	1.12	1.21	1.13	
		9th	1.18	1.03	1.07	1.17	1.16	1.06	1.31	1.14	
		10th	1.22	1.08	1.20	1.22	1.13	1.09	1.36	1.19	
		11th	1.18	1.10	1.18	1.28	1.25	1.14	1.37	1.21	
		12th	1.15	1.15	1.26	1.22	1.12	1.27	1.46	1.24	
	6 thru 12	1.14	1.05	1.12	1.16	1.12	1.10	1.25	1.13		
	ANALYSIS: F(6,10178)= 19.7**; 2 < 1, 3, 4, 7; and 1, 3, 4, 5, 6 < 7										
	Past- Year	6th	1.01	1.00	1.01	1.00	1.04	1.00	1.01	1.01	
		7th	1.08	1.01	1.06	1.07	1.04	1.03	1.08	1.05	
		8th	1.11	1.00	1.15	1.17	1.10	1.10	1.14	1.11	
		9th	1.16	1.02	1.05	1.17	1.15	1.09	1.30	1.13	
10th		1.18	1.06	1.16	1.17	1.15	1.07	1.29	1.16		
11th		1.14	1.08	1.14	1.19	1.16	1.04	1.31	1.15		
12th		1.13	1.10	1.20	1.08	1.09	1.24	1.30	1.16		
6 thru 12	1.11	1.03	1.10	1.12	1.10	1.08	1.19	1.11			
ANALYSIS: F(6,10099) = 12.6**; 2 < 1, 3, 4, 7; and 1, 3, 5, 6 < 7											
Past-Month	6th	1.00	1.00	1.01	1.00	1.03	1.00	1.00	1.00		
	7th	1.05	1.00	1.00	1.05	1.01	1.01	1.09	1.03		
	8th	1.04	1.00	1.09	1.11	1.07	1.07	1.12	1.07		
	9th	1.09	1.02	1.04	1.10	1.08	1.01	1.19	1.08		
	10th	1.10	1.05	1.07	1.11	1.08	1.00	1.18	1.09		
	11th	1.09	1.02	1.08	1.12	1.11	1.00	1.13	1.08		
	12th	1.06	1.08	1.10	1.11	1.07	1.08	1.20	1.10		
6 thru 12	1.06	1.02	1.05	1.09	1.06	1.02	1.13	1.06			
ANALYSIS: F (6,9540) = 10.7**; 2, 6 < 4, 7; and 1, 3 < 7											

TABLE 20 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Ecstasy	Lifetime	6th	1.00	1.01	1.01	1.01	1.00	1.00	1.00	1.00	
		7th	1.01	1.00	1.00	1.01	1.01	1.01	1.03	1.01	
		8th	1.02	1.00	1.01	1.03	1.06	1.00	1.05	1.02	
		9th	1.00	1.01	1.01	1.04	1.05	1.00	1.05	1.02	
		10th	1.03	1.00	1.04	1.03	1.00	1.02	1.07	1.03	
		11th	1.02	1.03	1.01	1.01	1.03	1.05	1.02	1.02	
		12th	1.03	1.02	1.02	1.03	1.01	1.00	1.08	1.03	
	6 thru 12	1.01	1.01	1.01	1.02	1.03	1.01	1.04	1.02		
	ANALYSIS: F(6,10168)= 4.4*; 1, 2, 3, 6 < 7										
	Past- Year	6th	1.00	1.00	1.01	1.00	1.00	1.01	1.00	1.00	
		7th	1.03	1.00	1.00	1.03	1.01	1.01	1.04	1.02	
		8th	1.06	1.03	1.10	1.04	1.03	1.00	1.05	1.04	
		9th	1.01	1.05	1.00	1.10	1.05	1.10	1.06	1.05	
10th		1.07	1.00	1.06	1.05	1.04	1.05	1.09	1.05		
11th		1.03	1.09	1.04	1.02	1.05	1.10	1.09	1.06		
12th		1.04	1.05	1.08	1.05	1.11	1.12	1.11	1.07		
6 thru 12	1.03	1.03	1.04	1.04	1.04	1.05	1.06	1.04			
ANALYSIS: F(6,10047) = 2.0 ^{NS} ; (No differences observed.)											
Past-Month	6th	1.00	1.00	1.01	1.01	1.00	1.00	1.00	1.00		
	7th	1.02	1.02	1.00	1.00	1.00	1.00	1.01	1.01		
	8th	1.01	1.00	1.01	1.02	1.01	1.01	1.02	1.01		
	9th	1.01	1.00	1.00	1.04	1.02	1.00	1.03	1.02		
	10th	1.01	1.00	1.01	1.01	1.01	1.01	1.03	1.01		
	11th	1.01	1.00	1.03	1.01	1.01	1.00	1.02	1.01		
	12th	1.02	1.02	1.01	1.01	1.01	1.00	1.05	1.02		
6 thru 12	1.01	1.01	1.01	1.01	1.01	1.00	1.02	1.01			
ANALYSIS: F (6,9553) = 1.6 ^{NS} ; (No differences observed.)											

TABLE 20 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Ice	Lifetime	6th	1.01	1.03	1.01	1.00	1.03	1.03	1.02	1.02	
		7th	1.01	1.03	1.00	1.04	1.00	1.02	1.03	1.02	
		8th	1.02	1.01	1.04	1.03	1.01	1.00	1.02	1.02	
		9th	1.02	1.00	1.03	1.03	1.06	1.00	1.01	1.02	
		10th	1.03	1.02	1.02	1.02	1.00	1.10	1.04	1.03	
		11th	1.02	1.03	1.02	1.03	1.04	1.04	1.02	1.03	
		12th	1.00	1.01	1.02	1.03	1.01	1.00	1.05	1.02	
	6 thru 12	1.02	1.02	1.02	1.03	1.02	1.03	1.03	1.02		
	ANALYSIS: F(6,10221)= 6.4 ^{NS} ; (No differences observed.)										
	Past- Year	6th	1.01	1.03	1.01	1.00	1.03	1.00	1.01	1.01	
		7th	1.03	1.02	1.00	1.02	1.01	1.05	1.05	1.03	
		8th	1.02	1.00	1.02	1.00	1.02	1.00	1.00	1.01	
		9th	1.01	1.00	1.02	1.05	1.03	1.00	1.03	1.02	
10th		1.01	1.00	1.03	1.03	1.01	1.02	1.04	1.02		
11th		1.00	1.02	1.01	1.04	1.03	1.00	1.02	1.02		
12th		1.00	1.01	1.02	1.00	1.01	1.00	1.03	1.01		
6 thru 12	1.01	1.01	1.01	1.02	1.02	1.01	1.03	1.01			
ANALYSIS: F(6,10154) = 0.8 ^{NS} ; (No differences observed.)											
Past-Month	6th	1.00	1.02	1.00	1.00	1.03	1.01	1.01	1.01		
	7th	1.00	1.03	1.00	1.00	1.00	1.03	1.04	1.01		
	8th	1.00	1.01	1.01	1.02	1.00	1.01	1.04	1.01		
	9th	1.01	1.00	1.01	1.03	1.01	1.00	1.02	1.01		
	10th	1.02	1.00	1.01	1.01	1.00	1.00	1.02	1.01		
	11th	1.00	1.01	1.01	1.02	1.02	1.00	1.02	1.01		
	12th	1.00	1.00	1.02	1.03	1.00	1.00	1.01	1.01		
6 thru 12	1.01	1.01	1.01	1.01	1.01	1.01	1.02	1.01			
ANALYSIS: F (6,954) = 1.1 ^{NS} ; (No differences observed.)											

TABLE 20 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Crack	Lifetime	6th	1.01	1.01	1.01	1.00	1.01	1.00	1.00	1.00	
		7th	1.01	1.02	1.00	1.02	1.00	1.00	1.01	1.01	
		8th	1.02	1.00	1.01	1.01	1.04	1.02	1.04	1.02	
		9th	1.00	1.02	1.01	1.02	1.03	1.00	1.03	1.01	
		10th	1.04	1.01	1.00	1.02	1.02	1.03	1.00	1.02	
		11th	1.02	1.03	1.02	1.02	1.01	1.06	1.02	1.02	
		12th	1.02	1.00	1.01	1.00	1.01	1.12	1.02	1.02	
	6 thru 12	1.02	1.01	1.01	1.01	1.02	1.03	1.02	1.01		
	ANALYSIS: F(6,10228)= 1.7 ^{NS} ; (No differences observed.)										
	Past- Year	6th	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00	1.00
7th		1.01	1.02	1.00	1.02	1.00	1.00	1.03	1.01		
8th		1.01	1.01	1.02	1.00	1.03	1.07	1.02	1.02		
9th		1.00	1.02	1.01	1.02	1.02	1.00	1.03	1.02		
10th		1.06	1.00	1.01	1.01	1.01	1.04	1.01	1.02		
11th		1.01	1.05	1.02	1.01	1.00	1.00	1.00	1.01		
12th		1.04	1.01	1.01	1.00	1.01	1.16	1.01	1.03		
6 thru 12		1.02	1.01	1.01	1.01	1.01	1.03	1.02	1.02		
ANALYSIS: F(6,10159) = 0.9 ^{NS} ; (No differences observed.)											
Past-Month	6th	1.00	1.00	1.01	1.00	1.00	1.01	1.02	1.01		
	7th	1.01	1.01	1.00	1.01	1.00	1.00	1.01	1.01		
	8th	1.01	1.00	1.00	1.00	1.02	1.06	1.03	1.02		
	9th	1.00	1.01	1.01	1.01	1.01	1.00	1.02	1.01		
	10th	1.02	1.00	1.00	1.01	1.01	1.00	1.00	1.01		
	11th	1.00	1.03	1.02	1.01	1.00	1.00	1.01	1.01		
	12th	1.02	1.00	1.00	1.02	1.01	1.17	1.01	1.03		
	6 thru 12	1.01	1.01	1.01	1.01	1.01	1.03	1.01	1.01		
ANALYSIS: F (6,9626) = 0.9 ^{NS} ; (No differences observed.)											

TABLE 21
Frequency of Depressant Usage Across Grade Levels by Regions and Total State

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Downers	Lifetime	6th	1.00	1.01	1.01	1.00	1.00	1.00	1.00	1.00	
		7th	1.02	1.00	1.00	1.06	1.00	1.00	1.03	1.02	
		8th	1.02	1.00	1.00	1.10	1.08	1.04	1.04	1.04	
		9th	1.02	1.01	1.05	1.06	1.06	1.06	1.11	1.05	
		10th	1.05	1.05	1.09	1.08	1.02	1.04	1.13	1.07	
		11th	1.07	1.05	1.04	1.08	1.12	1.05	1.10	1.07	
		12th	1.04	1.06	1.10	1.07	1.07	1.23	1.15	1.10	
	6 thru 12	1.03	1.02	1.04	1.06	1.05	1.05	1.07	1.05		
	ANALYSIS: F(6,10186)= 4.2*; 2 < 4, 7; and 1 < 7										
	Past- Year	6th	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
		7th	1.01	1.00	1.00	1.03	1.00	1.00	1.06	1.02	
		8th	1.02	1.00	1.00	1.04	1.07	1.04	1.05	1.03	
		9th	1.02	1.02	1.03	1.03	1.05	1.04	1.08	1.04	
10th		1.06	1.03	1.05	1.05	1.02	1.00	1.08	1.05		
11th		1.05	1.05	1.05	1.08	1.09	1.00	1.16	1.07		
12th		1.01	1.06	1.07	1.02	1.04	1.20	1.11	1.07		
6 thru 12	1.02	1.02	1.03	1.04	1.04	1.03	1.07	1.03			
ANALYSIS: F(6,10134) = 4.1*; 1, 2, 3 < 7											
Past-Month	6th	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00		
	7th	1.02	1.00	1.00	1.01	1.00	1.00	1.05	1.01		
	8th	1.02	1.00	1.00	1.03	1.03	1.05	1.03	1.02		
	9th	1.02	1.01	1.04	1.03	1.02	1.03	1.08	1.03		
	10th	1.02	1.04	1.03	1.05	1.01	1.00	1.08	1.04		
	11th	1.05	1.03	1.03	1.05	1.06	1.00	1.08	1.04		
	12th	1.02	1.02	1.04	1.05	1.02	1.00	1.04	1.03		
6 thru 12	1.02	1.02	1.02	1.03	1.02	1.01	1.05	1.02			
ANALYSIS: F (6,9600) = 2.2*; (No differences observed.)											

TABLE 21 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Heroin	Lifetime	6th	1.00	1.00	1.02	1.00	1.00	1.06	1.00	1.01	
		7th	1.01	1.00	1.00	1.02	1.01	1.01	1.04	1.02	
		8th	1.01	1.01	1.01	1.01	1.03	1.02	1.01	1.01	
		9th	1.01	1.01	1.02	1.01	1.02	1.00	1.02	1.01	
		10th	1.01	1.01	1.01	1.03	1.04	1.05	1.00	1.02	
		11th	1.02	1.03	1.01	1.02	1.01	1.05	1.01	1.02	
		12th	1.00	1.00	1.00	1.00	1.01	1.16	1.01	1.02	
		6 thru 12	1.01	1.01	1.01	1.01	1.02	1.04	1.01	1.01	
	ANALYSIS: F(6,10282)= 4.7**; 1, 2, 3, 4, 7 < 6										
	Past- Year	6th	1.00	1.00	1.02	1.00	1.00	1.03	1.01	1.01	
		7th	1.02	1.00	1.01	1.03	1.02	1.02	1.03	1.02	
		8th	1.00	1.00	1.01	1.00	1.01	1.04	1.00	1.01	
		9th	1.00	1.01	1.02	1.00	1.02	1.00	1.00	1.01	
		10th	1.04	1.00	1.00	1.00	1.00	1.00	1.01	1.01	
		11th	1.00	1.01	1.00	1.01	1.01	1.00	1.01	1.00	
		12th	1.00	1.00	1.00	1.00	1.00	1.16	1.00	1.02	
		6 thru 12	1.01	1.00	1.01	1.01	1.01	1.03	1.01	1.01	
	ANALYSIS: F(6,10118) = 2.6*; 4, 2 < 6										
	Past-Month	6th	1.00	1.00	1.02	1.00	1.00	1.02	1.00	1.01	
		7th	1.01	1.00	1.00	1.00	1.02	1.01	1.03	1.01	
		8th	1.00	1.00	1.00	1.00	1.00	1.08	1.03	1.01	
		9th	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
		10th	1.02	1.00	1.02	1.00	1.00	1.00	1.00	1.01	
		11th	1.00	1.01	1.02	1.01	1.01	1.00	1.00	1.01	
		12th	1.00	1.00	1.00	1.00	1.00	1.17	1.00	1.02	
		6 thru 12	1.00	1.00	1.01	1.00	1.00	1.04	1.01	1.01	
	ANALYSIS: F (6,9600) = 4.6**; 1, 2, 3, 4, 7 < 6										

TABLE 21 - Continued

SUBSTANCE	TYPE OF ESTIMATE	GRADE LEVELS	FREQUENCY OF USE ESTIMATES ACROSS - - -							TOTAL STATE	
			SUB-STATE REGIONS:								
			1	2	3	4	5	6	7		
Roche	Lifetime	6th	1.01	1.01	1.01	1.02	1.01	1.01	1.02	1.01	
		7th	1.06	1.04	1.00	1.04	1.01	1.03	1.08	1.04	
		8th	1.02	1.01	1.01	1.12	1.04	1.00	1.02	1.03	
		9th	1.02	1.00	1.06	1.01	1.01	1.01	1.01	1.02	
		10th	1.01	1.01	1.02	1.01	1.00	1.06	1.02	1.02	
		11th	1.02	1.02	1.02	1.01	1.00	1.05	1.00	1.02	
		12th	1.01	1.00	1.04	1.00	1.01	1.00	1.00	1.01	
	6 thru 12	1.02	1.01	1.02	1.03	1.01	1.02	1.02	1.02		
	ANALYSIS: F(6,10272)= 1.0 ^{NS} ; (No differences observed.)										
	Past- Year	6th	1.01	1.01	1.02	1.00	1.00	1.05	1.00	1.01	
		7th	1.05	1.02	1.00	1.04	1.01	1.01	1.04	1.03	
		8th	1.00	1.02	1.02	1.02	1.02	1.00	1.05	1.02	
		9th	1.03	1.01	1.07	1.01	1.00	1.02	1.01	1.02	
10th		1.00	1.01	1.02	1.01	1.00	1.04	1.02	1.01		
11th		1.00	1.01	1.01	1.01	1.00	1.00	1.00	1.00		
12th		1.00	1.00	1.03	1.00	1.02	1.00	1.01	1.01		
6 thru 12	1.01	1.01	1.02	1.02	1.01	1.02	1.02	1.02			
ANALYSIS: F(6,10022) = 0.7 ^{NS} ; (No differences observed.)											
Past-Month	6th	1.00	1.01	1.02	1.00	1.01	1.03	1.02	1.01		
	7th	1.01	1.01	1.00	1.01	1.02	1.00	1.03	1.01		
	8th	1.00	1.02	1.01	1.02	1.02	1.05	1.04	1.02		
	9th	1.02	1.00	1.01	1.01	1.00	1.00	1.01	1.01		
	10th	1.00	1.02	1.02	1.01	1.00	1.03	1.02	1.02		
	11th	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
	12th	1.00	1.00	1.03	1.00	1.01	1.00	1.00	1.01		
6 thru 12	1.01	1.01	1.01	1.01	1.01	1.02	1.02	1.01			
ANALYSIS: F (6,9427) = 1.3 ^{NS} ; (No differences observed.)											

An Alternative Analysis of the Frequency of Use Estimates

Given the scarcity of consistent conclusions regarding inter-regional differences that could be drawn from the statistical procedures described in the preceding section, an alternative strategy similar to that used to analyze the prevalence results, was undertaken. That strategy involved establishing 95% confidence intervals for the different statewide **frequency of use** estimates and then looking at the associated regional estimates and classifying them as being less than, “equal to”, or greater than the associated statewide estimates. The application of this approach to the regional summaries provided in Tables 14 through 21 yielded the results shown in Table 22.

The information presented in Table 22 clearly reinforces the conclusion drawn from the analyses provided in Tables 14 through 21 - **frequency of drug use** in Region 2 is consistently below the statewide estimate while **frequency of use** in Region 7 is consistently above the statewide estimate. The information in Table 22 also suggests the following:

CATEGORY	FINDINGS		
Tobacco Products	2, 6	< State Estimate <	1, 3, 4, 7
Inhalants	2	< State Estimate <	1, 4, 5, 7
Alcohol	2, 4	< State Estimate <	5, 7
Steroids	2	< State Estimate <	6
Cannabis (Marijuana)	2, 3, 6	< State Estimate <	7
Hallucinogens	1, 2	< State Estimate <	4, 7
Stimulants	---	< State Estimate <	---
Depressants	2	< State Estimate <	---

Table 22

Inter-Regional Frequency of Use Differences Found Using the Alternative Analysis Strategy

CATEGORY	DRUG	TIMEFRAME	95% Confidence Interval for	Classification of Regional Estimates:		
			Statewide Frequency of Use ⁶	Below State	“Equal” to State	Above State
Tobacco Prod.	Cigarettes	Lifetime	2.12 to 2.18	2, 6	3,	1, 4, 5, 7
		Past Year	2.18 to 2.19	2, 6	3,	1, 4, 5, 7
		Past Month	1.86 to 1.92	2, 3, 6		1, 4, 5, 7
	Smokeless Tobacco	Lifetime	1.39 to 1.43	2	3, 6	1, 4, 5, 7
		Past Year	1.34 to 1.39	2, 6	3,	1, 4, 5, 7
		Past Month	1.28 to 1.33	<u>2, 6</u>	<u>3,</u>	<u>1, 4, 5, 7</u>
		(Classification of Regional Estimates (Consistency > 4)			2, 6	3
Inhalants	Inhalants	Lifetime	1.20 to 1.23	2, 6	3	1, 4, 5, 7
		Past Year	1.19 to 1.22	2, 3, 6		1, 4, 5, 7
		Past Month	1.13 to 1.15	<u>2,</u>	<u>3, 6</u>	<u>1, 4, 5, 7</u>
		(Classification of Regional Estimates (Consistency > 2)			2	3, 6
Alcohol	Beer	Lifetime	2.16 to 2.22	2, 4	1, 3	5, 6, 7
		Past Year	2.27 to 2.35	2, 3, 4	1,	5, 6, 7
		Past Month	1.78 to 1.83	2, 4, 6	1, 3	5, 7
	Wine Coolers	Lifetime	2.17 to 2.22	2, 4	1, 3	5, 6, 7
		Past Year	2.14 to 2.20	2, 3	4, 6	1, 5, 7
		Past Month	1.70 to 1.75	2, 4, 6	1, 3	5, 7
	Wine	Lifetime	1.81 to 1.86	1, 2, 3	4, 6	5, 7
		Past Year	1.85 to 1.91	1, 2, 3, 6	4	5, 7
		Past Month	1.54 to 1.58	2, 3, 4, 6	1	5, 7
	Liquor	Lifetime	1.84 to 1.89	2, 3, 4	1	5, 6, 7
		Past Year	1.90 to 1.96	2, 3, 4	1, 6	5, 7
		Past Month	1.58 to 1.63	<u>2, 3, 4,</u>	<u>1, 6</u>	<u>5, 7</u>
		(Classification of Regional Estimates (Consistency > 8)			2, 4	1, 3, 6
Steroids	Steroids	Lifetime	1.02 to 1.03	1, 2, 3	4, 5	6, 7
		Past Year	1.02 to 1.03	2, 4	1, 5, 7	3, 6
		Past Month	1.03 to 1.04	<u>2,</u>	<u>1, 3, 4, 5, 7</u>	<u>6,</u>
		(Classification of Regional Estimates (Consistency > 2)			2	1, 3, 4, 5, 7

⁶ The scaling used for **frequency of use** is as follows: 1 = Never Used; 2 = 1 to 2 Times, 3 = 3 to 10 Times, 4 = 11 to 19 Times, and 5 = 20+ Times.

Table 22- Continued

CATEGORY	DRUG	TIMEFRAME	95% Confidence Interval for	Classification of Regional Estimates:		
			Statewide Frequency of Use ⁶	Below State	“Equal” to State	Above State
Cannabis	Marijuana	Lifetime	1.44 to 1.49	2, 3, 5, 6	1, 4	7
		Past Year	1.49 to 1.54	2, 3, 5, 6	1, 4	7
		Past Month	1.34 to 1.38	<u>2, 3, 6</u>	<u>1, 4, 5</u>	<u>7</u>
		(Classification of Regional Estimates (Consistency > 2)		2, 3, 6	1, 4, 5	7)
Hallucinogens	Hallucinogens	Lifetime	1.08 to 1.09	1, 2, 5	3	4, 6, 7
		Past Year	1.06 to 1.08	1, 2, 3, 6	5	4, 7
		Past Month	1.04 to 1.05	<u>1, 2, 3, 5</u>	<u>6</u>	<u>4, 7</u>
		(Classification of Regional Estimates (Consistency > 2)		1, 2	3, 5, 6	4, 7)
Stimulants	Cocaine	Lifetime	1.02 to 1.03	2, 5	1, 3, 6	4, 7
		Past Year	1.03 to 1.04	2, 5	1, 3, 4, 6	7
		Past Month	1.02 to 1.03	2, 3	1, 7	4, 5, 6
	Uppers	Lifetime	1.12 to 1.15	2, 3, 5, 6	1	4, 7
		Past Year	1.13 to 1.16	2, 6	1, 3, 5	4, 7
		Past Month	1.07 to 1.09	2, 3, 6	1, 5	4, 7
	Ecstasy	Lifetime	1.02 to 1.02	1, 2, 3, 6	4	5, 7
		Past Year	1.05 to 1.06	2, 4	1, 3, 5, 6	7
		Past Month	1.01 to 1.02	2, 6	1, 3, 5	4, 7
	Ice	Lifetime	1.02 to 1.03	1	2, 3, 4, 5, 6, 7	
		Past Year	1.02 to 1.03	2	1, 3, 6	4, 5, 7
		Past Month	1.01 to 1.02	3, 6	1, 2, 4	5, 7
	Crack	Lifetime	1.01 to 1.02	3	1, 2, 4, 5, 7	6
Past Year		1.02 to 1.03	4	1, 2, 3, 5, 7	6	
Past Month		1.01 to 1.02	<u>3</u>	<u>1, 2, 4, 5, 7</u>	<u>6</u>	
(Classification of Regional Estimates (Consistency > 10)				1, 2, 3, 4, 5, 6, 7)		
Depressants	Downers	Lifetime	1.04 to 1.05	1, 2, 3	5	4, 6, 7
		Past Year	1.04 to 1.06	1, 2, 3	5, 6	4, 7
		Past Month	1.03 to 1.04	1, 2, 3	5	4, 6, 7
	Heroin	Lifetime	1.01 to 1.02	1, 2, 3	4, 5, 7	6
		Past Year	1.01 to 1.02	2, 3	1, 4, 5, 7	6
		Past Month	1.01 to 1.02	2, 5	1, 3, 6, 7	4

⁶The scaling used for **frequency of use** is as follows: 1 = Never Used; 2 = 1 to 2 Times, 3 = 3 to 10 Times, 4 = 11 to 19 Times, and 5 = 20+ Times.

Table 22- Continued

CATEGORY	DRUG	TIMEFRAME	95% Confidence Interval for	Classification of Regional Estimates:		
			Statewide Frequency of Use ⁶	Below State	“Equal” to State	Above State
	Roche	Lifetime	1.02 to 1.03	2, 5	1, 3, 6, 7	4
		Past Year	1.02 to 1.03	2	1, 4, 5, 6, 7	3
		Past Month	1.01 to 1.02	<u>2, 5</u>	<u>1, 6, 7</u>	<u>3, 4</u>
	(Classification of Regional Estimates (Consistency > 6)			2	1,3, 4, 5, 6, 7)
GATEWAY ⁷	(Classification of Regional Estimates (Consistency > 16)			2	1, 3, 4, 6	5, 7
HARD DRUG ⁸	(Classification of Regional Estimates (Consistency > 20)			2	1, 3, 4, 5, 6, 7	
OVERALL	(Classification of Regional Estimates (Consistency > 36)			2	1, 3, 4, 5, 6	7

⁶ The scaling used for **frequency of use** is as follows: 1 = Never Used; 2 = 1 to 2 Times, 3 = 3 to 10 Times, 4 = 11 to 19 Times, and 5 = 20+ Times.

⁷ The drugs included in this assessment are Cigarettes, Smokeless Tobacco, Inhalants, Beer, Wine Coolers, Wine, Liquor, and Steroids.

⁸ The drugs included in this assessment are Marijuana, Hallucinogens, Cocaine, Uppers, Ecstasy, Downers, Heroin, and Roche.

Extent/Severity of Substance Abuse Problems

Introduction

In addition to **prevalence of drug use** and **frequency of drug use**, the survey instrument employed during the MIAS contained a number of items that focused on the **extent or severity of students' problems with the abuse of different substances**. The two subsets of severity-related items dealt with issues surrounding (a) the abuse of alcohol-related products (e.g., “During the past year, how many times have you had a drink to cure a hangover?”) and (b) the abuse of other drugs (e.g., “During the past-year, how many times have you used drugs again to keep from coming down?”). In addition to these two subsets of items, a third subset addressed more general abuse-related issues and problems reported by the respondents (e.g., “During the past year I’ve had a change in appetite.”). For analysis purposes these items dealing with **extent/severity problems** were recoded into prevalence indicators. Thus, the resulting analysis, instead of dealing with how frequently a particular problem was noted, addressed a question like, “During the past year, what proportion of the respondents identified this particular problem as a concern?” It was assumed these prevalence estimates would provide a clearer picture of the differences in the severity of specific drug-related problems reported across grade levels and regions than would the frequency information.

Results - Prevalence of Alcohol-Related Problems

The grade-level, regional, and statewide estimates of the **prevalence of alcohol-related problems** are summarized in Table 23. A review of the results of the statistical comparisons dealing with inter-regional differences provided in that table suggests the following:

- ◆ overall, students in Regions 2 and 4 reported having fewer alcohol-related usage problems than did students in Regions 5 and 7 (see “TOTAL NUMBER OF ALCOHOL-RELATED PROBLEMS NOTED” in Table 23), while students in Regions 1, 3 and 6 fall between these two extreme regional groups.
- ◆ The average number of alcohol related abuse problems reported statewide was slightly less than

2, with the students in Regions 2 and 4 falling below this value while those in Regions 5 and 7 were higher than 2.

- ◆ The 5 most frequently cited (statewide) problem areas out of the 23 considered were (1) “During the past year how often have you gotten drunk?” (24%); (2) “During the past year, how many times have you had more to drink than you intended?” (22%); (3) “During the past year, how many times have you been drunk or hung over?” (22%); (4) “During the past year, how many times have you tried to cut down or stop drinking?” (15%); and (5) “During the past year friends told me I should drink less.” (11%).

Table 23

Overview of Prevalence Estimates Dealing with “Severity of Alcohol Problems”

ITEMS	INDEPENDENT VARIABLE	SEVERITY ESTIMATES ACROSS GRADES/REGIONS:							
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	STATE
DURING THE PAST YEAR, HOW OFTEN HAVE YOU?									
(a) Gotten drunk?	Grade Level	.11	.18	.22	.29	.30	.37	.38	.24
	Region	.26	.23	.22	.29	.28	.27	.26	
(ANALYSIS: F(6,8136) = 6.0*; 4 < 1, 5, 6, 7)									
DURING THE PAST YEAR, HOW MANY TIMES HAVE YOU?									
(a) Had more to drink than you intended?	Grade Level	.06	.12	.18	.24	.29	.34	.37	.22
	Region	.23	.18	.21	.19	.25	.21	.27	
(ANALYSIS: F(6,9659) = 8.5**; 2, 4 < 5, 7; and 3, 6 < 7)									
(b) Tried to cut down or stop drinking?	Grade Level	.04	.09	.14	.16	.19	.23	.26	.15
	Region	.17	.14	.14	.12	.19	.17	.16	
(ANALYSIS: F(6,9550) = 5.3**; 4 < 1, 5, 6; and 2 < 5)									
(c) Skipped regular activities because of drinking?	Grade Level	.01	.02	.05	.05	.08	.07	.08	.05
	Region	.05	.04	.04	.04	.06	.06	.05	
(ANALYSIS: F(6,9525) = 1.5 ^{NS} ; (No differences observed.))									
(d) Been drunk or hung over?	Grade Level	.04	.10	.16	.25	.32	.37	.40	.22
	Region	.23	.18	.21	.19	.25	.21	.29	
(ANALYSIS: F(6,9481) = 12.5**; 2 < 1, 5, 7; 4 < 5, 6; and 1, 3, 6 < 7)									

Table 23 - Continued

ITEMS	INDEPENDENT VARIABLE	SEVERITY ESTIMATES ACROSS GRADES/REGIONS:							STATE
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	
(e) Tried to cut back on your drinking without success?	Grade Level	.02	.05	.07	.09	.10	.09	.11	.07
	Region	.08	.07	.06	.06	.10	.09	.06	
(ANALYSIS: F(6,9489) = 4.8**; 4 < 5, 6; and 7 < 6)									
(f) Felt shaky or sick when you knew it was causing you problems?	Grade Level	.02	.05	.05	.06	.06	.06	.05	.05
	Region	.05	.05	.05	.04	.05	.05	.05	
(ANALYSIS: F(6,9506) = 0.6 ^{NS} ; (No differences observed.))									
(g) Drunk even when you knew it was causing you	Grade Level	.01	.04	.05	.07	.07	.08	.06	.05
	Region	.06	.04	.06	.04	.07	.06	.06	
(ANALYSIS: F(6,9511) = 2.2*; (No differences observed.))									
(h) Needed larger amounts of alcohol to get the same	Grade Level	.01	.03	.05	.07	.08	.10	.10	.06
	Region	.06	.05	.06	.05	.07	.07	.07	
(ANALYSIS: F(6,9495) = 1.9 ^{NS} ; (No differences observed.))									
(i) Had a drink to cure a hangover?	Grade Level	.01	.02	.05	.06	.07	.06	.06	.05
	Region	.05	.05	.04	.04	.06	.05	.05	
(ANALYSIS: F(6,9395) = 1.5 ^{NS} ; (No differences observed.))									
(j) Been drunk or hung over?	Grade Level	.01	.02	.05	.06	.09	.12	.17	.07
	Region	.07	.05	.06	.06	.08	.07	.10	
(ANALYSIS: F(6,9283) = 5.2**; 2, 3, 4 < 7)									
DURING THE PAST YEAR - - -									
(a) I've got into a heated argument while drinking.	Grade Level	.04	.05	.07	.09	.12	.13	.14	.09
	Region	.08	.09	.09	.07	.09	.09	.10	
(ANALYSIS: F(6,9748) = 1.5 ^{NS} ; (No differences observed.))									
(c) I stayed away from school because of a hangover.	Grade Level	.03	.03	.04	.05	.04	.04	.04	.04
	Region	.05	.05	.04	.03	.04	.04	.04	
(ANALYSIS: F(6,9655) = 2.1 ^{NS} ; (No differences observed.))									
(e) I was drunk at school.	Grade Level	.03	.04	.05	.05	.07	.07	.08	.05
	Region	.05	.06	.05	.04	.06	.08	.05	
(ANALYSIS: F(6,9642) = 3.6*; 1, 3, 4, 7 < 6)									
(f) Friends told me I should drink less.	Grade Level	.04	.05	.06	.07	.07	.09	.08	.07
	Region	.07	.07	.07	.05	.08	.09	.05	
(ANALYSIS: F(6,9623) = 4.0*; 4, 7 < 6)									

Table 23 - Continued

ITEMS	INDEPENDENT VARIABLE	SEVERITY ESTIMATES ACROSS GRADES/REGIONS:							
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	STATE
(h) I drank several drinks pretty fast to get a quicker effect.	Grade Level	.04	.05	.08	.11	.15	.18	.20	.11
	Region	.09	.09	.11	.10	.13	.11	.14	
(ANALYSIS: F(6,9594) = 2.2**; 1, 2, 3, 4 < 7)									
(j) I was afraid I might be or become an alcoholic.	Grade Level	.06	.05	.06	.08	.07	.07	.06	.07
	Region	.07	.08	.07	.05	.08	.06	.05	
(ANALYSIS: F(6,9593) = 2.3**; (No differences observed.))									
(k) I stayed drunk for more than one day at a time.	Grade Level	.04	.04	.06	.08	.08	.08	.08	.06
	Region	.07	.06	.06	.05	.07	.07	.07	
(ANALYSIS: F(6,9569) = 1.0 ^{NS} ; (No differences observed.))									
(l) Once I started drinking it was difficult to stop.	Grade Level	.04	.05	.06	.07	.07	.08	.07	.06
	Region	.06	.06	.06	.06	.08	.08	.06	
(ANALYSIS: F(6,9529) = 1.6 ^{NS} ; (No differences observed.))									
(m) I couldn't remember what I did while drinking the day before.	Grade Level	.04	.05	.10	.11	.13	.16	.14	.10
	Region	.10	.08	.09	.09	.11	.10	.13	
(ANALYSIS: F(6,9572) = 3.5**; 2 < 7)									
(o) I had a quick drink or so after drinking the day before.	Grade Level	.04	.04	.07	.09	.10	.10	.11	.08
	Region	.08	.07	.07	.06	.08	.07	.10	
(ANALYSIS: F(6,9530) = 3.3**; 3, 4 < 7)									
(q) Sometimes I got high when drinking by myself.	Grade Level	.04	.05	.06	.07	.06	.07	.08	.06
	Region	.06	.07	.05	.05	.07	.07	.05	
(ANALYSIS: F(6,9655) = 2.1 ^{NS} ; (No differences observed.))									
(r) Sometimes I kept on drinking after promising myself not to.	Grade Level	.04	.05	.06	.08	.08	.09	.07	.07
	Region	.07	.07	.07	.05	.08	.07	.07	
(ANALYSIS: F(6,9531) = 1.0 ^{NS} ; (No differences observed.))									
TOTAL NUMBER OF ALCOHOL-RELATED PROBLEMS NOTED.	Region	1.95	1.69	1.78	1.58	2.25	2.02	2.14	1.88
(RANGE = 0 TO 23)									
(ANALYSIS: F(6,10362) = 6.6**; 2, 4 < 5, 7)									

Results - Prevalence of Drug-Related Problems

The grade-level, regional, and statewide estimates of the **prevalence of drug-related problems** are summarized in Table 24. A review of the results of the statistical comparisons dealing with inter-regional differences provided in that table suggests the following:

- ◆ overall, more drug-related problems were noted by students in Region 7 than in Regions 1, 2, 3, 4, 5, and 6, with Region 5 following between those two groupings.
- ◆ basically, students in Regions 1 through 6 identified one drug-related problem, while the students in Region 7 identified an average of about 1.3 such problems.
- ◆ across the problem-by-problem analyses where significant differences were noted, the students in Region 3 fairly consistently reported fewer problems related to drug use than did the students in Region 7.

Table 24

Overview of **Prevalence Estimates Dealing with “Severity of Drug-Related Problems”**

ITEMS	INDEPENDENT VARIABLE	SEVERITY ESTIMATES ACROSS GRADES/REGIONS:							
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	STATE
DURING THE PAST YEAR, HOW OFTEN HAVE YOU ---									
Gotten high on drugs?	Grade Level	.05	.10	.11	.12	.15	.13	.15	.11
	Region	.11	.09	.10	.10	.11	.11	.16	
(ANALYSIS: F(6,8531) = 7.7**; 1, 2, 3, 4, 5, 6 < 7)									
DURING THE PAST YEAR, HOW MANY TIMES HAVE YOU									
(a) Used more drugs than you intended?	Grade Level	.02	.04	.06	.08	.08	.08	.08	.06
	Region	.06	.06	.04	.06	.06	.07	.09	
(ANALYSIS: F(6,9602) = 6.1**; 1, 2, 3, 4 < 7)									
(b) Tried to cut down or stop using drugs?	Grade Level	.03	.04	.07	.08	.09	.09	.10	.07
	Region	.07	.07	.04	.06	.07	.08	.10	
(ANALYSIS: F(6,9563) = 6.9**; 1, 2, 3, 4 < 7)									
(c) Skipped regular activities because of drugs?	Grade Level	.01	.02	.04	.05	.04	.04	.04	.03
	Region	.04	.03	.02	.03	.03	.04	.04	
(ANALYSIS: F(6,9502) = 1.3 ^{NS} ; (No differences observed.))									

Table 24 - Continued

ITEMS	INDEPENDENT VARIABLE	SEVERITY ESTIMATES ACROSS GRADES/REGIONS:							
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	STATE
(d) Been stoned or high?	Grade Level	.03	.07	.05	.08	.08	.06	.08	.06
	Region	.05	.05	.04	.07	.06	.06	.11	
(ANALYSIS: F (6,9507) = 11.8**; 3 < 4, 7; and 1, 2, 4, 5, 6 < 7)									
(e) Tried to cut back on your drug use without success?	Grade Level	.02	.03	.03	.05	.05	.05	.04	.04
	Region	.04	.03	.02	.03	.04	.04	.05	
(ANALYSIS: F (6,9488) = 2.9*; 3 < 7)									
(f) Felt shaky or sick when you knew it was causing you problems?	Grade Level	.02	.04	.04	.05	.04	.04	.03	.04
	Region	.04	.03	.04	.03	.04	.04	.05	
(ANALYSIS: F(6,9491) = 2.0 ^{NS} ; (No differences observed.))									
(g) Gotten stoned even when you knew it was causing you problems?	Grade Level	.01	.03	.04	.05	.04	.04	.03	.03
	Region	.03	.03	.02	.03	.03	.04	.05	
(ANALYSIS: F (6,9489) = 3.1*; 3 < 7)									
(h) Needed larger amounts of drugs to get the same effect?	Grade Level	.00	.02	.03	.06	.04	.04	.04	.03
	Region	.03	.03	.02	.04	.03	.03	.04	
(ANALYSIS: F (6,9492) = 1.8 ^{NS} ; (No differences observed.))									
(I) Used drugs again to keep from coming down?	Grade Level	.01	.02	.04	.05	.05	.05	.05	.04
	Region	.03	.03	.02	.04	.04	.04	.05	
(ANALYSIS: F (6,9425) = 3.0*; 3 < 7)									
(j) Done something dangerous like driving a car or caring for children while stoned/high	Grade Level	.01	.02	.04	.06	.06	.08	.11	.05
	Region	.05	.04	.04	.05	.05	.05	.07	
(ANALYSIS: F (6,8928) = 3.3*; 2, 3 < 7)									
DURING THE PAST YEAR - -									
(b) I took a quick hit after being high the day before.	Grade Level	.04	.05	.07	.08	.08	.09	.08	.07
	Region	.06	.07	.05	.07	.06	.06	.10	
(ANALYSIS: F (6,9707) = 6.1**; 1, 2, 3, 5, 6 < 7)									
(d) I took several hits pretty fast to get a quicker effect.	Grade Level	.04	.05	.07	.08	.08	.09	.10	.07
	Region	.07	.07	.06	.07	.06	.07	.09	
(ANALYSIS: F (6,9642) = 1.8 ^{NS} ; (No differences observed.))									

Table 24 - Continued

ITEMS	INDEPENDENT VARIABLE	SEVERITY ESTIMATES ACROSS GRADES/REGIONS:							
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	STATE
(g) I stayed high for more than one day at a time.	Grade Level	.04	.05	.07	.08	.08	.09	.10	.07
	Region	.07	.07	.06	.07	.06	.07	.09	
(ANALYSIS: F (6,9642) = 1.8 ^{NS} ; (No differences observed.))									
(I) I stayed away from school because I was coming down from drugs.	Grade Level	.03	.04	.04	.04	.03	.03	.03	.03
	Region	.03	.04	.03	.03	.03	.03	.03	
(ANALYSIS: F (6,9561) = 1.3 ^{NS} ; (No differences observed.))									
(m) Sometimes I kept using drugs after I promised myself not to.	Grade Level	.03	.05	.07	.08	.07	.08	.09	.06
	Region	.06	.07	.06	.05	.07	.07	.07	
(ANALYSIS: F (6,9601) = 1.0 ^{NS} ; (No differences observed.))									
(p) Once I started using drugs it was difficult to stop.	Grade Level	.04	.03	.05	.06	.04	.05	.04	.04
	Region	.05	.05	.04	.05	.05	.04	.04	
(ANALYSIS: F (6,9531) = 0.5 ^{NS} ; (No differences observed.))									
(s) I couldn't remember what I did while using drugs the day before.	Grade Level	.04	.05	.06	.07	.05	.07	.06	.06
	Region	.06	.06	.04	.05	.06	.06	.08	
(ANALYSIS: F (6,9522) = 3.0*; 3 < 7)									
(t) I have been arrested while high or drinking.	Grade Level	.03	.03	.04	.04	.04	.03	.04	.04
	Region	.03	.05	.03	.03	.04	.04	.05	
(ANALYSIS: F (6,9430) = 2.5*; (No differences observed.))									
DURING THE PAST YEAR---									
(p) I've been picked up for drug possession.	Grade Level	.02	.03	.04	.05	.03	.02	.02	.03
	Region	.03	.04	.02	.03	.03	.03	.03	
(ANALYSIS: F (6,9378) = 2.0 ^{NS} ; (No differences observed.))									
TOTAL NUMBER OF DRUG-RELATED PROBLEMS NOTED (Range 0 to 20)									
	Region	0.89	0.90	0.70	0.88	0.96	0.96	1.29	0.93
(ANALYSIS: F (6,10354) = 7.4**; 1, 2, 3, 4, 6 < 7)									

Results - Prevalence of General Substance-Usage Problems

The grade-level, regional, and statewide estimates of the **prevalence of general substance-usage problems** are summarized in Table 25. A review of the results of the statistical comparisons dealing with inter-regional differences contained in that table suggests the following:

- ◆ overall, the students in Regions 1, 2, 3, and 6 noted significantly fewer general substance-related problems (or concerns/behaviors that frequently accompany substance abuse) than did the students in Region 7.
- ◆ Generally, the students said they experienced a little less than 3 such general problems/concerns, with the students in Regions 4, 5, and 7 noting more than that statewide average, while the students in the other 4 regions noted experiencing fewer such problems.
- ◆ The four most prevalent problems/concerns cited were: (1) “During the past year I had arguments or fights with family or friends.” (45% - with Region 7 being the area with the highest prevalence of this problem), (2) “During the past year I felt nervous or anxious.” (34% - again with Region 7 being the area with the highest reported prevalence), (3) “During the past year I became depressed or lost interest in things.” (28%), and (4) “During the past year I’ve felt suspicious and distrustful of people.” (22%).

Table 25

Overview of Prevalence Estimates Dealing with “General Substance-Usage Problems”

ITEMS	INDEPENDENT VARIABLE	SEVERITY ESTIMATES ACROSS GRADES/REGIONS:							
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	STATE
DURING THE PAST YEAR,									
(a) I became depressed or lost interest in things.	Grade Level	.18	.21	.25	.31	.35	.36	.36	.28
	Region	.28	.26	.28	.30	.31	.28	.30	
(ANALYSIS: F(6,9534) = 2.1**; (No differences observed.))									
(b) I had arguments or fights with family or friends.	Grade Level	.31	.36	.39	.50	.53	.53	.56	.45
	Region	.44	.37	.43	.49	.46	.39	.53	
(ANALYSIS: F(6,9496) = 17.7**; 2 < 1, 3, 4, 5, 7; 6 < 4, 7; 1, 3, 5 < 7)									
(c) I felt nervous or anxious.	Grade Level	.27	.28	.32	.38	.38	.41	.42	.34
	Region	.33	.29	.34	.38	.35	.31	.41	
(ANALYSIS: F(6,9465) = 10.6**; 2 < 4, 5, 7; 6 < 4, 7; and 1, 3 < 7)									

Table 25 - Continued

ITEMS	INDEPENDENT VARIABLE	SEVERITY ESTIMATES ACROSS GRADES/REGIONS:							
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	STATE
(d) I had health problems.	Grade Level	.09	.11	.14	.16	.20	.21	.15	.15
	Region	.14	.14	.13	.15	.15	.14	.18	
(ANALYSIS: F(6,9461) = 2.7*; 3 < 7)									
(e) I found it difficult to think clearly.	Grade Level	.09	.13	.16	.21	.20	.23	.20	.17
	Region	.16	.16	.17	.18	.17	.15	.19	
(ANALYSIS: F(6,9470) = 1.9 ^{NS} ; (No differences observed.))									
(f) I've gotten less work done than usual at school.	Grade Level	.12	.15	.17	.22	.24	.24	.23	.19
	Region	.18	.17	.17	.21	.20	.20	.21	
(ANALYSIS: F(6,9439) = 3.2**; (No differences observed.))									
(g) I've felt suspicious and distrustful of people.	Grade Level	.14	.15	.19	.25	.28	.27	.29	.22
	Region	.21	.19	.21	.22	.23	.23	.24	
(ANALYSIS: F(6,9463) = 2.4*; (No differences observed.))									
(h) I've found it hard to handle my problems.	Grade Level	.10	.12	.15	.18	.19	.16	.17	.15
	Region	.14	.14	.16	.15	.16	.16	.17	
(ANALYSIS: F(6,9451) = 1.7 ^{NS} ; (No differences observed.))									
(i) I've had to get emergency medical help.	Grade Level	.06	.06	.08	.07	.07	.07	.05	.07
	Region	.06	.08	.05	.07	.07	.06	.07	
(ANALYSIS: F(6,9422) = 2.2*; (No differences observed.))									
(j) I've had a change in appetite.	Grade Level	.12	.16	.18	.25	.25	.28	.26	.21
	Region	.18	.21	.21	.22	.21	.18	.25	
(ANALYSIS: F(6,9404) = 5.0*; 1, 6 < 7)									
(k) I've let my grades drop.	Grade Level	.14	.16	.20	.26	.23	.25	.24	.21
	Region	.22	.19	.18	.21	.23	.23	.22	
(ANALYSIS: F(6,9405) = 3.1*; (No differences observed.))									
(l) I've had trouble concerning.	Grade Level	.13	.15	.18	.24	.26	.28	.24	.21
	Region	.20	.19	.19	.22	.23	.19	.24	
(ANALYSIS: F(6,9384) = 3.4*; 2 < 7)									

Table 25 - Continued

ITEMS	INDEPENDENT VARIABLE	SEVERITY ESTIMATES ACROSS GRADES/REGIONS:							
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	STATE
(m) I've had trouble sleeping.	Grade Level	.12	.14	.19	.22	.24	.24	.23	.19
	Region	.19	.18	.20	.21	.20	.15	.22	
(ANALYSIS: F(6,9434) = 4.4**; 6 < 4, 7; and 2 < 7)									
(n) I've dropped out of school activities and clubs.	Grade Level	.04	.04	.06	.09	.07	.08	.06	.06
	Region	.05	.08	.06	.06	.06	.07	.06	
(ANALYSIS: F(6,9428) = 2.7*; 1 < 2)									
(o) I've been stopped for driving under the influence (DUI).	Grade Level	.03	.03	.03	.04	.03	.03	.03	.03
	Region	.03	.05	.03	.03	.03	.04	.03	
(ANALYSIS: F(6,9383) = 3.9*; 1, 3, 4, 7 < 2)									
(p) I've been in a drug or alcohol treatment program.	Grade Level	.03	.03	.04	.05	.02	.02	.02	.03
	Region	.02	.04	.04	.03	.03	.03	.03	
(ANALYSIS: F(6,9300) = 1.1 ^{NS} ; (No differences observed.))									
TOTAL NUMBER OF GENERAL SUBSTANCE-RELATED PROBLEMS	Region	2.7	2.7	2.8	3.1	3.0	2.7	3.3	2.9
NOTED. (Range = 0 to 16) (ANALYSIS: F (6,9666) = 5.5**; 1, 2, 3, 6 < 7)									

Attitudes Toward the Danger of Using Drugs

Overview

Drug items on the MIAS questionnaire forward on students' **attitudes regarding the danger of using drugs** . Those items were: (1) "How dangerous is it for someone your age to use --- (7 different types of drugs)?" and (2) "How dangerous do your parents think it is for someone your age to use - - - (7 different types of drugs)?" The analyses of responses to these items are summarized in Table 26. As with the earlier analyses, Table 26 contains grade level, regional, and statewide estimates for each subpart of each items.

Results - Attitudes Toward the Danger of Using Drugs

The results summarized in Table 26 suggest the following:

- ◆ generally, the perception of dangerousness of the cited drugs increases as one moves from cigarettes to heroin and the other "hard core" substances.

Table 26

Overview of Analyses Dealing with **Attitude Toward Drug Use**

ITEMS ⁹	INDEPENDENT VARIABLE	ATTITUDE ESTIMATES ACROSS GRADES/REGIONS:							
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	STATE
HOW DANGEROUS IS IT FOR SOMEONE YOUR AGE TO USE									
(a) Cigarettes?	Grade Level	3.25	3.22	3.12	3.08	3.10	3.15	3.10	3.15
	Region	3.12	3.19	3.12	3.17	3.10	3.13	3.15	
(ANALYSIS: F(6,10315) = 1.8 ^{NS} ; (No differences observed.))									
(b) Alcohol?	Grade Level	3.36	3.33	3.25	3.24	3.28	3.32	3.37	3.30
	Region	3.33	3.27	3.26	3.38	3.27	3.25	3.32	
(ANALYSIS: F(6,10281) = 3.8*; 6, 3 < 4)									
(c) Marijuana?	Grade Level	3.50	3.50	3.47	3.44	3.48	3.49	3.45	3.48
	Region	3.53	3.42	3.48	3.49	3.52	3.47	3.45	
(ANALYSIS: F(6,10229) = 2.2*; (No differences observed.))									

⁹ Scores on these various items range from 1 = Not at all, 2 = Not very, 3 = Somewhat, to 4 = Very.

Table 26 - Continued

ITEMS*	INDEPENDENT VARIABLE	ATTITUDE ESTIMATES ACROSS GRADES/REGIONS:							
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	STATE
(d) Hallucinogens: like acid, LSD, shrooms?	Grade Level	3.49	3.55	3.62	3.67	3.78	3.82	3.85	3.67
	Region	3.68	3.55	3.62	3.74	3.68	3.69	3.73	
(ANALYSIS: F(6,10174) = 9.8*; 2 < 1, 4, 5, 6, 7; and 3 < 4, 7)									
(e) Cocaine?	Grade Level	3.50	3.59	3.65	3.72	3.82	3.87	3.87	3.70
	Region	3.70	3.59	3.65	3.79	3.71	3.69	3.73	
(ANALYSIS: F(6,10240) = 13.2**; 2 < 1, 4, 5, 6, 7; and 3 < 4, 7)									
(f) Heroin?	Grade Level	3.50	3.58	3.63	3.73	3.82	3.88	3.89	3.70
	Region	3.70	3.58	3.65	3.80	3.72	3.70	3.79	
(ANALYSIS: F(6,10220) = 14.1**; 2 < 1, 4, 5, 6, 7; and 3 < 4, 7)									
(g) Other Drugs?	Grade Level	3.39	3.48	3.52	3.59	3.72	3.78	3.81	3.59
	Region	3.61	3.50	3.54	3.66	3.61	3.56	3.67	
(ANALYSIS: F(6,10182) = 8.4**; 2, 3 < 4, 7)									
HOW DANGEROUS DO YOUR PARENTS THINK IT IS FOR SOMEONE YOUR AGE TO USE - - -									
(a) Cigarettes?	Grade Level	3.43	3.51	3.53	3.52	3.55	3.58	3.53	3.52
	Region	3.50	3.47	3.47	3.57	3.50	3.55	3.57	
(ANALYSIS: F(6,9060) = 3.4**; (No differences observed.))									
(b) Alcohol?	Grade Level	3.51	3.55	3.60	3.64	3.66	3.66	3.67	3.60
	Region	3.62	3.53	3.55	3.68	3.59	3.59	3.65	
(ANALYSIS: F(6,9045) = 5.9**; 2 < 4, 7; and 3 < 4)									
(c) Marijuana?	Grade Level	3.57	3.64	3.69	3.75	3.79	3.84	3.83	3.72
	Region	3.73	3.63	3.67	3.77	3.75	3.73	3.77	
(ANALYSIS: F(6,9050) = 6.1**; 2 < 1, 4, 7; and 3 < 4, 7)									
(d) Hallucinogens: like acid, LSD, schrooms?	Grade Level	3.56	3.65	3.74	3.80	3.86	3.91	3.93	3.76
	Region	3.78	3.64	3.70	3.83	3.79	3.76	3.86	
(ANALYSIS: F(6,9063) = 14.1**; 2 < 1, 4, 5, 6, 7; and 3 < 4, 7)									
(e) Cocaine?	Grade Level	3.56	3.66	3.74	3.80	3.87	3.93	3.93	3.77
	Region	3.78	3.65	3.70	3.83	3.79	3.76	3.87	
(ANALYSIS: F(6,9063) = 13.6**; 2 < 1, 4, 5, 6, 7; 3 < 4, 7; and 6 < 7)									

Table 26 - Continued

ITEMS ⁶	INDEPENDENT VARIABLE	ATTITUDE ESTIMATES ACROSS GRADES/REGIONS:							
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	STATE
(f) Heroin?	Grade Level	3.57	3.65	3.76	3.80	3.86	3.92	3.92	3.77
	Region	3.77	3.65	3.71	3.84	3.79	3.77	3.87	
(ANALYSIS: F(6,9031) = 13.7**; 2 < 1, 4, 5, 6, 7; 3 < 4, 7; and 1 < 7)									
(g) Other drugs?	Grade Level	3.52	3.59	3.71	3.76	3.84	3.89	3.90	3.73
	Region	3.74	3.61	3.66	3.78	3.77	3.73	3.83	
(ANALYSIS: F(6,9008) = 13.0**; 2 < 1, 4, 5, 6, 7; and 3 < 4, 7)									
COMPOSITE ATTITUDE SCORE REGARDING THE DANGER OF DRUG USE									
	Region	24.1	23.6	23.9	24.6	24.2	23.9	24.6	24.1
(Range = 7 to 28). (ANALYSIS: F(6,10426) = 7.2**; 2 < 4, 7; and 3, 6 < 4)									
COMPOSITE PERCEPTION OF PARENTAL ATTITUDE REGARDING THE OF DRUG USE									
	Region	25.3	24.7	25.1	25.9	25.6	25.3	26.0	25.4
(Range = 7 to 28) (ANALYSIS: F(6,9218) = 9.0**; 2 < 4, 5, 7; and 3 < 4, 7)									

Demographics and Other Factors Related to Substance Use

Description of Personal Factors Considered

A variety of factors, including demographics, peer and family influences, and psychological concerns have been shown by previous research to be related to the patterns of substance use/abuse among school age youth. For example, available research suggests that higher levels of substance use are found among students if most of their friends also use substances, if they report parental use of substances, if they do not routinely participate in school-related activities, and if their parents are not involved in their schools and schooling. In the materials that follow, relationships of several of these demographic/background factors to the **prevalence (Past Year) of drug use** by students are explored. The specific factors considered are :

- ◆ Gender (Female vs. Male)
- ◆ Ethnicity (Minority/Other vs. Caucasian)
- ◆ Qualify for Free Lunch (Yes vs. No)
- ◆ Talked to Parent About School Things During Past Year (1 Time or Never, 2 to 10+ Times, vs. Almost Every Day)
- ◆ Parents Use - - - (a) Cigarettes During Past 30 Days (Yes vs. No)
(b) Alcohol During Past 30 Days (Yes vs. No)
(c) Drugs During Past 30 Days (Yes vs. No)
- ◆ Grades in School (Mostly A's, Mostly B's, Mostly C's, vs. Mostly D's and F's)
- ◆ Are You Involved in School Activities, e.g., Band or Drama (Yes vs. No)
- ◆ Are You Involved in School Athletics (Yes vs. No)
- ◆ Friends Used - - - (a) Cigarettes During Past 30 Days (Yes vs. No)
(b) Alcohol During Past 30 Days (Yes vs. No)
(c) Drugs During Past 30 Days (Yes vs. No)

Given the factors listed above, a series of analyses was undertaken wherein the relationships between two independent variables (i.e., one of the listed factors and substate region) and **Past Year Prevalence Estimates** for five drugs (i.e., alcohol, marijuana, cocaine, hallucinogens, and heroin) were evaluated. In each of these analyses the main effect test for the factor under consideration is

provided, along with the test for the interaction of that factor and region. For example, if Gender is the factor under consideration, then the main effect test for Gender and the Gender by Region test are provided. (The tests for the main effect of Region are not provided since they would basically repeat the information summarized in greater detail in Tables 4 through 11). The specific results obtained via the different descriptive and inferential analyses that were undertaken are summarized in Table 27.

Results - Prevalence of Use Across Personal Factors

The results presented in Table 27 suggest the following:

- ◆ Although not consistent across all 5 types of drugs considered, the **Past Year Prevalence of Drug Use** seems to be slightly higher for males than for females and for Caucasians than for students from other ethnic backgrounds.
- ◆ No consistent relationship was observed between eligibility for free lunches and **Prevalence of drug use**.
- ◆ One of the most consistent relationships noted was that between “Times talked to parents about school” and prevalence - when parents communicate with their children about school they are less likely to engage in drug use.
- ◆ There is a consistent relationship also observed between **prevalence** and parental use of substances.
- ◆ Students’ grades and involvement in school activities are also fairly consistently related to **prevalence** - students who earn mostly D’s and F’s are more likely to engage in drug use than other students, while those who engage in school activities (like band, drama) are less likely to use drugs. (An interesting, somewhat contradictory result was the positive relationship noted between alcohol use and participation in athletics, while a reverse relationship was observed for the other 4 drugs considered.)
- ◆ There is a strong, consistent relationship of **prevalence of drug use** (during the past year) to the use of drugs by students’ friends.

TABLE 27

Prevalence Estimates Across Regions for Several Demographics/Background Variables

PAST-YEAR PREVALENCE ESTIMATES ACROSS:											
SUBSTANCE(S)	OTHER FACTORS		1	2	3	4	5	6	7	TOTAL	
	Variable	LEVELS									
Alcohol	Gender	Female	.59	.51	.56	.58	.60	.58	.61	.57	
		Male	.56	.50	.53	.53	.60	.59	.58	.55	
	ANALYSIS: F - Gender (1,9795) = 3.4 ^{NS}										
	F - Interaction (6,9795) = 0.48 ^{NS}										
	Ethnicity	Caucasian	.55	.61	.56	.56	.62	.57	.61	.58	
		Other Backgr	.61	.49	.54	.55	.58	.60	.54	.55	
	ANALYSIS: F - Ethnicity (1,9734) = 6.3*; Caucasian > Other										
	F - Interaction (6,9734) = 4.6**; C vs. 0 for 2 > C vs. 0 for 4, 5, 6										
	Qualify for FreeLunch?	Yes	.59	.47	.55	.53	.59	.57	.52	.54	
		No	.56	.58	.56	.58	.62	.61	.64	.59	
	ANALYSIS: F - Free Lunch (1,9714) = 17.5**; No > Yes										
	F - Interaction (6,9714) = 4.3**; Yes % 2 < Yes % 1										
Times Talked to Parents re. School	1 Time or Less	.64	.49	.60	.63	.69	.63	.60	.60		
	2 to 10+ Times	.57	.52	.62	.55	.62	.59	.65	.58		
School	Almost Day	.35	.38	.35	.34	.42	.40	.35	.37		
ANALYSIS: F - Talked to Parents (2, 6189) = 144.6**; Ev. Day < 1 Time or Less & 2 to 10+ Times											
F - Interaction (12,6189) = 2.2*; (No differences observed.)											
Parents Used Cigarettes in 30 days	Yes	.63	.61	.66	.64	.71	.65	.66	.65		
	No	.53	.46	.49	.51	.52	.53	.55	.51		
ANALYSIS: F - Parent Used Cigarettes (1,9427) = 179.1**; Yes > No											
F - Interaction (6,9427) = 1.3 ^{NS}											
Parents Used Alcohol in 30 days	Yes	.76	.73	.77	.74	.78	.71	.79	.76		
	No	.51	.43	.47	.48	.52	.53	.48	.48		
ANALYSIS: F - Parent Used Alcohol (1,9398) = 563.6**; Yes > No											
F - Interaction (6,9398) = 2.2*; (No differences observed.)											
Parents Used Drugs in 30 days	Yes	.48	.40	.74	.57	.69	.55	.63	.58		
	No	.58	.51	.55	.56	.60	.59	.60	.57		
ANALYSIS: F - Parent Used Drugs (1,9386) = 0.1 ^{NS}											
F - Interaction (6,9386) = 3.2 ^{NS}											

TABLE 27 - Continued

PAST YEAR PREVALENCE ESTIMATES ACROSS:										
SUBSTANCE(S)	OTHER FACTORS		1	2	3	4	5	6	7	TOTAL
	Variable	Levels								
	Grades in	Mostly A's	.51	.51	.50	.44	.49	.49	.52	.50
	School	Mostly B's	.58	.49	.56	.57	.60	.58	.60	.56
		Mostly C's	.61	.52	.57	.62	.67	.64	.66	.60
		Mostly D's & F's	.65	.51	.58	.63	.69	.78	.68	.63
	ANALYSIS: F - Grades (3,9538) = 27.2**; Mostly A & Mostly B < Mostly D's and F's									
	F - Interaction (18,9538) = 1.4 ^{NS} ;									
	Involved in	Yes	.55	.50	.53	.53	.57	.56	.58	.54
	School	No	.60	.51	.57	.58	.63	.60	.61	.58
	Activities	ANALYSIS: F - School Act. (1, 9674) = 15.7**; Yes < No								
	F - Interaction (6,9674) = 0.4 ^{NS}									
	Involved in	Yes	.56	.54	.61	.59	.66	.64	.63	.60
	School	No	.59	.50	.51	.54	.57	.54	.58	.54
	Athletics?	ANALYSIS: F - Sch. Athletics (1, 9706) = 30.9**; Yes > No								
	F - Interaction (6,9706) = 2.9* for Y vs. N for 1 < Y vs. N for 6									
	Friends Used	Yes	.73	.68	.72	.75	.77	.72	.78	.74
	Cigarettes in	No	.34	.35	.39	.33	.37	.43	.30	.36
	30 days?	ANALYSIS: F - Friends Used Tobacco (1, 9113) = 1437.5**; Yes > No								
	F - Interaction (6,9113) = 6.1**; Y vs. N 1, 2, 3, 6 < Y vs. N 7									
	Friends Used	Yes	.80	.74	.80	.81	.84	.77	.82	.80
	Alcohol in	No	.35	.32	.37	.33	.35	.41	.32	.35
	30 days?	ANALYSIS: F - Friends Used Alcohol (1, 9113) = 2147.9; Yes > No								
	F - Interaction (6,9113) = 3.2*; Y vs. N 2, 3 & 6 < Y vs. N 7									
	Friends Used	Yes	.86	.78	.81	.84	.87	.79	.85	.83
	Drugs in	No	.45	.40	.48	.45	.49	.51	.44	.46
	30 days?	ANALYSIS: F - Friends Used Drugs (1, 9182) = 1041.5**; Yes > No								
	F - Interaction (6,9182) = 2.0 ^{NS}									

TABLE 27- Continued

PAST-YEAR PREVALENCE ESTIMATES ACROSS:											
SUBSTANCE(S)	OTHER FACTORS		1	2	3	4	5	6	7	TOTAL	
	Variable	LEVELS									
Marijuana	Gender	Female	.04	.02	.02	.03	.03	.03	.07	.03	
		Male	.05	.08	.05	.07	.07	.05	.10	.07	
	ANALYSIS: F - Gender (1,9994) = 56.4**; Males > Females										
	F - Interaction (6,9994) = 1.3 ^{NS}										
	Ethnicity	Caucasian	.04	.05	.03	.06	.05	.04	.08	.05	
		Other Backgr	.06	.04	.03	.03	.05	.04	.09	.05	
	ANALYSIS: F - Ethnicity (1,9937) = 0.1 ^{NS}										
	F - Interaction (6,9937) = 1.6 ^{NS}										
	Qualify for FreeLunch?	Yes	.05	.04	.03	.03	.04	.04	.11	.05	
		No	.04	.05	.03	.06	.05	.04	.08	.05	
	ANALYSIS: F - Free Lunch (1,9918) = 1.0 ^{NS}										
	F - Interaction (6,9918) = 3.1*; Y vs. N 2, 3, 4, 5, 6 < Y vs. N 7										
Times Talked to Parents re.	1 Time or Less	.05	.07	.05	.09	.10	.03	.12	.07		
	2 to 10+ Times	.05	.05	.03	.05	.03	.01	.11	.05		
School	Almost Day	.01	.02	.02	.01	.01	.00	.01	.01		
ANALYSIS: F - Talked to Parents (2, 6296) = 46.4**; 1 Time or Less & 2 to 10+ Times > Every Day											
F - Interaction (12,6296) = 2.9*; 1 to 10 Times 1, 2, 3, 6 > 1 to 10 Times 7; and 10 to Every Day 1, 2, 3, 4, 5, 6 < 10 to Every Day 7											
Parents Used Cigarettes in 30 days	Yes	.07	.06	.04	.07	.07	.07	.11	.07		
	No	.02	.04	.03	.03	.03	.02	.07	.04		
ANALYSIS: F - Parent Used Cigarettes (1,9663) = 60.7**; Yes > No											
F - Interaction (6,9663) = 1.7 ^{NS}											
Parents Used Alcohol in 30 days	Yes	.07	.07	.06	.08	.07	.04	.13	.08		
	No	.04	.04	.02	.04	.03	.04	.06	.04		
ANALYSIS: F - Parent Used Alcohol (1,9628) = 53.2**; Yes > No											
F - Interaction (6,9628) = 1.9 ^{NS}											
Parents Used Drugs in 30 days	Yes	.14	.13	.00	.13	.10	.00	.25	.11		
	No	.04	.05	.03	.05	.05	.04	.09	.05		
ANALYSIS: F - Parent Used Drugs (1,9599) = 9.6**; Yes > No											
F - Interaction (9599) = 3.1*; Y vs. N 3, 6 < Y vs. N 7											

TABLE 27 - Continued

PAST YEAR PREVALENCE ESTIMATES ACROSS:										
SUBSTANCE(S)	OTHER FACTORS		1	2	3	4	5	6	7	TOTAL
	Variable	Levels								
	Grades in	Mostly A's	.01	.02	.02	.01	.03	.01	.05	.02
	School	Mostly B's	.04	.03	.03	.04	.03	.03	.06	.04
		Mostly C's	.07	.06	.04	.06	.06	.09	.12	.07
		Mostly D's & F's	.08	.11	.08	.18	.13	.00	.24	.12
			ANALYSIS: F - Grades (3,9737) = 42.9**;							
			Mostly A, Mostly B, Mostly C							
			< Mostly D & F							
			F - Interaction (18,9737) = 3.6**;							
			(No differences observed.)							
	Involved in	Yes	.02	.03	.01	.02	.02	.02	.07	.03
	School	No	.06	.06	.05	.07	.06	.06	.10	.07
	Activities		ANALYSIS: F - School Act. (1, 9888) = 72.3**;							
			Yes < No							
			F - Interaction (6,9888) = 0.4 ^{NS}							
	Involved in	Yes	.04	.05	.04	.05	.04	.04	.06	.05
	School	No	.05	.05	.03	.05	.04	.04	.10	.05
	Athletics?		ANALYSIS: F - Sch. Athletics (1, 9920) = 1.1 ^{NS}							
			F - Interaction (6,9920) = 1.8 ^{NS}							
	Friends Used	Yes	.24	.27	.19	.25	.24	.23	.37	.26
	Cigarettes in	No	.04	.06	.03	.04	.03	.07	.04	.04
	30 days?		ANALYSIS: F - Friends Used Tobacco (1, 9341) = 804.7**;							
			Yes > No							
			F - Interaction (6,9341) = 8.8**;							
			Y vs. N 1, 2, 3, 4, 5, 6 < Y vs. N							
	Friends Used	Yes	.08	.10	.06	.09	.08	.08	.15	.09
	Alcohol in	No	.01	.01	.01	.01	.01	.00	.00	.01
	30 days?		ANALYSIS: F - Friends Used Alcohol (1, 9339) = 368.1**;							
			Yes > No							
			F - Interaction (6,9338) = 7.6**;							
			Y vs. N 1, 2, 3, 4, 5, 6 < Y vs. N							
	Friends Used	Yes	.14	.17	.11	.16	.16	.15	.22	.16
	Drugs in	No	.01	.04	.04	.00	.00	.01	.00	.00
	30 days?		ANALYSIS: F - Friends Used Drugs (1, 9382) = 1030.4**;							
			Yes > No							
			F - Interaction (6,9382) = 10.0**;							
			Y vs. N 1, 2, 3, 4, 5, 6 < Y vs. N 7							

TABLE 27- Continued

PAST-YEAR PREVALENCE ESTIMATES ACROSS:											
SUBSTANCE(S)	OTHER FACTORS		1	2	3	4	5	6	7	TOTAL	
	Variable	LEVELS									
Cocaine	Gender	Female	.00	.00	.00	.00	.00	.00	.00	.00	
		Male	.00	.00	.00	.00	.01	.00	.00	.00	
	ANALYSIS: F - Gender (1,10023) = 1.1 ^{NS}										
	F - Interaction (6,10023) = 1.3 ^{NS}										
	Ethnicity	Caucasian	.00	.00	.00	.01	.00	.00	.00	.00	
		Other Backgr	.00	.00	.00	.00	.00	.00	.00	.00	
	ANALYSIS: F - Ethnicity (1,9962) = 3.4 ^{NS}										
	F - Interaction (6,9962) = 0.8 ^{NS}										
	Qualify for FreeLunch?	Yes	.00	.00	.00	.00	.00	.00	.00	.00	
		No	.00	.00	.00	.00	.00	.00	.00	.00	
	ANALYSIS: F - Free Lunch (1,9944) = 0.1 ^{NS}										
	F - Interaction (6,9944) = 1.2 ^{NS}										
	Times Talked to Parents re. School	1 Time or Less	.00	.00	.00	.00	.00	.00	.00	.02	
		2 to 10+ Times	.00	.00	.00	.00	.00	.00	.00	.00	
	School	Almost Day	.00	.00	.00	.00	.00	.00	.00	.00	
ANALYSIS: F - Talked to Parents (2, 6283) = 5.3*; 1 Times Less > Every Day											
F - Interaction (12,6283) = 2.4*; (No differences observed.)											
Parents Used Cigarettes in 30 days	Yes	.00	.00	.00	.01	.00	.00	.00	.01		
	No	.00	.00	.00	.00	.01	.00	.00	.00		
ANALYSIS: F - Parent Used Cigarettes (1,9676) = 3.1 ^{NS}											
F - Interaction (6,9676) = 1.5 ^{NS}											
Parents Used Alcohol in 30 days	Yes	.00	.00	.00	.00	.00	.00	.00	.01		
	No	.00	.00	.00	.00	.01	.00	.00	.00		
ANALYSIS: F - Parent Used Alcohol (1,9650) = 0.3 ^{NS}											
F - Interaction (6,9650) = 1.9 ^{NS}											
Parents Used Drugs in 30 days	Yes	.00	.00	.00	.00	.00	.00	.00	.00		
	No	.00	.00	.00	.00	.01	.00	.00	.00		
ANALYSIS: F - Parent Used Drugs (1,9628) = 0.1 ^{NS}											
F - Interaction (6,9628) = 0.6 ^{NS}											

TABLE 27 - Continued

PAST YEAR PREVALENCE ESTIMATES ACROSS:										
SUBSTANCE(S)	OTHER FACTORS		1	2	3	4	5	6	7	TOTAL
	Variable	Levels								
	Grades in	Mostly A's	.00	.00	.00	.00	.00	.00	.00	.00
	School	Mostly B's	.00	.00	.00	.00	.00	.00	.00	.00
		Mostly C's	.00	.00	.00	.01	.00	.01	.00	.00
		Mostly D's & F's	.00	.00	.00	.02	.01	.00	.01	.01
	ANALYSIS: F - Grades (3,9763) = 3.0*; (No differences observed.)									
	F - Interaction (6,9763) = 1.4 ^{NS}									
	Involved in	Yes	.00	.00	.00	.00	.00	.00	.00	.00
	School	No	.00	.00	.00	.00	.00	.01	.01	.00
	Activities	ANALYSIS: F - School Act. (1, 9911) = 12.0*; Yes < No								
	F - Interaction (6,9911) = 0.6 ^{NS}									
	Involved in	Yes	.00	.00	.00	.00	.00	.00	.00	.00
	School	No	.00	.00	.00	.00	.00	.00	.00	.00
	Athletics?	ANALYSIS: F - Sch. Athletics (1, 9940) = 1.7 ^{NS}								
	F - Interaction (6,9940) = 1.1 ^{NS}									
	Friends Used	Yes	.01	.01	.02	.02	.02	.02	.03	.02
	Cigarettes in	No	.01	.00	.01	.00	.01	.01	.00	.00
	30 days?	ANALYSIS: F - Friends Used Tobacco (1, 9353) = 39.5; Yes > No								
	F - Interaction (6,9353) = 2.3**; (No differences observed)									
	Friends Used	Yes	.00	.01	.00	.01	.00	.00	.01	.00
	Alcohol in	No	.00	.00	.00	.00	.00	.00	.00	.00
	30 days?	ANALYSIS: F - Friends Used Alcohol (1, 9355) = 7.4*; Yes > No								
	F - Interaction (6,9355) = 1.0 ^{NS}									
	Friends Used	Yes	.00	.01	.00	.01	.00	.00	.01	.01
	Drugs in	No	.00	.00	.00	.00	.00	.00	.00	.00
	30 days?	ANALYSIS: F - Friends Used Drugs (1, 9409) = 19.5**; Yes > No								
	F - Interaction (6,9409) = 1.3 ^{NS}									

TABLE 27- Continued

PAST-YEAR PREVALENCE ESTIMATES ACROSS:											
SUBSTANCE(S)	OTHER FACTORS		1	2	3	4	5	6	7	TOTAL	
	Variable	LEVELS									
Hallucinogens	Gender	Female	.00	.00	.00	.00	.00	.00	.00	.00	
		Male	.00	.00	.00	.00	.01	.00	.02	.01	
	ANALYSIS: F - Gender (1,10028) = 11.8*; Male > Female										
	F - Interaction (6,10028) = 4.6**; M vs. F 1, 2, 3, 4, 5, 6 < M vs. F 7										
	Ethnicity	Caucasian	.00	.00	.00	.00	.01	.00	.01	.00	
		Other Backgr	.00	.00	.00	.00	.00	.00	.00	.00	
	ANALYSIS: F - Ethnicity (1,9968) = 2.2 ^{NS}										
	F - Interaction (6,9968) = 0.9 ^{NS}										
	Qualify for FreeLunch?	Yes	.00	.00	.00	.00	.00	.00	.00	.00	.00
		No	.00	.00	.00	.00	.00	.00	.00	.01	.00
	ANALYSIS: F - Free Lunch (1,9950) = 0.8 ^{NS}										
	F - Interaction (6,9950) = 1.9 ^{NS}										
Times Talked to Parents re.	1 Time or Less	.00	.00	.00	.01	.02	.00	.03	.01		
	2 to 10+ Times	.00	.00	.00	.00	.00	.00	.00	.02		
School	Almost Day	.00	.00	.01	.00	.00	.00	.00	.00		
ANALYSIS: F - Talked to Parents (2, 6297) = 12.1*; 1 Times Less > Every Day											
F - Interaction (12,6297) = 3.4*; (No differences observed.)											
Parents Used Cigarettes in 30 days	Yes	.01	.00	.00	.01	.00	.00	.00	.01	.01	
	No	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ANALYSIS: F - Parent Used Cigarettes (1,9690) = 5.1*; Yes > No											
F - Interaction (6,9690) = 2.1*; (No differences observed.)											
Parents Used Alcohol in 30 days	Yes	.00	.00	.00	.00	.00	.00	.00	.01	.00	
	No	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ANALYSIS: F - Parent Used Alcohol (1,9658) = 0.4 ^{NS}											
F - Interaction (6,9658) = 2.9*; (No differences observed.)											
Parents Used Drugs in 30 days	Yes	.02	.00	.00	.04	.12	.00	.06	.03		
	No	.00	.00	.00	.00	.01	.00	.01	.00		
ANALYSIS: F - Parent Used Drugs (1,9638) = 40.5**; Yes > No											
F - Interaction (6,9638) = 7.5**; Y vs. N 2, 3, 6 < Y vs. N 7											

TABLE 27 - Continued

PAST YEAR PREVALENCE ESTIMATES ACROSS:										
SUBSTANCE(S)	OTHER FACTORS		1	2	3	4	5	6	7	TOTAL
	Variable	Levels								
	Grades in	Mostly A's	.00	.00	.00	.00	.00	.00	.00	.00
	School	Mostly B's	.00	.00	.00	.00	.00	.00	.00	.00
		Mostly C's	.00	.00	.00	.00	.01	.00	.01	.00
		Mostly D's & F's	.01	.00	.00	.03	.02	.00	.04	.01
	ANALYSIS: F - Grades (3,9769) = 8.8*; Mostly A, Mostly B, Mostly C < Mostly D & F									
	F - Interaction (6,9769) = 2.9 ^{NS}									
	Involved in	Yes	.00	.00	.00	.00	.00	.00	.01	.00
	School	No	.00	.00	.00	.00	.01	.00	.01	.00
	Activities	ANALYSIS: F - School Act. (1, 9921) = 9.5*; Yes < No								
		F - Interaction (6,9921) = 0.4								
	Involved in	Yes	.00	.00	.00	.00	.00	.00	.00	.00
	School	No	.00	.00	.00	.00	.01	.00	.01	.00
	Athletics?	ANALYSIS: F - Sch. Athletics (1, 9955) = 8.0*1 Yes < No								
		F - Interaction (6,9955) = 2.1*; (No differences observed.)								
	Friends Used	Yes	.02	.02	.03	.07	.04	.02	.09	.00
	Cigarettes in	No	.01	.00	.00	.00	.00	.01	.00	.00
	30 days?	ANALYSIS: F - Friends Used Tobacco (1, 9359) = 121.8**; Yes > No								
		F - Interaction (6,9359) = 12.1**; Y vs N 1, 2, 3, 4, 5, 6 < Y vs N 7								
	Friends Used	Yes	.00	.00	.00	.01	.01	.00	.01	.01
	Alcohol in	No	.00	.00	.00	.00	.00	.00	.00	.00
	30 days?	ANALYSIS: F - Friends Used Alcohol (1, 9353) = 12.8*; Yes > No								
		F - Interaction (6,9353) = 1.9 ^{NS}								
	Friends Used	Yes	.01	.00	.00	.01	.01	.01	.02	.01
	Drugs in	No	.00	.00	.00	.00	.00	.00	.00	.00
	30 days?	ANALYSIS: F - Friends Used Drugs (1, 9412) = 33.4**; Yes > No								
		F - Interaction (6,9412) = 3.5*; (No differences observed.)								

TABLE 27- Continued

PAST-YEAR PREVALENCE ESTIMATES ACROSS:											
SUBSTANCE(S)	OTHER FACTORS		1	2	3	4	5	6	7	TOTAL	
	Variable	LEVELS									
Heroin	Gender	Female	.00	.00	.00	.00	.00	.00	.00	.00	
		Male	.00	.00	.00	.00	.00	.00	.01	.00	.00
	ANALYSIS: F - Gender (1,10032) = 7.6*; Males > Females										
	F - Interaction (6,10032) = 0.8 ^{NS}										
	Ethnicity	Caucasian	.00	.00	.00	.00	.00	.00	.00	.00	.00
		Other Backgr	.00	.00	.00	.00	.00	.00	.00	.00	.00
	ANALYSIS: F - Ethnicity (1,9974) = 0.1 ^{NS}										
	F - Interaction (6,9974) = 1.2 ^{NS}										
	Qualify for FreeLunch?	Yes	.00	.00	.00	.00	.00	.00	.00	.00	.00
		No	.00	.00	.00	.00	.00	.00	.00	.00	.00
	ANALYSIS: F - Free Lunch (1,9954) = 6.4*; Caucasian > Minority										
	F - Interaction (6,9954) = 1.2 ^{NS}										
	Times Talked to Parents re.	1 Time or Less	.00	.00	.00	.00	.00	.00	.01	.01	.00
		2 to 10+ Times	.00	.00	.00	.00	.00	.00	.00	.00	.00
	School	Almost Day	.00	.00	.01	.00	.00	.00	.00	.00	.00
ANALYSIS: F - Talked to Parents (2, 6308) = 2.5 ^{NS}											
F - Interaction (12,6308) = 1.5 ^{NS}											
Parents Used Cigarettes in 30 days	Yes	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	No	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ANALYSIS: F - Parent Used Cigarettes (1,9691) = 0.3 ^{NS}											
F - Interaction (6,9691) = 0.9 ^{NS}											
Parents Used Alcohol in 30 days	Yes	.00	.00	.00	.00	.00	.00	.00	.00	.00	
	No	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ANALYSIS: F - Parent Used Alcohol (1,9668) = 0.4 ^{NS}											
F - Interaction (6,9668) = 1.2 ^{NS}											
Parents Used Drugs in 30 days	Yes	.02	.00	.00	.00	.00	.00	.00	.00	.00	
	No	.00	.00	.00	.00	.00	.00	.00	.00	.00	
ANALYSIS: F - Parent Used Drugs (1,9642) = 0.4 ^{NS}											
F - Interaction (6,9642) = 1.8 ^{NS}											

TABLE 27 - Continued

PAST YEAR PREVALENCE ESTIMATES ACROSS:										
SUBSTANCE(S)	OTHER FACTORS		1	2	3	4	5	6	7	TOTAL
	Variable	Levels								
	Grades in	Mostly A's	.00	.00	.00	.00	.00	.00	.00	.00
	School	Mostly B's	.00	.00	.00	.00	.00	.00	.00	.00
		Mostly C's	.00	.00	.00	.00	.00	.01	.00	.00
		Mostly D's & F's	.00	.00	.00	.02	.01	.00	.01	.01
	ANALYSIS: F - Grades (3,9774) = 5.1*; Mostly A, Mostly B, Mostly C < Mostly D & F									
	F - Interaction (6,9774) = 2.5 **; (No differences observed.)									
	Involved in	Yes	.00	.00	.00	.00	.00	.00	.00	.00
	School	No	.00	.00	.00	.00	.00	.00	.00	.00
	Activities	ANALYSIS: F - School Act. (1, 9927) = 6.9*; Yes < No								
		F - Interaction (6,9927) = 1.5 ^{NS}								
	Involved in	Yes	.00	.00	.01	.00	.00	.00	.00	.00
	School	No	.00	.00	.00	.00	.00	.00	.00	.00
	Athletics?	ANALYSIS: F - Sch. Athletics (1, 9958) = 0.2 ^{NS}								
		F - Interaction (6,9958) = 2.3*; (No differences observed.)								
	Friends Used	Yes	.01	.00	.01	.01	.01	.02	.01	.01
	Cigarettes in	No	.00	.00	.00	.00	.00	.01	.00	.00
	30 days?	ANALYSIS: F - Friends Used Tobacco (1, 9378) = 14.4**; Yes > No								
		F - Interaction (6,9378) = 0.5 ^{NS}								
	Friends Used	Yes	.00	.00	.00	.00	.00	.00	.00	.00
	Alcohol in	No	.00	.00	.00	.00	.00	.00	.00	.00
	30 days?	ANALYSIS: F - Friends Used Alcohol (1, 9373) = 0.8 ^{NS}								
		F - Interaction (6,9373) = 0.5 ^{NS}								
	Friends Used	Yes	.00	.00	.00	.00	.00	.00	.00	.00
	Drugs in	No	.00	.00	.00	.00	.00	.00	.00	.00
	30 days?	ANALYSIS: F - Friends Used Drugs (1, 9426) = 1.9 ^{NS}								
		F - Interaction (6,9426) = 0.7 ^{NS}								

Involvement in Drug-Related Educational, Assistance, and Treatment Programs

The final set of questions covered by the MIAS instrument dealt with sources of information and assistance students reported using when dealing with issues concerning substance use/abuse. That is, “Where do students report that they go in order to get help regarding drug-related information or needed assistance?” As with the other survey items described in previous sections, during the analyses of the data related to this question, specific statistical comparisons were completed across substate regions in an effort to discern inter-regional differences in the patterns of responses.

The analyses of the items dealing with sources of information and assistance are summarized in Table 28. The results provided in that table suggest the following:

- ◆ Across grade levels, as students get older they appear to be less involved in fewer substance-related educational endeavors and to rely less on adults for assistance, particularly school personnel. (The only apparent exception to this general trend is the finding that dissemination of drug-related information in the upper grade levels appears to be delivered more frequently via assemblies and guest speakers at those large group sessions.)
- ◆ The region-by-region analyses suggest that exposure to drug education initiatives and the apparent willingness of students to seek out assistance from different sources, including school personnel, are consistently more prevalent in Region 2 and less prevalent in Region 7. (This general trend, except for participation in DARE, seems to be negatively correlated with the trend observed earlier in regard to **prevalence of drug use** and the **frequency of drug use**, i.e., in those earlier analyses Region 2 was consistently lower than Region 7 on the **prevalence** and **frequency** variables.)

Table 28

Participation in Drug-Related Informational and Assistance Efforts

ITEMS	INDEPENDENT VARIABLE	PERCENTAGES OF “YES” RESPONSES ACROSS								
		GRADES/REGIONS:								STATE TOTAL
		6/1	7/2	8/3	9/4	10/5	11/6	12/7		
Have you ever been in DARE	Grade Level	.51	.48	.50	.48	.45	.45	.46		
other drug education	Region	.45	.37	.56	.44	.40	.40	.67	.48	
programs in school?	(ANALYSIS: F(6,10282) = 72.2**; 2 < 1, 3, 4, 7; 1, 4, 5, 6 < 3, 7; and 3									

Table 28 - Continued

ITEMS	INDEPENDENT VARIABLE	PERCENTAGES OF "YES" RESPONSES ACROSS GRADES/REGIONS:							STATE TOTAL
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	
Have you ever received information about AIDS in school?	Grade Level	.41	.53	.56	.62	.69	.70	.61	
	Region	.54	.69	.64	.49	.58	.53	.59	.58
(ANALYSIS: F(6,10266) = 32.5**; 4 < 2, 3, 5, 7; 1, 6 < 2, 3: and 5, 7 < 2)									
If you felt you had a drug or alcohol problem and needed help, would you go to - - -									
(a) A counselor or program in school?	Grade Level	.61	.57	.51	.42	.41	.33	.34	
	Region	.44	.54	.49	.42	.46	.47	.43	.47
(ANALYSIS: F(6,9913) = 11.8**; 4, 7 < 2, 3; and 1, 5, 6 < 2)									
(b) Another adult in school (like a nurse or teacher)?	Grade Level	.55	.49	.44	.40	.40	.36	.37	
	Region	.43	.53	.43	.38	.44	.45	.40	.44
(ANALYSIS: F(6,9681) = 3.5**; 4 < 2, 6; and 1, 3, 5, 6, 7 < 2)									
(c) A counselor or program outside of school?	Grade Level	.60	.57	.54	.50	.52	.50	.51	
	Region	.52	.58	.53	.55	.54	.49	.51	.53
(ANALYSIS: F(6,9844) = 5.2**; 1, 3, 6, 7 < 2)									
(d) Your parents?	Grade Level	.79	.72	.64	.57	.57	.54	.56	
	Region	.63	.70	.62	.61	.63	.64	.62	.64
(ANALYSIS: F(6,9915) = 6.5**; 1, 3, 4, 5, 7 < 2)									
(e) A medical doctor?	Grade Level	.67	.61	.54	.48	.46	.42	.45	
	Region	.51	.61	.52	.52	.52	.48	.48	.53
(ANALYSIS: F(6,9837) = 12.2**; 1, 3, 4, 5, 6, 7 < 2)									
Since school began in September, have you gotten information about drugs or alcohol from - - -									

Table 28 - Continued

ITEMS	INDEPENDENT VARIABLE	PERCENTAGES OF "YES" RESPONSES							STATE TOTAL
		ACROSS GRADES/REGIONS:							
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	
(a) Your health class?	Grade Level	.28	.28	.21	.32	.31	.24	.14	
	Region	.29	.32	.24	.23	.32	.26	.19	.26
(ANALYSIS: F(6,9552) = 16.0**; 7 < 1, 2, 5, 6; 4 < 1, 2, 5; 3 < 2, 5; and 6 < 2)									
(b) An assembly program?	Grade Level	.30	.29	.28	.32	.30	.34	.30	
	Region	.23	.38	.20	.36	.41	.30	.30	.31
(ANALYSIS: F(6,9499) = 39.5**; 1, 3 < 2, 4, 5, 6, 7; 7 < 2, 4, 5; and 6 < 2)									
(c) Your guidance counselor?	Grade Level	.20	.19	.18	.16	.12	.12	.10	
	Region	.17	.21	.12	.11	.16	.23	.12	.16
(ANALYSIS: F(6,9480) = 23.5**; 4 < 1, 2, 5, 6; 3, 7 < 1, 2, 6; and 1, 5 < 6)									
(d) Your science class?	Grade Level	.29	.25	.19	.22	.20	.16	.09	
	Region	.23	.24	.13	.21	.25	.25	.16	.21
(ANALYSIS: F(6,9455) = 18.8**; 3, 7 < 1, 2, 4, 5, 6)									
(e) Your social studies class?	Grade Level	.15	.13	.12	.10	.09	.10	.08	
	Region	.12	.16	.08	.08	.15	.13	.08	.11
(ANALYSIS: F(6,9455) = 15.3**; 3, 7 < 1, 2, 5, 6; 4 < 2, 5, 6)									
(f) A drug program?	Grade Level	.46	.33	.25	.24	.23	.23	.16	
	Region	.24	.31	.19	.29	.34	.30	.27	.28
(ANALYSIS: F(6,9445) = 15.3**; 3, 2, 4, 5, 6, 7; 1 < 2, 5; and 7 < 5)									
(g) An invited school guest?	Grade Level	.40	.37	.28	.31	.31	.33	.31	
	Region	.32	.37	.27	.32	.41	.34	.32	.33
(ANALYSIS: F(6,9483) = 10.1**; 3 < 2, 5, 6; 4 < 2, 5; and 1, 7 < 5)									
(h) A teacher? (Grades 8-12 Only)	Grade Level	---	---	.34	.40	.38	.35	.28	
	Region	.37	.49	.25	.31	.43	.40	.27	.36
(ANALYSIS: F(6,6467) = 33.9*; 3, 7 < 1, 2, 5, 6; 4 < 2, 5, 6; and 1, 6 < 2)									
(i) Principal or Assistant Prin- cipal? (Grades 8-12 Only.)	Grade Level	---	---	.20	.18	.16	.15	.11	
	Region	.16	.29	.09	.14	.19	.19	.09	.16
(ANALYSIS: F(6,6435) = 35.2**; 3, 7 < 1, 2, 5, 6; and 1, 4, 5, 6 < 2)									

Table 28 - Continued

ITEMS	INDEPENDENT VARIABLE	PERCENTAGES OF "YES" RESPONSES							STATE TOTAL
		ACROSS GRADES/REGIONS:							
		6/1	7/2	8/3	9/4	10/5	11/6	12/7	
Since school began, have you asked your family or friends for help with any problems caused by alcohol or drugs?	Grade Level	.05	.04	.02	.02	.01	.01	.01	
	Region	.02	.03	.02	.02	.03	.02	.02	.02
		(ANALYSIS: F(6,9726) = 2.6*; 4 < 2)							
Have you ever thought about getting treatment from a hospital, treatment center, self-help help group, or counselor for an alcohol or drug related problem?	Grade Level	.06	.04	.08	.06	.05	.05	.05	
	Region	.04	.09	.05	.05	.05	.08	.04	.06
		(ANALYSIS: F(6,9790) = 8.7**; 1, 7 < 2, 6; 3, 4, 5 < 2)							
Have you ever received treatment from a hospital, treatment center, self-help group, or counselor for an alcohol or drug related problem?	Grade Level	.03	.04	.04	.03	.02	.02	.02	
	Region	.03	.04	.03	.02	.03	.03	.02	.03
		(ANALYSIS: F(6,9807) = 2.2*; (No differences observed.))							
During the past year ---I've been in a drug or alcohol treatment program.¹⁰	Grade Level	.03	.03	.04	.05	.02	.02	.02	
	Region	.02	.04	.04	.03	.03	.03	.03	.03
		(ANALYSIS: F(6,9300) = 1.1 ^{NS} ; (No differences observed.))							

¹⁰ This particular item was also described in Table 25. It is included here to help verify the consistency of responses across items (i.e., this and the preceding item are basically the same and the responses are also very similar).

Conclusions

Overall, where comparisons were possible, the available data indicate that in 1996 students in Mississippi reported lower **lifetime prevalence of drug use**, except for alcohol, than did a national sample of students. At the same time, for 6 out of the 8 drugs considered, Mississippi students reported higher **past month prevalence estimates** than did the students from across the country. These results seem to suggest that although drug use among Mississippi's school-age youth is slightly lower than the national averages, it appears to be on the rise and may approximate the national averages in the future.

Given the general context afforded by the preceding analyses, along with the purpose for the survey (i.e., **to determine what regions of the State, if any, have the most pronounced need for educational and treatment services related to the use/abuse of drugs among school-age youth**), a series of analyses describing the **prevalence of drug use (lifetime, past year, and past month)** for each of the 18 specific drugs addressed by the survey were undertaken. Basically, those analyses confirmed the trend of increased use associated with increases in age (grade level), except for substances like inhalants and steroids. At the same time, they also consistently showed that **prevalence of drug use** is generally highest in substate region 7 and lowest in region 2, with the other regions falling between those extremes and varying somewhat depending upon the specific drug under consideration. Several different types of summary analyses were undertaken in order to identify and further describe these regional-specific drug differences.

The findings observed for the various **prevalence estimates** were basically reconfirmed by the analyses of the **frequency of use** data. That is, the **frequency of drug use** in region 7 is generally the highest and **frequency of use** in region 2 is generally the lowest, with use in the other five regions falling between these extremes. A summary analysis was also undertaken in order to further describe these inter-regional variations, particularly across different types of drugs.

The results of analyses dealing with alcohol and drug-related problems reported by students generally paralleled the results found for **prevalence** and **frequency of use**. More specifically, the students in region 7 reported more problems than did the students in region 2. At the same time, the numbers of problems reported generally increased across grade levels, with older students reporting more problems than younger students.

Students' attitudes regarding the dangerousness of drug use and their perceptions of their parents' attitudes toward drug use were also studied by grade level and regions. The associated analyses generally suggest: (1) the perception of "dangerousness" increases as one moves from gateway to "hard core" drugs, and (2) the attitudes toward or perceived "dangerousness" of drugs was generally higher in regions 2 and 3 than in regions 4 and 7.

Analyses of several demographic and other background variables generally confirmed the relationships between these types of indicators and drug use among students suggested by previous research. In particular, the analyses that were conducted revealed strong, consistent relationships between prevalence **of drug use** and parents' interest in the child's schooling (as reflected in their talking about school matters), students' performance in school (as reflected in their grades), and students' involvement in school activities (as reflected in their participation in things like band, chorus, and athletics). At the same time, the use of drugs by either parents or peers was shown to be positively correlated with **prevalence of drug use**.

The data available regarding students' involvement in drug-related education, assistance, and treatment programs generally suggests (1) that older students are less involved in substances-related educational efforts and are less likely to go to/rely on adults for assistance (especially school personnel) than are younger students, and (2) the engagement in drug-related educational programs and willingness to obtain assistance from various adults, including school personnel, are higher in region 2 than in region 7 (which is the reverse trend from that found for the **prevalence and frequency of use** data.)

